

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

Supplementary Table S5
 Results from the MAD
 analyses of survival genes
 from individual experiments.

Run	Accession No	Gene Symbol	Full Gene Name	MAD_scor e	Outlier_Statu s
siRNA-Temozolomide Run3-DMSO	NM_0528 38	40057	septin 1	-1.514437	Inlier
siRNA Disorazole DMSO Run3	NM_0528 38	1-Sep	septin 1	-0.609391	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0528 38	1-Sep	septin 1	-0.493672	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0528 38	1-Sep	septin 1	-0.033499	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0528 38	1-Sep	septin 1	0.033499	Inlier
siRNA Disorazole DMSO Run1	NM_0528 38	1-Sep	septin 1	0.739609	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0528 38	1-Sep	septin 1	9.153163	Outlier
siRNA Disorazole DMSO Run2	NM_0528 38	1-Sep	septin 1	9.255507	Outlier
siRNA-Temozolomide Run3-DMSO	NM_1779 66	2p-PDE	2p-PDE	-1.407692	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1779 66	2p-PDE	2p-PDE	-0.873484	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1779 66	2p-PDE	2p-PDE	-0.475516	Inlier
siRNA Disorazole DMSO Run1	NM_1779 66	2p-PDE	2p-PDE	-0.021167	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1779 66	2p-PDE	2p-PDE	0.021167	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1779 66	2p-PDE	2p-PDE	0.361305	Inlier
siRNA Disorazole DMSO Run2	NM_1779 66	2p-PDE	2p-PDE	2.459221	Inlier
siRNA Disorazole DMSO Run3	NM_1779 66	2p-PDE	2p-PDE	3.473751	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0000 14	A2M	alpha-2-macroglobulin	-1.796232	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0000 14	A2M	alpha-2-macroglobulin	-1.433975	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0000 14	A2M	alpha-2-macroglobulin	-1.016574	Inlier
siRNA Disorazole DMSO Run1	NM_0000 14	A2M	alpha-2-macroglobulin	-0.11901	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0000 14	A2M	alpha-2- macroglob ulin	0.11901	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0000 14	A2M	alpha-2- macroglob ulin	0.321664	Inlier
siRNA Disorazole DMSO Run3	NM_0000 14	A2M	alpha-2- macroglob ulin	0.332426	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0000 14	A2M	alpha-2- macroglob ulin	1.132531	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0174 36	A4GALT	alpha 1,4- galactosylt ransferase	-1.034436	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0174 36	A4GALT	alpha 1,4- galactosylt ransferase	-0.798892	Inlier
siRNA Disorazole DMSO Run3	NM_0174 36	A4GALT	alpha 1,4- galactosylt ransferase	-0.550108	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0174 36	A4GALT	alpha 1,4- galactosylt ransferase	-0.049566	Inlier
siRNA Disorazole DMSO Run1	NM_0174 36	A4GALT	alpha 1,4- galactosylt ransferase	0.049566	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0174 36	A4GALT	alpha 1,4- galactosylt ransferase	0.479555	Inlier
siRNA Disorazole DMSO Run2	NM_0174 36	A4GALT	alpha 1,4- galactosylt ransferase	4.814224	Outlier
siRNA-Vinblastine Run1- DMSO	NM_0174 36	A4GALT	alpha 1,4- galactosylt ransferase	4.854787	Outlier
siRNA Disorazole DMSO Run1	NM_0161 61	A4GNT	alpha-1,4- N- acetylgluc osaminyltr ansferase	-1.226691	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0161 61	A4GNT	alpha-1,4-N-acetylglucosaminyltransferase	-0.6896 Inlier
siRNA Disorazole DMSO Run3	NM_0161 61	A4GNT	alpha-1,4-N-acetylglucosaminyltransferase	-0.6594 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0161 61	A4GNT	alpha-1,4-N-acetylglucosaminyltransferase	-0.058937 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0161 61	A4GNT	alpha-1,4-N-acetylglucosaminyltransferase	0.058937 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0161 61	A4GNT	alpha-1,4-N-acetylglucosaminyltransferase	0.571124 Inlier
siRNA Disorazole DMSO Run2	NM_0161 61	A4GNT	alpha-1,4-N-acetylglucosaminyltransferase	9.476703 Outlier
siRNA-Vinblastine Run1-DMSO	NM_0161 61	A4GNT	alpha-1,4-N-acetylglucosaminyltransferase	11.15173 Outlier
siRNA Disorazole DMSO Run3	NM_0239 28	AACS	acetoacetyl-CoA synthetase	-0.822067 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0239 28	AACS	acetoacetyl-CoA synthetase	-0.535106 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0239 28	AACS	acetoacetyl-CoA synthetase	-0.514802	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0239 28	AACS	acetoacetyl-CoA synthetase	-0.056808	Inlier
siRNA Disorazole DMSO Run1	NM_0239 28	AACS	acetoacetyl-CoA synthetase	0.056807	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0239 28	AACS	acetoacetyl-CoA synthetase	0.813894	Inlier
siRNA Disorazole DMSO Run2	NM_0239 28	AACS	acetoacetyl-CoA synthetase	1.70828	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0239 28	AACS	acetoacetyl-CoA synthetase	2.420473	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 86	AADAC	acetyl-CoA arylamidase (esterase)	-2.156372	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 86	AADAC	acetyl-CoA arylamidase (esterase)	-0.680457	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 86	AADAC	acetyl-CoA arylamidase (esterase)	-0.668543	Inlier
siRNA Disorazole DMSO Run1	NM_0010 86	AADAC	acetyl-CoA arylamidase (esterase)	-0.043105	Inlier
siRNA Disorazole DMSO Run3	NM_0010 86	AADAC	acetyl-CoA arylamidase (esterase)	0.043105	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_001086	AADAC	arylaceta mide deacetylas e (esterase)	0.561242	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001086	AADAC	arylaceta mide deacetylas e (esterase)	1.491183	Inlier
siRNA Disorazole DMSO Run2	NM_001086	AADAC	arylaceta mide deacetylas e (esterase)	1.580688	Inlier
siRNA-Temozolomide Run3-DMSO	NM_016228	AADAT	aminoadip ate aminotran sferase	-1.070345	Inlier
siRNA-Temozolomide Run1-DMSO	NM_016228	AADAT	aminoadip ate aminotran sferase	-0.697695	Inlier
siRNA Disorazole DMSO Run1	NM_016228	AADAT	aminoadip ate aminotran sferase	-0.146091	Inlier
siRNA-Vinblastine Run2-DMSO	NM_016228	AADAT	aminoadip ate aminotran sferase	-0.048857	Inlier
siRNA-Temozolomide Run2-DMSO	NM_016228	AADAT	aminoadip ate aminotran sferase	0.048858	Inlier
siRNA Disorazole DMSO Run3	NM_016228	AADAT	aminoadip ate aminotran sferase	0.651305	Inlier
siRNA Disorazole DMSO Run2	NM_016228	AADAT	aminoadip ate aminotran sferase	1.317106	Inlier
siRNA-Vinblastine Run1-DMSO	NM_016228	AADAT	aminoadip ate aminotran sferase	1.620814	Inlier
siRNA-Temozolomide Run3-DMSO	NM_014911	AAK1	AP2 associated kinase 1	-0.764033	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0149 11	AAK1	AP2 associated kinase 1	-0.687131	Inlier
siRNA Disorazole DMSO Run2	NM_0149 11	AAK1	AP2 associated kinase 1	-0.661869	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0149 11	AAK1	AP2 associated kinase 1	-0.212446	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0149 11	AAK1	AP2 associated kinase 1	0.212445	Inlier
siRNA Disorazole DMSO Run1	NM_0149 11	AAK1	AP2 associated kinase 1	0.397641	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0149 11	AAK1	AP2 associated kinase 1	0.850602	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0149 11	AAK1	AP2 associated kinase 1	1.087186	Inlier
siRNA Disorazole DMSO Run1	NM_0010 88	AANAT	arylalkyla mine N- acetyltrans ferase	-1.55244	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0010 88	AANAT	arylalkyla mine N- acetyltrans ferase	-0.815202	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0010 88	AANAT	arylalkyla mine N- acetyltrans ferase	-0.17608	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0010 88	AANAT	arylalkyla mine N- acetyltrans ferase	-0.071185	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0010 88	AANAT	arylalkyla mine N- acetyltrans ferase	0.071186	Inlier
siRNA Disorazole DMSO Run3	NM_0010 88	AANAT	arylalkyla mine N- acetyltrans ferase	0.533798	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0010 88	AANAT	arylalkylamine N-acetyltransferase	3.073178	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 88	AANAT	arylalkylamine N-acetyltransferase	3.262466	Inlier
siRNA Disorazole DMSO Run1	NM_0016 05	AARS	alanyl-tRNA synthetase	-2.279481	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0016 05	AARS	alanyl-tRNA synthetase	-1.031817	Inlier
siRNA Disorazole DMSO Run3	NM_0016 05	AARS	alanyl-tRNA synthetase	-0.317183	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0016 05	AARS	alanyl-tRNA synthetase	-0.115615	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0016 05	AARS	alanyl-tRNA synthetase	0.115617	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0016 05	AARS	alanyl-tRNA synthetase	0.143461	Inlier
siRNA Disorazole DMSO Run2	NM_0016 05	AARS	alanyl-tRNA synthetase	1.577842	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0016 05	AARS	alanyl-tRNA synthetase	1.884384	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0154 23	AASDHPT	aminoadipate-semialdehyde dehydrogenase-phosphoantethinyl transferase	-2.905711	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0154 23	AASDHPP T	aminoadipate-semialdehyde dehydrogenase-phosphoantetheinyl transferase	-2.016573	Inlier
siRNA Disorazole DMSO Run3	NM_0154 23	AASDHPP T	aminoadipate-semialdehyde dehydrogenase-phosphoantetheinyl transferase	-1.075854	Inlier
siRNA Disorazole DMSO Run2	NM_0154 23	AASDHPP T	aminoadipate-semialdehyde dehydrogenase-phosphoantetheinyl transferase	-0.043239	Inlier
siRNA Disorazole DMSO Run1	NM_0154 23	AASDHPP T	aminoadipate-semialdehyde dehydrogenase-phosphoantetheinyl transferase	0.043239	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_015423	AASDHPT	aminoadipate-semialdehyde dehydrogenase-phosphoantetheinyl transferase	0.279819	Inlier
siRNA-Vinblastine Run1-DMSO	NM_015423	AASDHPT	aminoadipate-semialdehyde dehydrogenase-phosphoantetheinyl transferase	0.451253	Inlier
siRNA-Vinblastine Run2-DMSO	NM_015423	AASDHPT	aminoadipate-semialdehyde dehydrogenase-phosphoantetheinyl transferase	0.897747	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005763	AASS	aminoadipate-semialdehyde synthase	-1.718837	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005763	AASS	aminoadipate-semialdehyde synthase	-1.244432	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005763	AASS	aminoadipate-semialdehyde synthase	-0.094745	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0057 63	AASS	aminoadipate-semialdehyde synthase	-0.084852	Inlier
siRNA Disorazole DMSO Run3	NM_0057 63	AASS	aminoadipate-semialdehyde synthase	0.084851	Inlier
siRNA Disorazole DMSO Run1	NM_0057 63	AASS	aminoadipate-semialdehyde synthase	0.104568	Inlier
siRNA Disorazole DMSO Run2	NM_0057 63	AASS	aminoadipate-semialdehyde synthase	1.467625	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0057 63	AASS	aminoadipate-semialdehyde synthase	2.051466	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0006 63	ABAT	4-aminobutyrate aminotransferase	-1.205153	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0006 63	ABAT	4-aminobutyrate aminotransferase	-0.640754	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0006 63	ABAT	4-aminobutyrate aminotransferase	-0.62664	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0006 63	ABAT	4-aminobutyrate aminotransferase	-0.157487	Inlier
siRNA Disorazole DMSO Run3	NM_0006 63	ABAT	4-aminobutyrate aminotransferase	0.157487	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0006 63	ABAT	4-aminobutyrate aminotransferase	0.708246	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0006 63	ABAT	4-aminobutyrate aminotransferase	1.681383	Inlier
siRNA Disorazole DMSO Run2	NM_0006 63	ABAT	4-aminobutyrate aminotransferase	1.992376	Inlier
siRNA Disorazole DMSO Run1	NM_0055 02	ABCA1	ATP-binding cassette, sub-family A (ABC1), member 1	-0.937458	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0055 02	ABCA1	ATP-binding cassette, sub-family A (ABC1), member 1	-0.775507	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0055 02	ABCA1	ATP-binding cassette, sub-family A (ABC1), member 1	-0.573493	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0055 02	ABCA1	ATP-binding cassette, sub-family A (ABC1), member 1	-0.070364	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0055 02	ABCA1	ATP-binding cassette, sub-family A (ABC1), member 1	0.070365	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0055 02	ABCA1	ATP-binding cassette, sub-family A (ABC1), member 1	0.460639	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0055 02	ABCA1	ATP-binding cassette, sub-family A (ABC1), member 1	1.010493	Inlier
siRNA Disorazole DMSO Run3	NM_0055 02	ABCA1	ATP-binding cassette, sub-family A (ABC1), member 1	1.061203	Inlier
siRNA Disorazole DMSO Run2	NM_0802 82	ABCA10	ATP-binding cassette, sub-family A (ABC1), member 10	-1.741878	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0802 82	ABCA10	ATP-binding cassette, sub-family A (ABC1), member 10	-0.776737	Inlier
siRNA Disorazole DMSO Run3	NM_0802 82	ABCA10	ATP-binding cassette, sub-family A (ABC1), member 10	-0.572263	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0802 82	ABCA10	ATP-binding cassette, sub-family A (ABC1), member 10	-0.192343	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0802 82	ABCA10	ATP-binding cassette, sub-family A (ABC1), member 10	0.192343	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Score	Category
siRNA Disorazole DMSO Run1	NM_0802 82	ABCA10	ATP-binding cassette, sub-family A (ABC1), member 10	0.298866	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0802 82	ABCA10	ATP-binding cassette, sub-family A (ABC1), member 10	1.058316	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0802 82	ABCA10	ATP-binding cassette, sub-family A (ABC1), member 10	1.655097	Inlier
siRNA Disorazole DMSO Run1	NM_0156 57	ABCA12	ATP-binding cassette, sub-family A (ABC1), member 12	-1.610418	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0156 57	ABCA12	ATP-binding cassette, sub-family A (ABC1), member 12	-0.353619	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0156 57	ABCA12	ATP-binding cassette, sub-family A (ABC1), member 12	-0.11576	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0156 57	ABCA12	ATP-binding cassette, sub-family A (ABC1), member 12	-0.020692	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Gene	Gene	Value	Category
siRNA-Temozolomide Run2-DMSO	NM_0156	57	ABCA12	ATP-binding cassette, sub-family A (ABC1), member 12	0.020691	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0156	57	ABCA12	ATP-binding cassette, sub-family A (ABC1), member 12	0.995381	Inlier
siRNA Disorazole DMSO Run3	NM_0156	57	ABCA12	ATP-binding cassette, sub-family A (ABC1), member 12	1.701635	Inlier
siRNA Disorazole DMSO Run2	NM_0156	57	ABCA12	ATP-binding cassette, sub-family A (ABC1), member 12	3.438075	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1527	01	ABCA13	ATP-binding cassette, sub-family A (ABC1), member 13	-4.662139	Outlier
siRNA Disorazole DMSO Run1	NM_1527	01	ABCA13	ATP-binding cassette, sub-family A (ABC1), member 13	-0.934013	Inlier
siRNA Disorazole DMSO Run2	NM_1527	01	ABCA13	ATP-binding cassette, sub-family A (ABC1), member 13	-0.414986	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_1527 01	ABCA13	ATP-binding cassette, sub-family A (ABC1), member 13	-0.345188	Inlier
siRNA Disorazole DMSO Run3	NM_1527 01	ABCA13	ATP-binding cassette, sub-family A (ABC1), member 13	0.345187	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1527 01	ABCA13	ATP-binding cassette, sub-family A (ABC1), member 13	0.345235	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1527 01	ABCA13	ATP-binding cassette, sub-family A (ABC1), member 13	1.333423	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1527 01	ABCA13	ATP-binding cassette, sub-family A (ABC1), member 13	1.736304	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0016 06	ABCA2	ATP-binding cassette, sub-family A (ABC1), member 2	-2.335602	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0016 06	ABCA2	ATP-binding cassette, sub-family A (ABC1), member 2	-2.067493	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_001606	ABCA2	ATP-binding cassette, sub-family A (ABC1), member 2	-0.445503	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001606	ABCA2	ATP-binding cassette, sub-family A (ABC1), member 2	-0.145308	Inlier
siRNA Disorazole DMSO Run3	NM_001606	ABCA2	ATP-binding cassette, sub-family A (ABC1), member 2	0.145308	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001606	ABCA2	ATP-binding cassette, sub-family A (ABC1), member 2	0.353487	Inlier
siRNA Disorazole DMSO Run2	NM_001606	ABCA2	ATP-binding cassette, sub-family A (ABC1), member 2	0.903497	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001606	ABCA2	ATP-binding cassette, sub-family A (ABC1), member 2	1.442738	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001089	ABCA3	ATP-binding cassette, sub-family A (ABC1), member 3	-4.262306	Outlier
siRNA-Temozolomide Run2-DMSO	NM_001089	ABCA3	ATP-binding cassette, sub-family A (ABC1), member 3	-0.541541	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0010 89	ABCA3	ATP-binding cassette, sub-family A (ABC1), member 3	-0.536668	Inlier
siRNA Disorazole DMSO Run2	NM_0010 89	ABCA3	ATP-binding cassette, sub-family A (ABC1), member 3	-0.183526	Inlier
siRNA Disorazole DMSO Run1	NM_0010 89	ABCA3	ATP-binding cassette, sub-family A (ABC1), member 3	0.183527	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 89	ABCA3	ATP-binding cassette, sub-family A (ABC1), member 3	0.807459	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 89	ABCA3	ATP-binding cassette, sub-family A (ABC1), member 3	1.80248	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 89	ABCA3	ATP-binding cassette, sub-family A (ABC1), member 3	2.151844	Inlier
siRNA Disorazole DMSO Run1	NM_0003 50	ABCA4	ATP-binding cassette, sub-family A (ABC1), member 4	-0.868454	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0003 50	ABCA4	ATP-binding cassette, sub-family A (ABC1), member 4	-0.753412	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Family	Gene Description	Log2 Fold Change	Outlier Status
siRNA-Temozolomide Run2-DMSO	ABCA4	NM_000350	ABCA4	ATP-binding cassette, sub-family A (ABC1), member 4	-0.595588	Inlier
siRNA-Temozolomide Run1-DMSO	ABCA4	NM_000350	ABCA4	ATP-binding cassette, sub-family A (ABC1), member 4	-0.045319	Inlier
siRNA-Vinblastine Run2-DMSO	ABCA4	NM_000350	ABCA4	ATP-binding cassette, sub-family A (ABC1), member 4	0.045319	Inlier
siRNA Disorazole DMSO Run3	ABCA4	NM_000350	ABCA4	ATP-binding cassette, sub-family A (ABC1), member 4	0.473426	Inlier
siRNA Disorazole DMSO Run2	ABCA4	NM_000350	ABCA4	ATP-binding cassette, sub-family A (ABC1), member 4	0.986811	Inlier
siRNA-Vinblastine Run1-DMSO	ABCA4	NM_000350	ABCA4	ATP-binding cassette, sub-family A (ABC1), member 4	1.163471	Inlier
siRNA Disorazole DMSO Run1	ABCA5	NM_172232	ABCA5	ATP-binding cassette, sub-family A (ABC1), member 5	-1.831691	Inlier
siRNA-Temozolomide Run3-DMSO	ABCA5	NM_172232	ABCA5	ATP-binding cassette, sub-family A (ABC1), member 5	-1.03702	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Gene Name	Gene Description	Log Fold Change	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_1722	32	ABCA5	ATP-binding cassette, sub-family A (ABC1), member 5	-0.750863	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1722	32	ABCA5	ATP-binding cassette, sub-family A (ABC1), member 5	-0.11662	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1722	32	ABCA5	ATP-binding cassette, sub-family A (ABC1), member 5	0.11662	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1722	32	ABCA5	ATP-binding cassette, sub-family A (ABC1), member 5	0.182883	Inlier
siRNA Disorazole DMSO Run3	NM_1722	32	ABCA5	ATP-binding cassette, sub-family A (ABC1), member 5	0.598137	Inlier
siRNA Disorazole DMSO Run2	NM_1722	32	ABCA5	ATP-binding cassette, sub-family A (ABC1), member 5	3.045029	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1723	46	ABCA6	ATP-binding cassette, sub-family A (ABC1), member 6	-3.449221	Inlier
siRNA Disorazole DMSO Run1	NM_1723	46	ABCA6	ATP-binding cassette, sub-family A (ABC1), member 6	-1.279637	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log2 Fold Change	Classification
siRNA-Temozolomide Run2-DMSO	NM_172346	ABCA6	ATP-binding cassette, sub-family A (ABC1), member 6	-1.132167	Inlier
siRNA Disorazole DMSO Run2	NM_172346	ABCA6	ATP-binding cassette, sub-family A (ABC1), member 6	-0.333968	Inlier
siRNA-Temozolomide Run1-DMSO	NM_172346	ABCA6	ATP-binding cassette, sub-family A (ABC1), member 6	0.333969	Inlier
siRNA-Vinblastine Run2-DMSO	NM_172346	ABCA6	ATP-binding cassette, sub-family A (ABC1), member 6	0.616534	Inlier
siRNA Disorazole DMSO Run3	NM_172346	ABCA6	ATP-binding cassette, sub-family A (ABC1), member 6	0.619087	Inlier
siRNA-Vinblastine Run1-DMSO	NM_172346	ABCA6	ATP-binding cassette, sub-family A (ABC1), member 6	0.729913	Inlier
siRNA-Temozolomide Run3-DMSO	NM_019112	ABCA7	ATP-binding cassette, sub-family A (ABC1), member 7	-3.614461	Outlier
siRNA Disorazole DMSO Run1	NM_019112	ABCA7	ATP-binding cassette, sub-family A (ABC1), member 7	-1.512483	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0191 12	ABCA7	ATP-binding cassette, sub-family A (ABC1), member 7	-1.036924	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0191 12	ABCA7	ATP-binding cassette, sub-family A (ABC1), member 7	-0.051262	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0191 12	ABCA7	ATP-binding cassette, sub-family A (ABC1), member 7	0.051263	Inlier
siRNA Disorazole DMSO Run3	NM_0191 12	ABCA7	ATP-binding cassette, sub-family A (ABC1), member 7	0.210968	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0191 12	ABCA7	ATP-binding cassette, sub-family A (ABC1), member 7	0.312076	Inlier
siRNA Disorazole DMSO Run2	NM_0191 12	ABCA7	ATP-binding cassette, sub-family A (ABC1), member 7	5.362711	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0071 68	ABCA8	ATP-binding cassette, sub-family A (ABC1), member 8	-1.811717	Inlier
siRNA Disorazole DMSO Run2	NM_0071 68	ABCA8	ATP-binding cassette, sub-family A (ABC1), member 8	-0.971587	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log Fold Change	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_007168	ABCA8	ATP-binding cassette, sub-family A (ABC1), member 8	-0.812343	Inlier
siRNA Disorazole DMSO Run1	NM_007168	ABCA8	ATP-binding cassette, sub-family A (ABC1), member 8	-0.017169	Inlier
siRNA-Temozolomide Run1-DMSO	NM_007168	ABCA8	ATP-binding cassette, sub-family A (ABC1), member 8	0.017169	Inlier
siRNA Disorazole DMSO Run3	NM_007168	ABCA8	ATP-binding cassette, sub-family A (ABC1), member 8	0.279541	Inlier
siRNA-Vinblastine Run1-DMSO	NM_007168	ABCA8	ATP-binding cassette, sub-family A (ABC1), member 8	0.654659	Inlier
siRNA-Vinblastine Run2-DMSO	NM_007168	ABCA8	ATP-binding cassette, sub-family A (ABC1), member 8	0.694341	Inlier
siRNA-Temozolomide Run3-DMSO	NM_080283	ABCA9	ATP-binding cassette, sub-family A (ABC1), member 9	-1.264677	Inlier
siRNA Disorazole DMSO Run1	NM_080283	ABCA9	ATP-binding cassette, sub-family A (ABC1), member 9	-1.006405	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Gene Name	Gene Description	Log2 Fold Change	Category
siRNA-Temozolomide Run2-DMSO	NM_080283	ABCA9	ATP-binding cassette, sub-family A (ABC1), member 9	-0.501987	Inlier	
siRNA Disorazole DMSO Run2	NM_080283	ABCA9	ATP-binding cassette, sub-family A (ABC1), member 9	-0.1935	Inlier	
siRNA-Vinblastine Run1-DMSO	NM_080283	ABCA9	ATP-binding cassette, sub-family A (ABC1), member 9	0.1935	Inlier	
siRNA-Temozolomide Run1-DMSO	NM_080283	ABCA9	ATP-binding cassette, sub-family A (ABC1), member 9	0.601814	Inlier	
siRNA-Vinblastine Run2-DMSO	NM_080283	ABCA9	ATP-binding cassette, sub-family A (ABC1), member 9	0.747186	Inlier	
siRNA Disorazole DMSO Run3	NM_080283	ABCA9	ATP-binding cassette, sub-family A (ABC1), member 9	1.915185	Inlier	
siRNA-Temozolomide Run3-DMSO	NM_000927	ABCB1	ATP-binding cassette, sub-family B (MDR/TAP), member 1	-3.531826	Outlier	
siRNA-Temozolomide Run2-DMSO	NM_000927	ABCB1	ATP-binding cassette, sub-family B (MDR/TAP), member 1	-2.304445	Inlier	

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Gene	Value	Category
siRNA Disorazole DMSO Run1	ABCB1	NM_000927	ATP-binding cassette, sub-family B (MDR/TAP), member 1	-0.668261	Inlier
siRNA Disorazole DMSO Run3	ABCB1	NM_000927	ATP-binding cassette, sub-family B (MDR/TAP), member 1	-0.320987	Inlier
siRNA-Temozolomide Run1-DMSO	ABCB1	NM_000927	ATP-binding cassette, sub-family B (MDR/TAP), member 1	0.320987	Inlier
siRNA-Vinblastine Run1-DMSO	ABCB1	NM_000927	ATP-binding cassette, sub-family B (MDR/TAP), member 1	0.430849	Inlier
siRNA-Vinblastine Run2-DMSO	ABCB1	NM_000927	ATP-binding cassette, sub-family B (MDR/TAP), member 1	0.680739	Inlier
siRNA Disorazole DMSO Run2	ABCB1	NM_000927	ATP-binding cassette, sub-family B (MDR/TAP), member 1	1.265689	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0120 89	ABCB10	ATP-binding cassette, sub-family B (MDR/TAP), member 10	-1.235346	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0120 89	ABCB10	ATP-binding cassette, sub-family B (MDR/TAP), member 10	-0.903021	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0120 89	ABCB10	ATP-binding cassette, sub-family B (MDR/TAP), member 10	-0.178882	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0120 89	ABCB10	ATP-binding cassette, sub-family B (MDR/TAP), member 10	-0.122764	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0120 89	ABCB10	ATP-binding cassette, sub-family B (MDR/TAP), member 10	0.122764	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0120 89	ABCB10	ATP-binding cassette, sub-family B (MDR/TAP), member 10	0.445979	Inlier
siRNA Disorazole DMSO Run3	NM_0120 89	ABCB10	ATP-binding cassette, sub-family B (MDR/TAP), member 10	1.977985	Inlier
siRNA Disorazole DMSO Run2	NM_0120 89	ABCB10	ATP-binding cassette, sub-family B (MDR/TAP), member 10	2.33704	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0037 42	ABCB11	ATP-binding cassette, sub-family B (MDR/TAP), member 11	-2.478994	Inlier
siRNA Disorazole DMSO Run3	NM_0037 42	ABCB11	ATP-binding cassette, sub-family B (MDR/TAP), member 11	-1.119502	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0037 42	ABCB11	ATP-binding cassette, sub-family B (MDR/TAP), member 11	11	-0.134644	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0037 42	ABCB11	ATP-binding cassette, sub-family B (MDR/TAP), member 11	11	-0.045493	Inlier
siRNA Disorazole DMSO Run1	NM_0037 42	ABCB11	ATP-binding cassette, sub-family B (MDR/TAP), member 11	11	0.045493	Inlier
siRNA Disorazole DMSO Run2	NM_0037 42	ABCB11	ATP-binding cassette, sub-family B (MDR/TAP), member 11	11	0.524542	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0037 42	ABCB11	ATP-binding cassette, sub-family B (MDR/TAP), member 11	11	0.824458	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0037 42	ABCB11	ATP-binding cassette, sub-family B (MDR/TAP), member 11	1.262336	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0188 49	ABCB4	ATP-binding cassette, sub-family B (MDR/TAP), member 4	-2.654897	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0188 49	ABCB4	ATP-binding cassette, sub-family B (MDR/TAP), member 4	-0.976735	Inlier
siRNA Disorazole DMSO Run1	NM_0188 49	ABCB4	ATP-binding cassette, sub-family B (MDR/TAP), member 4	-0.599518	Inlier
siRNA Disorazole DMSO Run2	NM_0188 49	ABCB4	ATP-binding cassette, sub-family B (MDR/TAP), member 4	-0.04995	Inlier
siRNA Disorazole DMSO Run3	NM_0188 49	ABCB4	ATP-binding cassette, sub-family B (MDR/TAP), member 4	0.04995	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0188 49	ABCB4	ATP-binding cassette, sub-family B (MDR/TAP), member 4	0.552545	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0188 49	ABCB4	ATP-binding cassette, sub-family B (MDR/TAP), member 4	0.749482	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0188 49	ABCB4	ATP-binding cassette, sub-family B (MDR/TAP), member 4	0.993174	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1785 59	ABCB5	ATP-binding cassette, sub-family B (MDR/TAP), member 5	-2.382422	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1785 59	ABCB5	ATP-binding cassette, sub-family B (MDR/TAP), member 5	-0.63726	Inlier
siRNA Disorazole DMSO Run1	NM_1785 59	ABCB5	ATP-binding cassette, sub-family B (MDR/TAP), member 5	-0.512502	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Gene Symbol	Gene Description	Log Fold Change	Outlier Status
siRNA Disorazole DMSO Run1	ABCB6	NM_005689	ABCB6	ATP-binding cassette, sub-family B (MDR/TAP), member 6	-0.697412	Inlier
siRNA-Temozolomide Run2-DMSO	ABCB6	NM_005689	ABCB6	ATP-binding cassette, sub-family B (MDR/TAP), member 6	-0.651588	Inlier
siRNA-Vinblastine Run2-DMSO	ABCB6	NM_005689	ABCB6	ATP-binding cassette, sub-family B (MDR/TAP), member 6	-0.107337	Inlier
siRNA Disorazole DMSO Run2	ABCB6	NM_005689	ABCB6	ATP-binding cassette, sub-family B (MDR/TAP), member 6	0.107337	Inlier
siRNA-Temozolomide Run1-DMSO	ABCB6	NM_005689	ABCB6	ATP-binding cassette, sub-family B (MDR/TAP), member 6	0.600808	Inlier
siRNA-Vinblastine Run1-DMSO	ABCB6	NM_005689	ABCB6	ATP-binding cassette, sub-family B (MDR/TAP), member 6	0.884344	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0056 89	ABCB6	6	0.99728	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0042 99	ABCB7	7	-0.984968	Inlier
siRNA Disorazole DMSO Run2	NM_0042 99	ABCB7	7	-0.744306	Inlier
siRNA Disorazole DMSO Run3	NM_0042 99	ABCB7	7	-0.604694	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0042 99	ABCB7	7	-0.050292	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0042 99	ABCB7	7	0.050292	Inlier

ATP-binding cassette, sub-family B (MDR/TAP), member 6
ATP-binding cassette, sub-family B (MDR/TAP), member 7
ATP-binding cassette, sub-family B (MDR/TAP), member 7
ATP-binding cassette, sub-family B (MDR/TAP), member 7
ATP-binding cassette, sub-family B (MDR/TAP), member 7
ATP-binding cassette, sub-family B (MDR/TAP), member 7

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Family	Score	Category
siRNA Disorazole DMSO Run1	ABCB7	NM_004299	ATP-binding cassette, sub-family B (MDR/TAP), member 7	0.323209	Inlier
siRNA-Vinblastine Run1-DMSO	ABCB7	NM_004299	ATP-binding cassette, sub-family B (MDR/TAP), member 7	1.154718	Inlier
siRNA-Vinblastine Run2-DMSO	ABCB7	NM_004299	ATP-binding cassette, sub-family B (MDR/TAP), member 7	1.209854	Inlier
siRNA-Temozolomide Run3-DMSO	ABCB8	NM_007188	ATP-binding cassette, sub-family B (MDR/TAP), member 8	-4.544803	Outlier
siRNA Disorazole DMSO Run1	ABCB8	NM_007188	ATP-binding cassette, sub-family B (MDR/TAP), member 8	-2.147145	Inlier
siRNA-Temozolomide Run2-DMSO	ABCB8	NM_007188	ATP-binding cassette, sub-family B (MDR/TAP), member 8	-1.199622	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0071 88	ABCB8	ATP-binding cassette, sub-family B (MDR/TAP), member 8	-0.04602	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0071 88	ABCB8	ATP-binding cassette, sub-family B (MDR/TAP), member 8	0.04602	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0071 88	ABCB8	ATP-binding cassette, sub-family B (MDR/TAP), member 8	0.301649	Inlier
siRNA Disorazole DMSO Run3	NM_0071 88	ABCB8	ATP-binding cassette, sub-family B (MDR/TAP), member 8	0.628259	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0071 88	ABCB8	ATP-binding cassette, sub-family B (MDR/TAP), member 8	0.720741	Inlier
siRNA-Temozolomide Run3-DMSO	NM_2034 44	ABCB9	ATP-binding cassette, sub-family B (MDR/TAP), member 9	-3.190017	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Run	Gene	Gene Description	Value	Inlier
siRNA-Temozolomide DMSO	Run2-44	ABCB9	ATP-binding cassette, sub-family B (MDR/TAP), member 9	-0.869777	Inlier
siRNA Disorazole DMSO	Run1-44	ABCB9	ATP-binding cassette, sub-family B (MDR/TAP), member 9	-0.608804	Inlier
siRNA Disorazole DMSO	Run2-44	ABCB9	ATP-binding cassette, sub-family B (MDR/TAP), member 9	-0.070914	Inlier
siRNA-Vinblastine DMSO	Run2-44	ABCB9	ATP-binding cassette, sub-family B (MDR/TAP), member 9	0.070914	Inlier
siRNA Disorazole DMSO	Run3-44	ABCB9	ATP-binding cassette, sub-family B (MDR/TAP), member 9	0.246709	Inlier
siRNA-Temozolomide DMSO	Run1-44	ABCB9	ATP-binding cassette, sub-family B (MDR/TAP), member 9	0.740196	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_2034 44	ABCB9	ATP-binding cassette, sub-family B (MDR/TAP), member 9	0.757659	Inlier
siRNA Disorazole DMSO Run2	NM_0199 02	ABCC1	ATP-binding cassette, sub-family C (CFTR/MRP), member 1	-1.939387	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0199 02	ABCC1	ATP-binding cassette, sub-family C (CFTR/MRP), member 1	-1.822875	Inlier
siRNA Disorazole DMSO Run1	NM_0199 02	ABCC1	ATP-binding cassette, sub-family C (CFTR/MRP), member 1	-0.501193	Inlier
siRNA Disorazole DMSO Run3	NM_0199 02	ABCC1	ATP-binding cassette, sub-family C (CFTR/MRP), member 1	-0.111145	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0199 02	ABCC1	ATP-binding cassette, sub-family C (CFTR/MRP), member 1	0.111145	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Score	Category
siRNA-Temozolomide Run1-DMSO	NM_019902	ABCC1	ATP-binding cassette, sub-family C (CFTR/MRP), member 1	0.609261	Inlier
siRNA-Vinblastine Run1-DMSO	NM_019902	ABCC1	ATP-binding cassette, sub-family C (CFTR/MRP), member 1	0.739739	Inlier
siRNA-Vinblastine Run2-DMSO	NM_019902	ABCC1	ATP-binding cassette, sub-family C (CFTR/MRP), member 1	0.913537	Inlier
siRNA Disorazole DMSO Run2	NM_033450	ABCC10	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	-0.893798	Inlier
siRNA-Vinblastine Run2-DMSO	NM_033450	ABCC10	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	-0.743238	Inlier
siRNA Disorazole DMSO Run1	NM_033450	ABCC10	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	-0.591799	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Accession	Value	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_033450	ABCC10	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	-0.501299	Inlier
siRNA-Temozolomide Run2-DMSO	NM_033450	ABCC10	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	0.501298	Inlier
siRNA-Vinblastine Run1-DMSO	NM_033450	ABCC10	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	0.605762	Inlier
siRNA Disorazole DMSO Run3	NM_033450	ABCC10	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	0.980993	Inlier
siRNA-Temozolomide Run1-DMSO	NM_033450	ABCC10	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	1.340873	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Symbol	Gene Description	Log Fold Change	Outlier Status
siRNA Disorazole DMSO Run1	NM_145186	ABCC11	11	ATP-binding cassette, sub-family C (CFTR/MRP), member	-1.198213	Inlier
siRNA-Temozolomide Run3-DMSO	NM_145186	ABCC11	11	ATP-binding cassette, sub-family C (CFTR/MRP), member	-0.807929	Inlier
siRNA-Temozolomide Run2-DMSO	NM_145186	ABCC11	11	ATP-binding cassette, sub-family C (CFTR/MRP), member	-0.541071	Inlier
siRNA-Temozolomide Run1-DMSO	NM_145186	ABCC11	11	ATP-binding cassette, sub-family C (CFTR/MRP), member	-0.405022	Inlier
siRNA-Vinblastine Run2-DMSO	NM_145186	ABCC11	11	ATP-binding cassette, sub-family C (CFTR/MRP), member	0.405021	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_1451 86	ABCC11	11	0.479367	Inlier
siRNA Disorazole DMSO Run2	NM_1451 86	ABCC11	11	0.89066	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1451 86	ABCC11	11	1.146583	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1451 89	ABCC12	12	-1.193742	Inlier
siRNA Disorazole DMSO Run2	NM_1451 89	ABCC12	12	-0.697456	Inlier

ATP-binding cassette, sub-family C (CFTR/MRP), member 11

ATP-binding cassette, sub-family C (CFTR/MRP), member 11

ATP-binding cassette, sub-family C (CFTR/MRP), member 11

ATP-binding cassette, sub-family C (CFTR/MRP), member 12

ATP-binding cassette, sub-family C (CFTR/MRP), member 12

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Score	Category
siRNA-Temozolomide Run2-DMSO	NM_145189	ABCC12	ATP-binding cassette, sub-family C (CFTR/MRP), member 12	-0.363939	Inlier
siRNA Disorazole DMSO Run3	NM_145189	ABCC12	ATP-binding cassette, sub-family C (CFTR/MRP), member 12	-0.090227	Inlier
siRNA Disorazole DMSO Run1	NM_145189	ABCC12	ATP-binding cassette, sub-family C (CFTR/MRP), member 12	0.090227	Inlier
siRNA-Temozolomide Run1-DMSO	NM_145189	ABCC12	ATP-binding cassette, sub-family C (CFTR/MRP), member 12	0.651544	Inlier
siRNA-Vinblastine Run2-DMSO	NM_145189	ABCC12	ATP-binding cassette, sub-family C (CFTR/MRP), member 12	0.823534	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Score	Outlier Type
siRNA-Vinblastine Run1-DMSO	NM_145189	ABCC12	ATP-binding cassette, sub-family C (CFTR/MRP), member 12	0.907505	Inlier
siRNA-Temozolomide Run3-DMSO	NM_172025	ABCC13	ATP-binding cassette, sub-family C (CFTR/MRP), member 13	-0.99232	Inlier
siRNA-Temozolomide Run2-DMSO	NM_172025	ABCC13	ATP-binding cassette, sub-family C (CFTR/MRP), member 13	-0.615561	Inlier
siRNA Disorazole DMSO Run2	NM_172025	ABCC13	ATP-binding cassette, sub-family C (CFTR/MRP), member 13	-0.413288	Inlier
siRNA Disorazole DMSO Run3	NM_172025	ABCC13	ATP-binding cassette, sub-family C (CFTR/MRP), member 13	-0.259218	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_1720 25	ABCC13	ATP-binding cassette, sub-family C (CFTR/MRP), member 13	0.259218	Inlier
siRNA Disorazole DMSO Run1	NM_1720 25	ABCC13	ATP-binding cassette, sub-family C (CFTR/MRP), member 13	0.733439	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1720 25	ABCC13	ATP-binding cassette, sub-family C (CFTR/MRP), member 13	2.441924	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1720 25	ABCC13	ATP-binding cassette, sub-family C (CFTR/MRP), member 13	2.606645	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0003 92	ABCC2	ATP-binding cassette, sub-family C (CFTR/MRP), member 2	-3.152769	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0003 92	ABCC2	ATP-binding cassette, sub-family C (CFTR/MRP), member 2	-2.684159	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_000392	ABCC2	ATP-binding cassette, sub-family C (CFTR/MRP), member 2	-0.806045	Inlier
siRNA Disorazole DMSO Run1	NM_000392	ABCC2	ATP-binding cassette, sub-family C (CFTR/MRP), member 2	-0.207217	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000392	ABCC2	ATP-binding cassette, sub-family C (CFTR/MRP), member 2	0.207218	Inlier
siRNA Disorazole DMSO Run3	NM_000392	ABCC2	ATP-binding cassette, sub-family C (CFTR/MRP), member 2	0.291276	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000392	ABCC2	ATP-binding cassette, sub-family C (CFTR/MRP), member 2	0.542955	Inlier
siRNA Disorazole DMSO Run2	NM_000392	ABCC2	ATP-binding cassette, sub-family C (CFTR/MRP), member 2	2.369627	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log Fold Change	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_020038	ABCC3	ATP-binding cassette, sub-family C (CFTR/MRP), member 3	-1.951411	Inlier
siRNA Disorazole DMSO Run1	NM_020038	ABCC3	ATP-binding cassette, sub-family C (CFTR/MRP), member 3	-0.843405	Inlier
siRNA-Vinblastine Run2-DMSO	NM_020038	ABCC3	ATP-binding cassette, sub-family C (CFTR/MRP), member 3	-0.505595	Inlier
siRNA-Temozolomide Run2-DMSO	NM_020038	ABCC3	ATP-binding cassette, sub-family C (CFTR/MRP), member 3	-0.022682	Inlier
siRNA-Vinblastine Run1-DMSO	NM_020038	ABCC3	ATP-binding cassette, sub-family C (CFTR/MRP), member 3	0.02268	Inlier
siRNA-Temozolomide Run1-DMSO	NM_020038	ABCC3	ATP-binding cassette, sub-family C (CFTR/MRP), member 3	0.377797	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0200 38	ABCC3	ATP-binding cassette, sub-family C (CFTR/MRP), member 3	1.411129	Inlier
siRNA Disorazole DMSO Run3	NM_0200 38	ABCC3	ATP-binding cassette, sub-family C (CFTR/MRP), member 3	1.605597	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0058 45	ABCC4	ATP-binding cassette, sub-family C (CFTR/MRP), member 4	-3.091406	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0058 45	ABCC4	ATP-binding cassette, sub-family C (CFTR/MRP), member 4	-2.292447	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0058 45	ABCC4	ATP-binding cassette, sub-family C (CFTR/MRP), member 4	-0.710369	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0058 45	ABCC4	ATP-binding cassette, sub-family C (CFTR/MRP), member 4	-0.015198	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0058 45	ABCC4	ATP-binding cassette, sub-family C (CFTR/MRP), member 4	0.015197	Inlier
siRNA Disorazole DMSO Run3	NM_0058 45	ABCC4	ATP-binding cassette, sub-family C (CFTR/MRP), member 4	0.520667	Inlier
siRNA Disorazole DMSO Run1	NM_0058 45	ABCC4	ATP-binding cassette, sub-family C (CFTR/MRP), member 4	0.638631	Inlier
siRNA Disorazole DMSO Run2	NM_0058 45	ABCC4	ATP-binding cassette, sub-family C (CFTR/MRP), member 4	1.065206	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0056 88	ABCC5	ATP-binding cassette, sub-family C (CFTR/MRP), member 5	-2.251107	Inlier
siRNA Disorazole DMSO Run1	NM_0056 88	ABCC5	ATP-binding cassette, sub-family C (CFTR/MRP), member 5	-2.226394	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_005688	ABCC5	ATP-binding cassette, sub-family C (CFTR/MRP), member 5	-0.633084	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005688	ABCC5	ATP-binding cassette, sub-family C (CFTR/MRP), member 5	-0.183381	Inlier
siRNA Disorazole DMSO Run3	NM_005688	ABCC5	ATP-binding cassette, sub-family C (CFTR/MRP), member 5	0.183381	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005688	ABCC5	ATP-binding cassette, sub-family C (CFTR/MRP), member 5	0.224615	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005688	ABCC5	ATP-binding cassette, sub-family C (CFTR/MRP), member 5	0.715916	Inlier
siRNA Disorazole DMSO Run2	NM_005688	ABCC5	ATP-binding cassette, sub-family C (CFTR/MRP), member 5	0.930529	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_001171	ABCC6	ATP-binding cassette, sub-family C (CFTR/MRP), member 6	-3.016951	Inlier
siRNA Disorazole DMSO Run3	NM_001171	ABCC6	ATP-binding cassette, sub-family C (CFTR/MRP), member 6	-1.760684	Inlier
siRNA Disorazole DMSO Run2	NM_001171	ABCC6	ATP-binding cassette, sub-family C (CFTR/MRP), member 6	-1.224834	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001171	ABCC6	ATP-binding cassette, sub-family C (CFTR/MRP), member 6	-0.306258	Inlier
siRNA Disorazole DMSO Run1	NM_001171	ABCC6	ATP-binding cassette, sub-family C (CFTR/MRP), member 6	0.306258	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001171	ABCC6	ATP-binding cassette, sub-family C (CFTR/MRP), member 6	0.359106	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_001171	ABCC6	ATP-binding cassette, sub-family C (CFTR/MRP), member 6	0.600549	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001171	ABCC6	ATP-binding cassette, sub-family C (CFTR/MRP), member 6	0.748451	Inlier
siRNA Disorazole DMSO Run2	NM_000352	ABCC8	ATP-binding cassette, sub-family C (CFTR/MRP), member 8	-1.207068	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000352	ABCC8	ATP-binding cassette, sub-family C (CFTR/MRP), member 8	-0.939251	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000352	ABCC8	ATP-binding cassette, sub-family C (CFTR/MRP), member 8	-0.711663	Inlier
siRNA Disorazole DMSO Run3	NM_000352	ABCC8	ATP-binding cassette, sub-family C (CFTR/MRP), member 8	-0.498383	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_000352	ABCC8	ATP-binding cassette, sub-family C (CFTR/MRP), member 8	0.498383	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000352	ABCC8	ATP-binding cassette, sub-family C (CFTR/MRP), member 8	0.633201	Inlier
siRNA Disorazole DMSO Run1	NM_000352	ABCC8	ATP-binding cassette, sub-family C (CFTR/MRP), member 8	0.672018	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000352	ABCC8	ATP-binding cassette, sub-family C (CFTR/MRP), member 8	0.676982	Inlier
siRNA-Temozolomide Run3-DMSO	NM_020298	ABCC9	ATP-binding cassette, sub-family C (CFTR/MRP), member 9	-0.856896	Inlier
siRNA-Temozolomide Run2-DMSO	NM_020298	ABCC9	ATP-binding cassette, sub-family C (CFTR/MRP), member 9	-0.718493	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0202 98	ABCC9	ATP-binding cassette, sub-family C (CFTR/MRP), member 9	-0.630507	Inlier
siRNA Disorazole DMSO Run3	NM_0202 98	ABCC9	ATP-binding cassette, sub-family C (CFTR/MRP), member 9	-0.280858	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0202 98	ABCC9	ATP-binding cassette, sub-family C (CFTR/MRP), member 9	0.280858	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0202 98	ABCC9	ATP-binding cassette, sub-family C (CFTR/MRP), member 9	0.512131	Inlier
siRNA Disorazole DMSO Run1	NM_0202 98	ABCC9	ATP-binding cassette, sub-family C (CFTR/MRP), member 9	0.755356	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0202 98	ABCC9	ATP-binding cassette, sub-family C (CFTR/MRP), member 9	0.910684	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_000033	ABCD1	ATP-binding cassette, sub-family D (ALD), member 1	-1.706583	Inlier
siRNA Disorazole DMSO Run2	NM_000033	ABCD1	ATP-binding cassette, sub-family D (ALD), member 1	-1.293813	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000033	ABCD1	ATP-binding cassette, sub-family D (ALD), member 1	-0.802935	Inlier
siRNA Disorazole DMSO Run3	NM_000033	ABCD1	ATP-binding cassette, sub-family D (ALD), member 1	-0.368126	Inlier
siRNA Disorazole DMSO Run1	NM_000033	ABCD1	ATP-binding cassette, sub-family D (ALD), member 1	0.368126	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000033	ABCD1	ATP-binding cassette, sub-family D (ALD), member 1	0.424313	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000033	ABCD1	ATP-binding cassette, sub-family D (ALD), member 1	0.546065	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000033	ABCD1	ATP-binding cassette, sub-family D (ALD), member 1	1.494031	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0051 64	ABCD2	ATP-binding cassette, sub-family D (ALD), member 2	-1.023715	Inlier
siRNA Disorazole DMSO Run3	NM_0051 64	ABCD2	ATP-binding cassette, sub-family D (ALD), member 2	-0.929657	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0051 64	ABCD2	ATP-binding cassette, sub-family D (ALD), member 2	-0.809029	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0051 64	ABCD2	ATP-binding cassette, sub-family D (ALD), member 2	-0.119979	Inlier
siRNA Disorazole DMSO Run1	NM_0051 64	ABCD2	ATP-binding cassette, sub-family D (ALD), member 2	0.119979	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0051 64	ABCD2	ATP-binding cassette, sub-family D (ALD), member 2	0.445799	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0051 64	ABCD2	ATP-binding cassette, sub-family D (ALD), member 2	0.539971	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0051 64	ABCD2	ATP-binding cassette, sub-family D (ALD), member 2	0.839666	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log Fold Change	Outlier Status
siRNA Disorazole DMSO Run3	NM_002858	ABCD3	ATP-binding cassette, sub-family D (ALD), member 3	-1.29184	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002858	ABCD3	ATP-binding cassette, sub-family D (ALD), member 3	-0.825863	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002858	ABCD3	ATP-binding cassette, sub-family D (ALD), member 3	-0.77721	Inlier
siRNA Disorazole DMSO Run1	NM_002858	ABCD3	ATP-binding cassette, sub-family D (ALD), member 3	-0.100211	Inlier
siRNA Disorazole DMSO Run2	NM_002858	ABCD3	ATP-binding cassette, sub-family D (ALD), member 3	0.10021	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002858	ABCD3	ATP-binding cassette, sub-family D (ALD), member 3	0.448818	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002858	ABCD3	ATP-binding cassette, sub-family D (ALD), member 3	0.57179	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002858	ABCD3	ATP-binding cassette, sub-family D (ALD), member 3	0.980868	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0203 25	ABCD4	ATP-binding cassette, sub-family D (ALD), member 4	-1.312887	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0203 25	ABCD4	ATP-binding cassette, sub-family D (ALD), member 4	-0.857732	Inlier
siRNA Disorazole DMSO Run1	NM_0203 25	ABCD4	ATP-binding cassette, sub-family D (ALD), member 4	-0.743763	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0203 25	ABCD4	ATP-binding cassette, sub-family D (ALD), member 4	-0.268423	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0203 25	ABCD4	ATP-binding cassette, sub-family D (ALD), member 4	0.268422	Inlier
siRNA Disorazole DMSO Run3	NM_0203 25	ABCD4	ATP-binding cassette, sub-family D (ALD), member 4	0.505365	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0203 25	ABCD4	ATP-binding cassette, sub-family D (ALD), member 4	0.605237	Inlier
siRNA Disorazole DMSO Run2	NM_0203 25	ABCD4	ATP-binding cassette, sub-family D (ALD), member 4	0.810005	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0029 40	ABCE1	ATP-binding cassette, sub-family E (OABP), member 1	-1.100593 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0029 40	ABCE1	ATP-binding cassette, sub-family E (OABP), member 1	-0.94035 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0029 40	ABCE1	ATP-binding cassette, sub-family E (OABP), member 1	-0.40865 Inlier
siRNA Disorazole DMSO Run1	NM_0029 40	ABCE1	ATP-binding cassette, sub-family E (OABP), member 1	-0.016734 Inlier
siRNA Disorazole DMSO Run3	NM_0029 40	ABCE1	ATP-binding cassette, sub-family E (OABP), member 1	0.016734 Inlier
siRNA Disorazole DMSO Run2	NM_0029 40	ABCE1	ATP-binding cassette, sub-family E (OABP), member 1	0.12463 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0029 40	ABCE1	ATP-binding cassette, sub-family E (OABP), member 1	1.024831 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0029 40	ABCE1	ATP-binding cassette, sub-family E (OABP), member 1	1.195809	Inlier
siRNA Disorazole DMSO Run1	NM_0010 90	ABCF1	ATP-binding cassette, sub-family F (GCN20), member 1	-1.069933	Inlier
siRNA Disorazole DMSO Run2	NM_0010 90	ABCF1	ATP-binding cassette, sub-family F (GCN20), member 1	-0.990915	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 90	ABCF1	ATP-binding cassette, sub-family F (GCN20), member 1	-0.712239	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 90	ABCF1	ATP-binding cassette, sub-family F (GCN20), member 1	-0.173494	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 90	ABCF1	ATP-binding cassette, sub-family F (GCN20), member 1	0.173494	Inlier
siRNA Disorazole DMSO Run3	NM_0010 90	ABCF1	ATP-binding cassette, sub-family F (GCN20), member 1	0.246371	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log Fold Change	Annotation
siRNA-Vinblastine Run2-DMSO	NM_001090	ABCF1	ABCF1	0.636761	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001090	ABCF1	ABCF1	0.969102	Inlier
siRNA Disorazole DMSO Run3	NM_007189	ABCF2	ABCF2	-1.484807	Inlier
siRNA Disorazole DMSO Run2	NM_007189	ABCF2	ABCF2	-0.592601	Inlier
siRNA-Temozolomide Run2-DMSO	NM_007189	ABCF2	ABCF2	-0.454484	Inlier
siRNA Disorazole DMSO Run1	NM_007189	ABCF2	ABCF2	-0.364332	Inlier
siRNA-Temozolomide Run1-DMSO	NM_007189	ABCF2	ABCF2	0.364331	Inlier

ATP-binding cassette, sub-family F (GCN20), member 1
 ATP-binding cassette, sub-family F (GCN20), member 1
 ATP-binding cassette, sub-family F (GCN20), member 2
 ATP-binding cassette, sub-family F (GCN20), member 2
 ATP-binding cassette, sub-family F (GCN20), member 2
 ATP-binding cassette, sub-family F (GCN20), member 2
 ATP-binding cassette, sub-family F (GCN20), member 2

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0071 89	ABCF2	ATP-binding cassette, sub-family F (GCN20), member 2	0.756399	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0071 89	ABCF2	ATP-binding cassette, sub-family F (GCN20), member 2	1.002079	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0071 89	ABCF2	ATP-binding cassette, sub-family F (GCN20), member 2	1.160127	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0183 58	ABCF3	ATP-binding cassette, sub-family F (GCN20), member 3	-1.134575	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0183 58	ABCF3	ATP-binding cassette, sub-family F (GCN20), member 3	-1.129037	Inlier
siRNA Disorazole DMSO Run2	NM_0183 58	ABCF3	ATP-binding cassette, sub-family F (GCN20), member 3	-0.943383	Inlier
siRNA Disorazole DMSO Run3	NM_0183 58	ABCF3	ATP-binding cassette, sub-family F (GCN20), member 3	-0.109865	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0183 58	ABCF3	ATP-binding cassette, sub-family F (GCN20), member 3	0.109864	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0183 58	ABCF3	ATP-binding cassette, sub-family F (GCN20), member 3	0.23145	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0183 58	ABCF3	ATP-binding cassette, sub-family F (GCN20), member 3	0.405617	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0183 58	ABCF3	ATP-binding cassette, sub-family F (GCN20), member 3	1.280908	Inlier
siRNA Disorazole DMSO Run2	NM_2076 30	ABCG1	ATP-binding cassette, sub-family G (WHITE), member 1	-6.933624	Outlier
siRNA Disorazole DMSO Run1	NM_2076 30	ABCG1	ATP-binding cassette, sub-family G (WHITE), member 1	-2.659464	Inlier
siRNA-Temozolomide Run2-DMSO	NM_2076 30	ABCG1	ATP-binding cassette, sub-family G (WHITE), member 1	-0.513946	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_2076 30	ABCG1	ATP-binding cassette, sub-family G (WHITE), member 1	-0.38234	Inlier
siRNA-Temozolomide Run3-DMSO	NM_2076 30	ABCG1	ATP-binding cassette, sub-family G (WHITE), member 1	0.38234	Inlier
siRNA-Temozolomide Run1-DMSO	NM_2076 30	ABCG1	ATP-binding cassette, sub-family G (WHITE), member 1	0.412405	Inlier
siRNA-Vinblastine Run2-DMSO	NM_2076 30	ABCG1	ATP-binding cassette, sub-family G (WHITE), member 1	0.835054	Inlier
siRNA-Vinblastine Run1-DMSO	NM_2076 30	ABCG1	ATP-binding cassette, sub-family G (WHITE), member 1	1.099308	Inlier
siRNA Disorazole DMSO Run2	NM_0048 27	ABCG2	ATP-binding cassette, sub-family G (WHITE), member 2	-1.729025	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0048 27	ABCG2	ATP-binding cassette, sub-family G (WHITE), member 2	-1.314678	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0048 27	ABCG2	ATP-binding cassette, sub-family G (WHITE), member 2	-0.569707	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0048 27	ABCG2	ATP-binding cassette, sub-family G (WHITE), member 2	-0.215923	Inlier
siRNA Disorazole DMSO Run1	NM_0048 27	ABCG2	ATP-binding cassette, sub-family G (WHITE), member 2	0.215922	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0048 27	ABCG2	ATP-binding cassette, sub-family G (WHITE), member 2	0.478677	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0048 27	ABCG2	ATP-binding cassette, sub-family G (WHITE), member 2	0.779293	Inlier
siRNA Disorazole DMSO Run3	NM_0048 27	ABCG2	ATP-binding cassette, sub-family G (WHITE), member 2	0.965909	Inlier
siRNA Disorazole DMSO Run1	NM_0221 69	ABCG4	ATP-binding cassette, sub-family G (WHITE), member 4	-1.878553	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0221 69	ABCG4	ATP-binding cassette, sub-family G (WHITE), member 4	-0.677459	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0221 69	ABCG4	ATP-binding cassette, sub-family G (WHITE), member 4	-0.285069	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0221 69	ABCG4	ATP-binding cassette, sub-family G (WHITE), member 4	-0.122039	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0221 69	ABCG4	ATP-binding cassette, sub-family G (WHITE), member 4	0.122038	Inlier
siRNA Disorazole DMSO Run3	NM_0221 69	ABCG4	ATP-binding cassette, sub-family G (WHITE), member 4	0.671541	Inlier
siRNA Disorazole DMSO Run2	NM_0221 69	ABCG4	ATP-binding cassette, sub-family G (WHITE), member 4	2.271885	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0221 69	ABCG4	ATP-binding cassette, sub-family G (WHITE), member 4	2.364242	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3- DMSO	NM_0224 36	ABCG5	ATP- binding cassette, sub-family G (WHITE), member 5 (sterolin 1)	-1.21738 Inlier
siRNA Disorazole DMSO Run2	NM_0224 36	ABCG5	ATP- binding cassette, sub-family G (WHITE), member 5 (sterolin 1)	-1.052979 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0224 36	ABCG5	ATP- binding cassette, sub-family G (WHITE), member 5 (sterolin 1)	-0.926385 Inlier
siRNA Disorazole DMSO Run1	NM_0224 36	ABCG5	ATP- binding cassette, sub-family G (WHITE), member 5 (sterolin 1)	-0.097439 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0224 36	ABCG5	ATP- binding cassette, sub-family G (WHITE), member 5 (sterolin 1)	0.097439 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0224 36	ABCG5	ATP-binding cassette, sub-family G (WHITE), member 5 (sterolin 1)	0.286656	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0224 36	ABCG5	ATP-binding cassette, sub-family G (WHITE), member 5 (sterolin 1)	0.422615	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0224 36	ABCG5	ATP-binding cassette, sub-family G (WHITE), member 5 (sterolin 1)	1.557828	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0224 37	ABCG8	ATP-binding cassette, sub-family G (WHITE), member 8 (sterolin 2)	-0.835191	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0224 37	ABCG8	ATP-binding cassette, sub-family G (WHITE), member 8 (sterolin 2)	-0.685008	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0224 37	ABCG8	ATP-binding cassette, sub-family G (WHITE), member 8 (sterolin 2)	-0.663992	Inlier
siRNA Disorazole DMSO Run2	NM_0224 37	ABCG8	ATP-binding cassette, sub-family G (WHITE), member 8 (sterolin 2)	-0.147845	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0224 37	ABCG8	ATP-binding cassette, sub-family G (WHITE), member 8 (sterolin 2)	0.147846	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0224 37	ABCG8	ATP-binding cassette, sub-family G (WHITE), member 8 (sterolin 2)	0.301878	Inlier
siRNA Disorazole DMSO Run3	NM_0224 37	ABCG8	ATP-binding cassette, sub-family G (WHITE), member 8 (sterolin 2)	0.788291	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_022437	ABCG8	ATP-binding cassette, sub-family G (WHITE), member 8 (sterolin 2)	0.939284	Inlier
siRNA Disorazole DMSO Run1	NM_007011	ABHD2	abhydrolase domain containing 2	-1.178637	Inlier
siRNA-Temozolomide Run1-DMSO	NM_007011	ABHD2	abhydrolase domain containing 2	-0.744033	Inlier
siRNA-Temozolomide Run2-DMSO	NM_007011	ABHD2	abhydrolase domain containing 2	-0.604967	Inlier
siRNA-Vinblastine Run2-DMSO	NM_007011	ABHD2	abhydrolase domain containing 2	-0.445733	Inlier
siRNA Disorazole DMSO Run3	NM_007011	ABHD2	abhydrolase domain containing 2	0.445733	Inlier
siRNA-Temozolomide Run3-DMSO	NM_007011	ABHD2	abhydrolase domain containing 2	0.603527	Inlier
siRNA Disorazole DMSO Run2	NM_007011	ABHD2	abhydrolase domain containing 2	1.403188	Inlier
siRNA-Vinblastine Run1-DMSO	NM_007011	ABHD2	abhydrolase domain containing 2	1.641944	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_1383 40	ABHD3	abhydrolase domain containing 3	-1.024747	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1383 40	ABHD3	abhydrolase domain containing 3	-0.979307	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1383 40	ABHD3	abhydrolase domain containing 3	-0.230168	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1383 40	ABHD3	abhydrolase domain containing 3	-0.186746	Inlier
siRNA Disorazole DMSO Run3	NM_1383 40	ABHD3	abhydrolase domain containing 3	0.186746	Inlier
siRNA Disorazole DMSO Run1	NM_1383 40	ABHD3	abhydrolase domain containing 3	0.369693	Inlier
siRNA Disorazole DMSO Run2	NM_1383 40	ABHD3	abhydrolase domain containing 3	2.020526	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1383 40	ABHD3	abhydrolase domain containing 3	2.312193	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0220 60	ABHD4	abhydrolase domain containing 4	-1.042939	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0220 60	ABHD4	abhydrolase domain containing 4	-0.745771	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0220 60	ABHD4	abhydrolase domain containing 4	-0.603229	Inlier
siRNA Disorazole DMSO Run3	NM_0220 60	ABHD4	abhydrolase domain containing 4	-0.035021	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0220 60	ABHD4	abhydrolase domain containing 4	0.035021	Inlier
siRNA Disorazole DMSO Run1	NM_0220 60	ABHD4	abhydrolase domain containing 4	0.404512	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0220 60	ABHD4	abhydrolase domain containing 4	1.272063	Inlier
siRNA Disorazole DMSO Run2	NM_0220 60	ABHD4	abhydrolase domain containing 4	1.481308	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0160 06	ABHD5	abhydrolase domain containing 5	-1.133723	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0160 06	ABHD5	abhydrolase domain containing 5	-1.031168	Inlier
siRNA Disorazole DMSO Run1	NM_0160 06	ABHD5	abhydrolase domain containing 5	-0.202459	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0160 06	ABHD5	abhydrolase domain containing 5	-0.075166	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_016006	ABHD5	abhydrolase domain containing 5	0.075166	Inlier
siRNA Disorazole DMSO Run3	NM_016006	ABHD5	abhydrolase domain containing 5	0.438928	Inlier
siRNA-Vinblastine Run1-DMSO	NM_016006	ABHD5	abhydrolase domain containing 5	0.910072	Inlier
siRNA Disorazole DMSO Run2	NM_016006	ABHD5	abhydrolase domain containing 5	1.552846	Inlier
siRNA-Temozolomide Run3-DMSO	NM_020676	ABHD6	abhydrolase domain containing 6	-2.305785	Inlier
siRNA-Temozolomide Run2-DMSO	NM_020676	ABHD6	abhydrolase domain containing 6	-2.047663	Inlier
siRNA-Temozolomide Run1-DMSO	NM_020676	ABHD6	abhydrolase domain containing 6	-1.015226	Inlier
siRNA Disorazole DMSO Run1	NM_020676	ABHD6	abhydrolase domain containing 6	-0.351082	Inlier
siRNA-Vinblastine Run2-DMSO	NM_020676	ABHD6	abhydrolase domain containing 6	0.351082	Inlier
siRNA Disorazole DMSO Run3	NM_020676	ABHD6	abhydrolase domain containing 6	0.353384	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0206 76	ABHD6	abhydrolase domain containing 6	0.510562	Inlier
siRNA Disorazole DMSO Run2	NM_0206 76	ABHD6	abhydrolase domain containing 6	0.838438	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1735 67	ABHD7	abhydrolase domain containing 7	-1.442121	Inlier
siRNA Disorazole DMSO Run1	NM_1735 67	ABHD7	abhydrolase domain containing 7	-1.029006	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1735 67	ABHD7	abhydrolase domain containing 7	-0.262104	Inlier
siRNA Disorazole DMSO Run3	NM_1735 67	ABHD7	abhydrolase domain containing 7	-0.221299	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1735 67	ABHD7	abhydrolase domain containing 7	0.221297	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1735 67	ABHD7	abhydrolase domain containing 7	0.319993	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1735 67	ABHD7	abhydrolase domain containing 7	3.091404	Inlier
siRNA Disorazole DMSO Run2	NM_1735 67	ABHD7	abhydrolase domain containing 7	5.538333	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0245 27	ABHD8	abhydrolase domain containing 8	-1.679112	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0245 27	ABHD8	abhydrolase domain containing 8	-0.755046	Inlier
siRNA Disorazole DMSO Run1	NM_0245 27	ABHD8	abhydrolase domain containing 8	-0.593953	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0245 27	ABHD8	abhydrolase domain containing 8	-0.21135	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0245 27	ABHD8	abhydrolase domain containing 8	0.211349	Inlier
siRNA Disorazole DMSO Run3	NM_0245 27	ABHD8	abhydrolase domain containing 8	0.350173	Inlier
siRNA Disorazole DMSO Run2	NM_0245 27	ABHD8	abhydrolase domain containing 8	2.29754	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0245 27	ABHD8	abhydrolase domain containing 8	2.49522	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0247 94	ABHD9	abhydrolase domain containing 9	-0.911113	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0247 94	ABHD9	abhydrolase domain containing 9	-0.562564	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0247 94	ABHD9	abhydrolase domain containing 9	-0.491073	Inlier
siRNA Disorazole DMSO Run3	NM_0247 94	ABHD9	abhydrolase domain containing 9	-0.485169	Inlier
siRNA Disorazole DMSO Run1	NM_0247 94	ABHD9	abhydrolase domain containing 9	0.485168	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0247 94	ABHD9	abhydrolase domain containing 9	0.786436	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0247 94	ABHD9	abhydrolase domain containing 9	2.66089	Inlier
siRNA Disorazole DMSO Run2	NM_0247 94	ABHD9	abhydrolase domain containing 9	3.655694	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0051 57	ABL1	v-abl Abelson murine leukemia viral oncogene homolog 1	-1.792317	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0051 57	ABL1	v-abl Abelson murine leukemia viral oncogene homolog 1	-0.784522	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0051 57	ABL1	v-abl Abelson murine leukemia viral oncogene homolog 1	-0.564478	Inlier
siRNA Disorazole DMSO Run1	NM_0051 57	ABL1	v-abl Abelson murine leukemia viral oncogene homolog 1	-0.32528	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0051 57	ABL1	v-abl Abelson murine leukemia viral oncogene homolog 1	0.32528	Inlier
siRNA Disorazole DMSO Run2	NM_0051 57	ABL1	v-abl Abelson murine leukemia viral oncogene homolog 1	0.522608	Inlier
siRNA Disorazole DMSO Run3	NM_0051 57	ABL1	v-abl Abelson murine leukemia viral oncogene homolog 1	0.984274	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0051 57	ABL1	v-abl Abelson murine leukemia viral oncogene homolog 1	1.060103	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_005158	ABL2	v-abl Abelson murine leukemia viral oncogene homolog 2 (arg, Abelson-related gene)	-1.90261	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005158	ABL2	v-abl Abelson murine leukemia viral oncogene homolog 2 (arg, Abelson-related gene)	-1.265366	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005158	ABL2	v-abl Abelson murine leukemia viral oncogene homolog 2 (arg, Abelson-related gene)	-1.258076	Inlier
siRNA Disorazole DMSO Run1	NM_005158	ABL2	v-abl Abelson murine leukemia viral oncogene homolog 2 (arg, Abelson-related gene)	-0.295381	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0051 58	ABL2	v-abl Abelson murine leukemia viral oncogene homolog 2 (arg, Abelson- related gene)	0.295381	Inlier
siRNA Disorazole DMSO Run2	NM_0051 58	ABL2	v-abl Abelson murine leukemia viral oncogene homolog 2 (arg, Abelson- related gene)	0.429129	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0051 58	ABL2	v-abl Abelson murine leukemia viral oncogene homolog 2 (arg, Abelson- related gene)	0.619717	Inlier
siRNA Disorazole DMSO Run3	NM_0051 58	ABL2	v-abl Abelson murine leukemia viral oncogene homolog 2 (arg, Abelson- related gene)	0.729283	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_020469	ABO	ABO blood group (transferase A, alpha 1-3-N-acetylgalactosaminyl transferase; transferase B, alpha 1-3-galactosyltransferase)	-0.936612	Inlier
------------------------------	-----------	-----	--	-----------	--------

siRNA-Temozolomide Run1-DMSO	NM_020469	ABO	ABO blood group (transferase A, alpha 1-3-N-acetylgalactosaminyl transferase; transferase B, alpha 1-3-galactosyltransferase)	-0.675799	Inlier
------------------------------	-----------	-----	--	-----------	--------

siRNA Disorazole DMSO Run1	NM_020469	ABO	ABO blood group (transferase A, alpha 1-3-N-acetylgalactosaminyl transferase; transferase B, alpha 1-3-galactosyltransferase)	-0.6732	Inlier
----------------------------	-----------	-----	--	---------	--------

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_020469	ABO	ABO blood group (transferase A, alpha 1-3-N-acetylgalactosaminyl transferase; transferase B, alpha 1-3-galactosyltransferase)	-0.105869	Inlier
siRNA Disorazole DMSO Run3	NM_020469	ABO	ABO blood group (transferase A, alpha 1-3-N-acetylgalactosaminyl transferase; transferase B, alpha 1-3-galactosyltransferase)	0.10587	Inlier
siRNA-Vinblastine Run2-DMSO	NM_020469	ABO	ABO blood group (transferase A, alpha 1-3-N-acetylgalactosaminyl transferase; transferase B, alpha 1-3-galactosyltransferase)	0.626823	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_020469	ABO	ABO blood group (transferase A, alpha 1-3-N-acetylgalactosaminyl transferase; transferase B, alpha 1-3-galactosyltransferase)	0.720751	Inlier
siRNA Disorazole DMSO Run2	NM_020469	ABO	ABO blood group (transferase A, alpha 1-3-N-acetylgalactosaminyl transferase; transferase B, alpha 1-3-galactosyltransferase)	0.943967	Inlier
siRNA Disorazole DMSO Run1	NM_001091	ABP1	amiloride binding protein 1 (amine oxidase (copper-containing))	-1.334656	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001091	ABP1	amiloride binding protein 1 (amine oxidase (copper-containing))	-1.244135	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_001091	ABP1	amiloride binding protein 1 (amine oxidase (copper-containing))	-1.133406	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001091	ABP1	amiloride binding protein 1 (amine oxidase (copper-containing))	-0.111039	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001091	ABP1	amiloride binding protein 1 (amine oxidase (copper-containing))	0.11104	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001091	ABP1	amiloride binding protein 1 (amine oxidase (copper-containing))	0.135384	Inlier
siRNA Disorazole DMSO Run3	NM_001091	ABP1	amiloride binding protein 1 (amine oxidase (copper-containing))	0.215594	Inlier
siRNA Disorazole DMSO Run2	NM_001091	ABP1	amiloride binding protein 1 (amine oxidase (copper-containing))	1.157215	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001092	ABR	active BCR-related gene	-1.494696	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_001092	ABR	active BCR-related gene	-0.903265	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001092	ABR	active BCR-related gene	-0.353282	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001092	ABR	active BCR-related gene	-0.186799	Inlier
siRNA Disorazole DMSO Run1	NM_001092	ABR	active BCR-related gene	0.186799	Inlier
siRNA Disorazole DMSO Run3	NM_001092	ABR	active BCR-related gene	0.445735	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001092	ABR	active BCR-related gene	2.454774	Inlier
siRNA Disorazole DMSO Run2	NM_001092	ABR	active BCR-related gene	2.824043	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001607	ACAA1	acetyl-Coenzyme A acyltransferase 1 (peroxisomal 3-oxoacyl-Coenzyme A thiolase)	-1.454253	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001607	ACAA1	acetyl-Coenzyme A acyltransferase 1 (peroxisomal 3-oxoacyl-Coenzyme A thiolase)	-0.766415	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_001607	ACAA1	acetyl-Coenzyme A acyltransferase 1 (peroxisomal 3-oxoacyl-Coenzyme A thiolase)	-0.582585	Inlier
siRNA Disorazole DMSO Run1	NM_001607	ACAA1	acetyl-Coenzyme A acyltransferase 1 (peroxisomal 3-oxoacyl-Coenzyme A thiolase)	-0.005107	Inlier
siRNA Disorazole DMSO Run3	NM_001607	ACAA1	acetyl-Coenzyme A acyltransferase 1 (peroxisomal 3-oxoacyl-Coenzyme A thiolase)	0.005107	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001607	ACAA1	acetyl-Coenzyme A acyltransferase 1 (peroxisomal 3-oxoacyl-Coenzyme A thiolase)	0.200784	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_001607	ACAA1	acetyl-Coenzyme A acyltransferase 1 (peroxisomal 3-oxoacyl-Coenzyme A thiolase)	3.547181	Outlier
siRNA-Vinblastine Run1-DMSO	NM_001607	ACAA1	acetyl-Coenzyme A acyltransferase 1 (peroxisomal 3-oxoacyl-Coenzyme A thiolase)	4.165621	Outlier
siRNA-Temozolomide Run3-DMSO	NM_006111	ACAA2	acetyl-Coenzyme A acyltransferase 2 (mitochondrial 3-oxoacyl-Coenzyme A thiolase)	-2.233587	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006111	ACAA2	acetyl-Coenzyme A acyltransferase 2 (mitochondrial 3-oxoacyl-Coenzyme A thiolase)	-1.082163	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	11	NM_0061	ACAA2	acetyl-Coenzyme A acyltransferase 2 (mitochondrial 3-oxoacyl-Coenzyme A thiolase)	-0.37509	Inlier
siRNA-Temozolomide Run2-DMSO	11	NM_0061	ACAA2	acetyl-Coenzyme A acyltransferase 2 (mitochondrial 3-oxoacyl-Coenzyme A thiolase)	-0.313022	Inlier
siRNA-Vinblastine Run2-DMSO	11	NM_0061	ACAA2	acetyl-Coenzyme A acyltransferase 2 (mitochondrial 3-oxoacyl-Coenzyme A thiolase)	0.313022	Inlier
siRNA Disorazole DMSO Run3	11	NM_0061	ACAA2	acetyl-Coenzyme A acyltransferase 2 (mitochondrial 3-oxoacyl-Coenzyme A thiolase)	0.422293	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0061 11	ACAA2	acetyl-Coenzyme A acyltransferase 2 (mitochondrial 3-oxoacetyl-Coenzyme A thiolase)	0.926707	Inlier
siRNA Disorazole DMSO Run2	NM_0061 11	ACAA2	acetyl-Coenzyme A acyltransferase 2 (mitochondrial 3-oxoacetyl-Coenzyme A thiolase)	1.033551	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1988 35	ACACA	acetyl-Coenzyme A carboxylase alpha	-0.853141	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1988 35	ACACA	acetyl-Coenzyme A carboxylase alpha	-0.495859	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1988 35	ACACA	acetyl-Coenzyme A carboxylase alpha	-0.349498	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1988 35	ACACA	acetyl-Coenzyme A carboxylase alpha	-0.298389	Inlier
siRNA Disorazole DMSO Run3	NM_1988 35	ACACA	acetyl-Coenzyme A carboxylase alpha	0.298389	Inlier
siRNA Disorazole DMSO Run1	NM_1988 35	ACACA	acetyl-Coenzyme A carboxylase alpha	0.985473	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_1988 35	ACACA	acetyl-Coenzyme A carboxylase alpha	2.20598	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1988 35	ACACA	acetyl-Coenzyme A carboxylase alpha	2.393652	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 93	ACACB	acetyl-Coenzyme A carboxylase beta	-3.08503	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 93	ACACB	acetyl-Coenzyme A carboxylase beta	-0.850196	Inlier
siRNA Disorazole DMSO Run1	NM_0010 93	ACACB	acetyl-Coenzyme A carboxylase beta	-0.167096	Inlier
siRNA Disorazole DMSO Run3	NM_0010 93	ACACB	acetyl-Coenzyme A carboxylase beta	-0.044365	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 93	ACACB	acetyl-Coenzyme A carboxylase beta	0.044365	Inlier
siRNA Disorazole DMSO Run2	NM_0010 93	ACACB	acetyl-Coenzyme A carboxylase beta	0.498804	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 93	ACACB	acetyl-Coenzyme A carboxylase beta	1.091622	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 93	ACACB	acetyl-Coenzyme A carboxylase beta	1.42718	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0252 47	ACAD10	acyl-Coenzyme A dehydrogenase family, member 10	-4.111175	Outlier
siRNA-Vinblastine Run2-DMSO	NM_0252 47	ACAD10	acyl-Coenzyme A dehydrogenase family, member 10	-1.988621	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0252 47	ACAD10	acyl-Coenzyme A dehydrogenase family, member 10	-1.558587	Inlier
siRNA Disorazole DMSO Run3	NM_0252 47	ACAD10	acyl-Coenzyme A dehydrogenase family, member 10	-0.18468	Inlier
siRNA Disorazole DMSO Run2	NM_0252 47	ACAD10	acyl-Coenzyme A dehydrogenase family, member 10	0.18468	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0252 47	ACAD10	acyl-Coenzyme A dehydrogenase family, member 10	0.472281	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0252 47	ACAD10	acyl-Coenzyme A dehydrogenase family, member 10	0.483053	Inlier
siRNA Disorazole DMSO Run1	NM_0252 47	ACAD10	acyl-Coenzyme A dehydrogenase family, member 10	0.865947	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0143 84	ACAD8	acyl-Coenzyme A dehydrogenase family, member 8	-3.088869	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0143 84	ACAD8	acyl-Coenzyme A dehydrogenase family, member 8	-2.315381	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0143 84	ACAD8	acyl-Coenzyme A dehydrogenase family, member 8	-0.478498	Inlier
siRNA Disorazole DMSO Run1	NM_0143 84	ACAD8	acyl-Coenzyme A dehydrogenase family, member 8	-0.325899	Inlier
siRNA Disorazole DMSO Run3	NM_0143 84	ACAD8	acyl-Coenzyme A dehydrogenase family, member 8	0.325899	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Family	Score	Category
siRNA-Temozolomide Run3-DMSO	NM_014384	ACAD8	acyl-Coenzyme A dehydrogenase family, member 8	0.573009	Inlier
siRNA-Vinblastine Run1-DMSO	NM_014384	ACAD8	acyl-Coenzyme A dehydrogenase family, member 8	0.775991	Inlier
siRNA Disorazole DMSO Run2	NM_014384	ACAD8	acyl-Coenzyme A dehydrogenase family, member 8	8.620785	Outlier
siRNA-Temozolomide Run2-DMSO	NM_014049	ACAD9	acyl-Coenzyme A dehydrogenase family, member 9	-1.807811	Inlier
siRNA-Temozolomide Run3-DMSO	NM_014049	ACAD9	acyl-Coenzyme A dehydrogenase family, member 9	-1.661178	Inlier
siRNA-Temozolomide Run1-DMSO	NM_014049	ACAD9	acyl-Coenzyme A dehydrogenase family, member 9	-0.778894	Inlier
siRNA Disorazole DMSO Run1	NM_014049	ACAD9	acyl-Coenzyme A dehydrogenase family, member 9	-0.069145	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log2 Fold Change	Significance
siRNA Disorazole DMSO Run3	NM_014049	ACAD9	acyl-Coenzyme A dehydrogenase family, member 9	0.069145	Inlier
siRNA-Vinblastine Run2-DMSO	NM_014049	ACAD9	acyl-Coenzyme A dehydrogenase family, member 9	0.339887	Inlier
siRNA-Vinblastine Run1-DMSO	NM_014049	ACAD9	acyl-Coenzyme A dehydrogenase family, member 9	0.570106	Inlier
siRNA Disorazole DMSO Run2	NM_014049	ACAD9	acyl-Coenzyme A dehydrogenase family, member 9	0.915033	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001608	ACADL	acyl-Coenzyme A dehydrogenase, long chain	-1.863145	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001608	ACADL	acyl-Coenzyme A dehydrogenase, long chain	-1.433155	Inlier
siRNA Disorazole DMSO Run3	NM_001608	ACADL	acyl-Coenzyme A dehydrogenase, long chain	-0.695428	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001608	ACADL	acyl-Coenzyme A dehydrogenase, long chain	-0.081662	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_001608	ACADL	acyl-Coenzyme A dehydrogenase, long chain	0.081662	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001608	ACADL	acyl-Coenzyme A dehydrogenase, long chain	0.649023	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001608	ACADL	acyl-Coenzyme A dehydrogenase, long chain	0.653572	Inlier
siRNA Disorazole DMSO Run2	NM_001608	ACADL	acyl-Coenzyme A dehydrogenase, long chain	0.727245	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000016	ACADM	acyl-Coenzyme A dehydrogenase, C-4 to C-12 straight chain	-1.818437	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000016	ACADM	acyl-Coenzyme A dehydrogenase, C-4 to C-12 straight chain	-1.529335	Inlier
siRNA Disorazole DMSO Run3	NM_000016	ACADM	acyl-Coenzyme A dehydrogenase, C-4 to C-12 straight chain	-0.422828	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_000016	ACADM	acyl-Coenzyme A dehydrogenase, C-4 to C-12 straight chain	-0.015036	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000016	ACADM	acyl-Coenzyme A dehydrogenase, C-4 to C-12 straight chain	0.015036	Inlier
siRNA Disorazole DMSO Run1	NM_000016	ACADM	acyl-Coenzyme A dehydrogenase, C-4 to C-12 straight chain	0.572445	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000016	ACADM	acyl-Coenzyme A dehydrogenase, C-4 to C-12 straight chain	0.776555	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000016	ACADM	acyl-Coenzyme A dehydrogenase, C-2 to C-3 short chain	0.783102	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000017	ACADS	short chain	-2.28724	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log Fold Change	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_000017	ACADS	acyl-Coenzyme A dehydrogenase, C-2 to C-3 short chain	-1.410277	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000017	ACADS	acyl-Coenzyme A dehydrogenase, C-2 to C-3 short chain	-0.373326	Inlier
siRNA Disorazole DMSO Run1	NM_000017	ACADS	acyl-Coenzyme A dehydrogenase, C-2 to C-3 short chain	-0.28156	Inlier
siRNA Disorazole DMSO Run3	NM_000017	ACADS	acyl-Coenzyme A dehydrogenase, C-2 to C-3 short chain	0.28156	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000017	ACADS	acyl-Coenzyme A dehydrogenase, C-2 to C-3 short chain	0.525773	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000017	ACADS	acyl-Coenzyme A dehydrogenase, C-2 to C-3 short chain	0.823227	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_000017	ACADS	acyl-Coenzyme A dehydrogenase, C-2 to C-3 short chain	2.297056	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001609	ACADSB	acyl-Coenzyme A dehydrogenase, short/branched chain	-1.288552	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001609	ACADSB	acyl-Coenzyme A dehydrogenase, short/branched chain	-0.983098	Inlier
siRNA Disorazole DMSO Run2	NM_001609	ACADSB	acyl-Coenzyme A dehydrogenase, short/branched chain	-0.628699	Inlier
siRNA Disorazole DMSO Run3	NM_001609	ACADSB	acyl-Coenzyme A dehydrogenase, short/branched chain	-0.007207	Inlier
siRNA Disorazole DMSO Run1	NM_001609	ACADSB	acyl-Coenzyme A dehydrogenase, short/branched chain	0.007207	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_001609	ACADSB	acyl-Coenzyme A dehydrogenase, short/branched chain	0.157934	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001609	ACADSB	acyl-Coenzyme A dehydrogenase, short/branched chain	0.7203	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001609	ACADSB	acyl-Coenzyme A dehydrogenase, short/branched chain	0.779215	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000018	ACADVL	acyl-Coenzyme A dehydrogenase, very long chain	-0.832468	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000018	ACADVL	acyl-Coenzyme A dehydrogenase, very long chain	-0.757967	Inlier
siRNA Disorazole DMSO Run3	NM_000018	ACADVL	acyl-Coenzyme A dehydrogenase, very long chain	-0.15235	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000018	ACADVL	acyl-Coenzyme A dehydrogenase, very long chain	-0.134273	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0000 18	ACADVL	acyl-Coenzyme A dehydrogenase, very long chain	0.134273	Inlier
siRNA Disorazole DMSO Run2	NM_0000 18	ACADVL	acyl-Coenzyme A dehydrogenase, very long chain	0.591033	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0000 18	ACADVL	acyl-Coenzyme A dehydrogenase, very long chain	1.317053	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0000 18	ACADVL	acyl-Coenzyme A dehydrogenase, very long chain	1.769533	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1392 74	ACAS2	acetyl-Coenzyme A synthetase 2 (ADP forming)	-0.930284	Inlier
siRNA Disorazole DMSO Run3	NM_1392 74	ACAS2	acetyl-Coenzyme A synthetase 2 (ADP forming)	-0.418716	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1392 74	ACAS2	acetyl-Coenzyme A synthetase 2 (ADP forming)	-0.18824	Inlier
siRNA Disorazole DMSO Run1	NM_1392 74	ACAS2	acetyl-Coenzyme A synthetase 2 (ADP forming)	-0.07956	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_139274	ACAS2	acetyl-Coenzyme A synthetase 2 (ADP forming)	0.07956	Inlier
siRNA-Temozolomide Run3-DMSO	NM_139274	ACAS2	acetyl-Coenzyme A synthetase 2 (ADP forming)	1.784422	Inlier
siRNA Disorazole DMSO Run2	NM_139274	ACAS2	acetyl-Coenzyme A synthetase 2 (ADP forming)	4.067714	Outlier
siRNA-Vinblastine Run1-DMSO	NM_139274	ACAS2	acetyl-Coenzyme A synthetase 2 (ADP forming)	4.870326	Outlier
siRNA-Temozolomide Run2-DMSO	NM_032501	ACAS2L	acetyl-Coenzyme A synthetase 2 (AMP forming)-like	-1.562125	Inlier
siRNA-Vinblastine Run2-DMSO	NM_032501	ACAS2L	acetyl-Coenzyme A synthetase 2 (AMP forming)-like	-0.93166	Inlier
siRNA-Temozolomide Run1-DMSO	NM_032501	ACAS2L	acetyl-Coenzyme A synthetase 2 (AMP forming)-like	-0.41734	Inlier
siRNA Disorazole DMSO Run1	NM_032501	ACAS2L	acetyl-Coenzyme A synthetase 2 (AMP forming)-like	-0.274271	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0325 01	ACAS2L	acetyl-Coenzyme A synthetase 2 (AMP forming)-like	0.274271	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0325 01	ACAS2L	acetyl-Coenzyme A synthetase 2 (AMP forming)-like	0.277605	Inlier
siRNA Disorazole DMSO Run2	NM_0325 01	ACAS2L	acetyl-Coenzyme A synthetase 2 (AMP forming)-like	1.320195	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0325 01	ACAS2L	acetyl-Coenzyme A synthetase 2 (AMP forming)-like	2.647971	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0000 19	ACAT1	acetyl-Coenzyme A acetyltransferase 1 (acetoacetyl Coenzyme A thiolase)	-0.881297	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0000 19	ACAT1	acetyl-Coenzyme A acetyltransferase 1 (acetoacetyl Coenzyme A thiolase)	-0.87765	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_000019	ACAT1	acetyl-Coenzyme A acetyltransferase 1 (acetoacetyl Coenzyme A thiolase)	-0.268748	Inlier
siRNA Disorazole DMSO Run1	NM_000019	ACAT1	acetyl-Coenzyme A acetyltransferase 1 (acetoacetyl Coenzyme A thiolase)	-0.182607	Inlier
siRNA Disorazole DMSO Run3	NM_000019	ACAT1	acetyl-Coenzyme A acetyltransferase 1 (acetoacetyl Coenzyme A thiolase)	0.182608	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000019	ACAT1	acetyl-Coenzyme A acetyltransferase 1 (acetoacetyl Coenzyme A thiolase)	0.47135	Inlier
siRNA Disorazole DMSO Run2	NM_000019	ACAT1	acetyl-Coenzyme A acetyltransferase 1 (acetoacetyl Coenzyme A thiolase)	2.388815	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_000019	ACAT1	acetyl-Coenzyme A acetyltransferase 1 (acetoacetyl Coenzyme A thiolase)	2.47043	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005891	ACAT2	acetyl-Coenzyme A acetyltransferase 2 (acetoacetyl Coenzyme A thiolase)	-1.194299	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005891	ACAT2	acetyl-Coenzyme A acetyltransferase 2 (acetoacetyl Coenzyme A thiolase)	-0.790669	Inlier
siRNA Disorazole DMSO Run1	NM_005891	ACAT2	acetyl-Coenzyme A acetyltransferase 2 (acetoacetyl Coenzyme A thiolase)	-0.334636	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005891	ACAT2	acetyl-Coenzyme A acetyltransferase 2 (acetoacetyl Coenzyme A thiolase)	-0.109585	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0058 91	ACAT2	acetyl-Coenzyme A acetyltransferase 2 (acetoacetyl Coenzyme A thiolase)	0.109585	Inlier
siRNA Disorazole DMSO Run3	NM_0058 91	ACAT2	acetyl-Coenzyme A acetyltransferase 2 (acetoacetyl Coenzyme A thiolase)	0.599921	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0058 91	ACAT2	acetyl-Coenzyme A acetyltransferase 2 (acetoacetyl Coenzyme A thiolase)	0.749079	Inlier
siRNA Disorazole DMSO Run2	NM_0058 91	ACAT2	acetyl-Coenzyme A acetyltransferase 2 (acetoacetyl Coenzyme A thiolase)	1.222016	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0123 32	ACATE2	ACATE2	-1.010702	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0123 32	ACATE2	ACATE2	-0.70035	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0123 32	ACATE2	ACATE2	-0.558904	Inlier
siRNA Disorazole DMSO Run3	NM_0123 32	ACATE2	ACATE2	-0.433611	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0123 32	ACATE2	ACATE2	0.433611	Inlier
siRNA Disorazole DMSO Run1	NM_0123 32	ACATE2	ACATE2	0.64865	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log Fold Change	Outlier Status
siRNA-Vinblastine Run1-DMSO	NM_0123 32	ACATE2		1.482214	Inlier
siRNA Disorazole DMSO Run2	NM_0123 32	ACATE2		1.929729	Inlier
siRNA Disorazole DMSO Run1	NM_1833 77	ACCN1	amiloride-sensitive cation channel 1, neuronal (degenerin)	-0.825346	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1833 77	ACCN1	amiloride-sensitive cation channel 1, neuronal (degenerin)	-0.806966	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1833 77	ACCN1	amiloride-sensitive cation channel 1, neuronal (degenerin)	-0.74598	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1833 77	ACCN1	amiloride-sensitive cation channel 1, neuronal (degenerin)	-0.200944	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1833 77	ACCN1	amiloride-sensitive cation channel 1, neuronal (degenerin)	0.200944	Inlier
siRNA Disorazole DMSO Run3	NM_1833 77	ACCN1	amiloride-sensitive cation channel 1, neuronal (degenerin)	0.350499	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_1833 77	ACCN1	amiloride-sensitive cation channel 1, neuronal (degenerin)	0.60302 Inlier
siRNA Disorazole DMSO Run2	NM_1833 77	ACCN1	amiloride-sensitive cation channel 1, neuronal (degenerin)	1.253752 Inlier
siRNA Disorazole DMSO Run1	NM_0200 39	ACCN2	amiloride-sensitive cation channel 2, neuronal	-1.3913 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0200 39	ACCN2	amiloride-sensitive cation channel 2, neuronal	-0.733094 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0200 39	ACCN2	amiloride-sensitive cation channel 2, neuronal	-0.615906 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0200 39	ACCN2	amiloride-sensitive cation channel 2, neuronal	-0.13549 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0200 39	ACCN2	amiloride-sensitive cation channel 2, neuronal	0.135491 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0200 39	ACCN2	amiloride-sensitive cation channel 2, neuronal	0.57477 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0200 39	ACCN2	amiloride-sensitive cation channel 2, neuronal	2.317167	Inlier
siRNA Disorazole DMSO Run2	NM_0200 39	ACCN2	amiloride-sensitive cation channel 2, neuronal	3.589132	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0047 69	ACCN3	amiloride-sensitive cation channel 3	-1.345811	Inlier
siRNA Disorazole DMSO Run3	NM_0047 69	ACCN3	amiloride-sensitive cation channel 3	-0.69544	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0047 69	ACCN3	amiloride-sensitive cation channel 3	-0.476932	Inlier
siRNA Disorazole DMSO Run2	NM_0047 69	ACCN3	amiloride-sensitive cation channel 3	-0.186409	Inlier
siRNA Disorazole DMSO Run1	NM_0047 69	ACCN3	amiloride-sensitive cation channel 3	0.186408	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0047 69	ACCN3	amiloride-sensitive cation channel 3	0.65356	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0047 69	ACCN3	amiloride-sensitive cation channel 3	1.143384	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0047 69	ACCN3	amiloride-sensitive cation channel 3	1.763822	Inlier
siRNA Disorazole DMSO Run1	NM_0186 74	ACCN4	amiloride-sensitive cation channel 4, pituitary	-1.734092	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0186 74	ACCN4	amiloride-sensitive cation channel 4, pituitary	-0.786984 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0186 74	ACCN4	amiloride-sensitive cation channel 4, pituitary	-0.562016 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0186 74	ACCN4	amiloride-sensitive cation channel 4, pituitary	-0.169713 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0186 74	ACCN4	amiloride-sensitive cation channel 4, pituitary	0.169712 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0186 74	ACCN4	amiloride-sensitive cation channel 4, pituitary	0.422795 Inlier
siRNA Disorazole DMSO Run3	NM_0186 74	ACCN4	amiloride-sensitive cation channel 4, pituitary	2.318527 Inlier
siRNA Disorazole DMSO Run2	NM_0186 74	ACCN4	amiloride-sensitive cation channel 4, pituitary	2.599351 Inlier
siRNA Disorazole DMSO Run1	NM_0174 19	ACCN5	amiloride-sensitive cation channel 5, intestinal	-1.581297 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0174 19	ACCN5	amiloride-sensitive cation channel 5, intestinal	-0.836753 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0174 19	ACCN5	amiloride-sensitive cation channel 5, intestinal	-0.512247 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0174 19	ACCN5	amiloride-sensitive cation channel 5, intestinal	-0.127131 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0174 19	ACCN5	amiloride-sensitive cation channel 5, intestinal	0.127132 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0174 19	ACCN5	amiloride-sensitive cation channel 5, intestinal	0.405153 Inlier
siRNA Disorazole DMSO Run3	NM_0174 19	ACCN5	amiloride-sensitive cation channel 5, intestinal	1.88704 Inlier
siRNA Disorazole DMSO Run2	NM_0174 19	ACCN5	amiloride-sensitive cation channel 5, intestinal angiotensin I converting enzyme (peptidyl-dipeptidase A) 1	6.309962 Outlier
siRNA-Temozolomide Run3-DMSO	NM_1528 30	ACE	amiloride-sensitive cation channel 5, intestinal angiotensin I converting enzyme (peptidyl-dipeptidase A) 1	-2.015565 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Cell Line	Gene Name	Log Fold Change	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_152830	ACE	angiotensin I converting enzyme (peptidyl-dipeptidase A) 1	-0.75033	Inlier
siRNA Disorazole DMSO Run1	NM_152830	ACE	angiotensin I converting enzyme (peptidyl-dipeptidase A) 1	-0.113673	Inlier
siRNA-Temozolomide Run1-DMSO	NM_152830	ACE	angiotensin I converting enzyme (peptidyl-dipeptidase A) 1	-0.062112	Inlier
siRNA Disorazole DMSO Run2	NM_152830	ACE	angiotensin I converting enzyme (peptidyl-dipeptidase A) 1	0.062113	Inlier
siRNA Disorazole DMSO Run3	NM_152830	ACE	angiotensin I converting enzyme (peptidyl-dipeptidase A) 1	0.59867	Inlier
siRNA-Vinblastine Run2-DMSO	NM_152830	ACE	angiotensin I converting enzyme (peptidyl-dipeptidase A) 1	1.34339	Inlier
siRNA-Vinblastine Run1-DMSO	NM_152830	ACE	angiotensin I converting enzyme (peptidyl-dipeptidase A) 1	1.617361	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log Fold Change	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_021804	ACE2	angiotensin I converting enzyme (peptidyl-dipeptidase A) 2	-2.641918	Inlier
siRNA-Temozolomide Run2-DMSO	NM_021804	ACE2	angiotensin I converting enzyme (peptidyl-dipeptidase A) 2	-1.617026	Inlier
siRNA Disorazole DMSO Run1	NM_021804	ACE2	angiotensin I converting enzyme (peptidyl-dipeptidase A) 2	-0.525705	Inlier
siRNA-Temozolomide Run1-DMSO	NM_021804	ACE2	angiotensin I converting enzyme (peptidyl-dipeptidase A) 2	-0.380116	Inlier
siRNA-Vinblastine Run1-DMSO	NM_021804	ACE2	angiotensin I converting enzyme (peptidyl-dipeptidase A) 2	0.380116	Inlier
siRNA Disorazole DMSO Run3	NM_021804	ACE2	angiotensin I converting enzyme (peptidyl-dipeptidase A) 2	0.457621	Inlier
siRNA-Vinblastine Run2-DMSO	NM_021804	ACE2	angiotensin I converting enzyme (peptidyl-dipeptidase A) 2	0.823295	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_021804	ACE2	angiotensin I converting enzyme (peptidyl-dipeptidase A) 2	2.372303	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000665	ACHE	acetylcholinesterase (YT blood group)	-2.399526	Inlier
siRNA Disorazole DMSO Run3	NM_000665	ACHE	acetylcholinesterase (YT blood group)	-0.740867	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000665	ACHE	acetylcholinesterase (YT blood group)	-0.479133	Inlier
siRNA Disorazole DMSO Run1	NM_000665	ACHE	acetylcholinesterase (YT blood group)	-0.116808	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000665	ACHE	acetylcholinesterase (YT blood group)	0.116807	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000665	ACHE	acetylcholinesterase (YT blood group)	0.608133	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000665	ACHE	acetylcholinesterase (YT blood group)	1.414299	Inlier
siRNA Disorazole DMSO Run2	NM_000665	ACHE	acetylcholinesterase (YT blood group)	1.536361	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001010938	ACK1	tyrosine kinase, non-receptor, 2	-0.753358	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0010 10938	ACK1	tyrosine kinase, non- receptor, 2	-0.69743	Inlier
siRNA Disorazole DMSO Run3	NM_0010 10938	ACK1	tyrosine kinase, non- receptor, 2	-0.532331	Inlier
siRNA Disorazole DMSO Run2	NM_0010 10938	ACK1	tyrosine kinase, non- receptor, 2	-0.275464	Inlier
siRNA Disorazole DMSO Run1	NM_0010 10938	ACK1	tyrosine kinase, non- receptor, 2	0.275464	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 10938	ACK1	tyrosine kinase, non- receptor, 2	0.65157	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 10938	ACK1	tyrosine kinase, non- receptor, 2	1.078503	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 10938	ACK1	tyrosine kinase, non- receptor, 2	1.574033	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1988 30	ACLY	ATP citrate lyase	-1.363568	Inlier
siRNA Disorazole DMSO Run1	NM_1988 30	ACLY	ATP citrate lyase	-0.674432	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1988 30	ACLY	ATP citrate lyase	-0.513474	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1988 30	ACLY	ATP citrate lyase	-0.163836	Inlier
siRNA Disorazole DMSO Run3	NM_1988 30	ACLY	ATP citrate lyase	0.163836	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Enzyme	ATP	Value	Inlier
siRNA Disorazole DMSO Run2	NM_1988 30	ACLY	citrate lyase	0.674568	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1988 30	ACLY	citrate lyase	1.570788	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1988 30	ACLY	citrate lyase	1.590977	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1383 26	ACMSD	aminocarb oxymucon ate semialdeh yde decarboxyl ase	-2.615314	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1383 26	ACMSD	aminocarb oxymucon ate semialdeh yde decarboxyl ase	-1.041945	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1383 26	ACMSD	aminocarb oxymucon ate semialdeh yde decarboxyl ase	-0.307054	Inlier
siRNA Disorazole DMSO Run3	NM_1383 26	ACMSD	aminocarb oxymucon ate semialdeh yde decarboxyl ase	-0.017054	Inlier
siRNA Disorazole DMSO Run1	NM_1383 26	ACMSD	aminocarb oxymucon ate semialdeh yde decarboxyl ase	0.017054	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1383 26	ACMSD	aminocarb oxymucon ate semialdeh yde decarboxyl ase	0.027743	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_1383 26	ACMSD	aminocarb oxymucon ate semialdeh yde decarboxyl ase	1.321214	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1383 26	ACMSD	aminocarb oxymucon ate semialdeh yde decarboxyl ase	2.045402	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0021 97	ACO1	aconitase 1, soluble	-2.578811	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0021 97	ACO1	aconitase 1, soluble	-1.469483	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0021 97	ACO1	aconitase 1, soluble	-0.549585	Inlier
siRNA Disorazole DMSO Run3	NM_0021 97	ACO1	aconitase 1, soluble	-0.299285	Inlier
siRNA Disorazole DMSO Run1	NM_0021 97	ACO1	aconitase 1, soluble	0.299285	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0021 97	ACO1	aconitase 1, soluble	0.585122	Inlier
siRNA Disorazole DMSO Run2	NM_0021 97	ACO1	aconitase 1, soluble	0.763878	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0021 97	ACO1	aconitase 1, soluble aconitase 2,	2.24471	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0010 98	ACO2	mitochond rial aconitase 2,	-1.015229	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0010 98	ACO2	mitochond rial aconitase 2,	-0.778513	Inlier
siRNA Disorazole DMSO Run3	NM_0010 98	ACO2	mitochond rial aconitase 2,	-0.570487	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0010 98	ACO2	mitochond rial aconitase 2,	-0.062	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0010 98	ACO2	mitochond rial	0.062	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0010 98	ACO2	aconitase 2, mitochondrial	0.074355	Inlier
siRNA Disorazole DMSO Run2	NM_0010 98	ACO2	aconitase 2, mitochondrial	1.287803	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 98	ACO2	aconitase 2, mitochondrial	1.370129	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0040 35	ACOX1	acyl-Coenzyme A oxidase 1, palmitoyl	-0.684577	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0040 35	ACOX1	acyl-Coenzyme A oxidase 1, palmitoyl	-0.664423	Inlier
siRNA Disorazole DMSO Run3	NM_0040 35	ACOX1	acyl-Coenzyme A oxidase 1, palmitoyl	-0.530667	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0040 35	ACOX1	acyl-Coenzyme A oxidase 1, palmitoyl	-0.055375	Inlier
siRNA Disorazole DMSO Run1	NM_0040 35	ACOX1	acyl-Coenzyme A oxidase 1, palmitoyl	0.055375	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0040 35	ACOX1	acyl-Coenzyme A oxidase 1, palmitoyl	1.238364	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_004035	ACOX1	acyl-Coenzyme A oxidase 1, palmitoyl	2.434165	Inlier
siRNA Disorazole DMSO Run2	NM_004035	ACOX1	acyl-Coenzyme A oxidase 1, palmitoyl	2.778502	Inlier
siRNA Disorazole DMSO Run1	NM_003500	ACOX2	acyl-Coenzyme A oxidase 2, branched chain	-2.16939	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003500	ACOX2	acyl-Coenzyme A oxidase 2, branched chain	-1.535793	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003500	ACOX2	acyl-Coenzyme A oxidase 2, branched chain	-1.191949	Inlier
siRNA Disorazole DMSO Run3	NM_003500	ACOX2	acyl-Coenzyme A oxidase 2, branched chain	-0.048459	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003500	ACOX2	acyl-Coenzyme A oxidase 2, branched chain	0.048459	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_003500	ACOX2	acyl-Coenzyme A oxidase 2, branched chain	0.061023	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003500	ACOX2	acyl-Coenzyme A oxidase 2, branched chain	0.157051	Inlier
siRNA Disorazole DMSO Run2	NM_003500	ACOX2	acyl-Coenzyme A oxidase 2, branched chain	2.622266	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003501	ACOX3	acyl-Coenzyme A oxidase 3, pristanoyl	-2.90577	Inlier
siRNA Disorazole DMSO Run1	NM_003501	ACOX3	acyl-Coenzyme A oxidase 3, pristanoyl	-0.686175	Inlier
siRNA Disorazole DMSO Run3	NM_003501	ACOX3	acyl-Coenzyme A oxidase 3, pristanoyl	-0.662825	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003501	ACOX3	acyl-Coenzyme A oxidase 3, pristanoyl	-0.489528	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003501	ACOX3	acyl-Coenzyme A oxidase 3, pristanoyl	0.489528	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_003501	ACOX3	acyl-Coenzyme A oxidase 3, pristanoyl	0.638135	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003501	ACOX3	acyl-Coenzyme A oxidase 3, pristanoyl	2.449408	Inlier
siRNA Disorazole DMSO Run2	NM_003501	ACOX3	acyl-Coenzyme A oxidase 3, pristanoyl	3.797656	Outlier
siRNA-Temozolomide Run3-DMSO	NM_018308	ACOXL	acyl-Coenzyme A oxidase-like	-2.963997	Inlier
siRNA Disorazole DMSO Run3	NM_018308	ACOXL	acyl-Coenzyme A oxidase-like	-0.837648	Inlier
siRNA-Temozolomide Run2-DMSO	NM_018308	ACOXL	acyl-Coenzyme A oxidase-like	-0.511352	Inlier
siRNA Disorazole DMSO Run1	NM_018308	ACOXL	acyl-Coenzyme A oxidase-like	-0.000565	Inlier
siRNA-Vinblastine Run2-DMSO	NM_018308	ACOXL	acyl-Coenzyme A oxidase-like	0.000565	Inlier
siRNA-Temozolomide Run1-DMSO	NM_018308	ACOXL	acyl-Coenzyme A oxidase-like	0.4072	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_018308	ACOXL	acyl-Coenzyme A oxidase-like	1.962421	Inlier
siRNA Disorazole DMSO Run2	NM_018308	ACOXL	acyl-Coenzyme A oxidase-like	2.108196	Inlier
siRNA-Temozolomide Run3-DMSO	NM_007099	ACP1	acid phosphatase 1, soluble	-1.484476	Inlier
siRNA Disorazole DMSO Run3	NM_007099	ACP1	acid phosphatase 1, soluble	-0.679073	Inlier
siRNA Disorazole DMSO Run2	NM_007099	ACP1	acid phosphatase 1, soluble	-0.542255	Inlier
siRNA-Temozolomide Run2-DMSO	NM_007099	ACP1	acid phosphatase 1, soluble	-0.06816	Inlier
siRNA-Temozolomide Run1-DMSO	NM_007099	ACP1	acid phosphatase 1, soluble	0.06816	Inlier
siRNA Disorazole DMSO Run1	NM_007099	ACP1	acid phosphatase 1, soluble	0.669927	Inlier
siRNA-Vinblastine Run2-DMSO	NM_007099	ACP1	acid phosphatase 1, soluble	1.333239	Inlier
siRNA-Vinblastine Run1-DMSO	NM_007099	ACP1	acid phosphatase 1, soluble	1.579785	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001610	ACP2	acid phosphatase 2, lysosomal	-1.796433	Inlier
siRNA Disorazole DMSO Run2	NM_001610	ACP2	acid phosphatase 2, lysosomal	-0.497155	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0016 10	ACP2	acid phosphatase 2, lysosomal	-0.381574	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0016 10	ACP2	acid phosphatase 2, lysosomal	-0.224714	Inlier
siRNA Disorazole DMSO Run3	NM_0016 10	ACP2	acid phosphatase 2, lysosomal	0.224714	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0016 10	ACP2	acid phosphatase 2, lysosomal	0.851845	Inlier
siRNA Disorazole DMSO Run1	NM_0016 10	ACP2	acid phosphatase 2, lysosomal	0.873966	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0016 10	ACP2	acid phosphatase 2, lysosomal	1.06432	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0016 11	ACP5	acid phosphatase 5, tartrate resistant	-1.635174	Inlier
siRNA Disorazole DMSO Run2	NM_0016 11	ACP5	acid phosphatase 5, tartrate resistant	-1.184525	Inlier
siRNA Disorazole DMSO Run3	NM_0016 11	ACP5	acid phosphatase 5, tartrate resistant	-0.806071	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0016 11	ACP5	acid phosphatase 5, tartrate resistant	-0.088553	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0016 11	ACP5	acid phosphatase 5, tartrate resistant	0.088553	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Gene ID	Target	Gene Name	Value	Category
siRNA Disorazole DMSO Run1	NM_0016	11	ACP5	acid phosphatase 5, tartrate resistant	0.331484	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0016	11	ACP5	acid phosphatase 5, tartrate resistant	0.636439	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0016	11	ACP5	acid phosphatase 5, tartrate resistant	0.712561	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0163	61	ACP6	acid phosphatase 6, lysophosphatidic	-11.70893	Outlier
siRNA-Temozolomide Run1-DMSO	NM_0163	61	ACP6	acid phosphatase 6, lysophosphatidic	-0.846822	Inlier
siRNA Disorazole DMSO Run3	NM_0163	61	ACP6	acid phosphatase 6, lysophosphatidic	-0.502178	Inlier
siRNA Disorazole DMSO Run2	NM_0163	61	ACP6	acid phosphatase 6, lysophosphatidic	-0.183776	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0163	61	ACP6	acid phosphatase 6, lysophosphatidic	0.183776	Inlier
siRNA Disorazole DMSO Run1	NM_0163	61	ACP6	acid phosphatase 6, lysophosphatidic	0.281947	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0163	61	ACP6	acid phosphatase 6, lysophosphatidic	4.854448	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_016361	ACP6	acid phosphatase 6, lysophosphatidic acid	8.801937	Outlier
siRNA-Temozolomide Run3-DMSO	NM_001099	ACPP	acid phosphatase, prostate	-0.706655	Inlier
siRNA Disorazole DMSO Run2	NM_001099	ACPP	acid phosphatase, prostate	-0.642345	Inlier
siRNA Disorazole DMSO Run3	NM_001099	ACPP	acid phosphatase, prostate	-0.46629	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001099	ACPP	acid phosphatase, prostate	-0.003944	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001099	ACPP	acid phosphatase, prostate	0.003944	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001099	ACPP	acid phosphatase, prostate	0.740559	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001099	ACPP	acid phosphatase, prostate	0.75459	Inlier
siRNA Disorazole DMSO Run1	NM_001099	ACPP	acid phosphatase, prostate	0.938063	Inlier
siRNA-Temozolomide Run3-DMSO	NM_080790	ACPT	acid phosphatase, testicular	-1.334946	Inlier
siRNA Disorazole DMSO Run2	NM_080790	ACPT	acid phosphatase, testicular	-1.101325	Inlier
siRNA-Temozolomide Run2-DMSO	NM_080790	ACPT	acid phosphatase, testicular	-0.858736	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0807 90	ACPT	acid phosphatase, testicular	-0.07179	Inlier
siRNA Disorazole DMSO Run3	NM_0807 90	ACPT	acid phosphatase, testicular	0.07179	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0807 90	ACPT	acid phosphatase, testicular	0.511915	Inlier
siRNA Disorazole DMSO Run1	NM_0807 90	ACPT	acid phosphatase, testicular	0.571082	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0807 90	ACPT	acid phosphatase, testicular	0.777918	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 97	ACR	acrosin	-1.392198	Inlier
siRNA Disorazole DMSO Run2	NM_0010 97	ACR	acrosin	-0.879676	Inlier
siRNA Disorazole DMSO Run1	NM_0010 97	ACR	acrosin	-0.630733	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 97	ACR	acrosin	-0.001769	Inlier
siRNA Disorazole DMSO Run3	NM_0010 97	ACR	acrosin	0.001769	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 97	ACR	acrosin	0.293685	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 97	ACR	acrosin	0.718267	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 97	ACR	acrosin	0.919563	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0019 95	ACSL1	acyl-CoA synthetase long-chain family member 1	-1.606837	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0019 95	ACSL1	acyl-CoA synthetase long-chain family member 1	-1.005181	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0019 95	ACSL1	acyl-CoA synthetase long-chain family member 1	-0.304218	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0019 95	ACSL1	acyl-CoA synthetase long-chain family member 1	-0.151545	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0019 95	ACSL1	acyl-CoA synthetase long-chain family member 1	0.151546	Inlier
siRNA Disorazole DMSO Run1	NM_0019 95	ACSL1	acyl-CoA synthetase long-chain family member 1	0.531855	Inlier
siRNA Disorazole DMSO Run2	NM_0019 95	ACSL1	acyl-CoA synthetase long-chain family member 1	0.817145	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0019 95	ACSL1	acyl-CoA synthetase long-chain family member 1	1.331444	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0044 57	ACSL3	acyl-CoA synthetase long-chain family member 3	-2.932188	Inlier
siRNA Disorazole DMSO Run3	NM_0044 57	ACSL3	acyl-CoA synthetase long-chain family member 3	-1.601935	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0044 57	ACSL3	acyl-CoA synthetase long-chain family member 3	-1.047107	Inlier
siRNA Disorazole DMSO Run1	NM_0044 57	ACSL3	acyl-CoA synthetase long-chain family member 3	-0.002331	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0044 57	ACSL3	acyl-CoA synthetase long-chain family member 3	0.002331	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0044 57	ACSL3	acyl-CoA synthetase long-chain family member 3	0.309307	Inlier
siRNA Disorazole DMSO Run2	NM_0044 57	ACSL3	acyl-CoA synthetase long-chain family member 3	0.459054	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0044 57	ACSL3	acyl-CoA synthetase long-chain family member 3	0.889946	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0229 77	ACSL4	acyl-CoA synthetase long-chain family member 4	-0.98568	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0229 77	ACSL4	acyl-CoA synthetase long-chain family member 4	-0.740235	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0229 77	ACSL4	acyl-CoA synthetase long-chain family member 4	-0.702535	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0229 77	ACSL4	acyl-CoA synthetase long-chain family member 4	-0.281597	Inlier
siRNA Disorazole DMSO Run2	NM_0229 77	ACSL4	acyl-CoA synthetase long-chain family member 4	0.281596	Inlier
siRNA Disorazole DMSO Run1	NM_0229 77	ACSL4	acyl-CoA synthetase long-chain family member 4	0.370539	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0229 77	ACSL4	acyl-CoA synthetase long-chain family member 4	0.646465	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0229 77	ACSL4	acyl-CoA synthetase long-chain family member 4	0.9607	Inlier
siRNA-Temozolomide Run3- DMSO	NM_2033 80	ACSL5	acyl-CoA synthetase long-chain family member 5	-2.544472	Inlier
siRNA Disorazole DMSO Run3	NM_2033 80	ACSL5	acyl-CoA synthetase long-chain family member 5	-0.903347	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_2033 80	ACSL5	acyl-CoA synthetase long-chain family member 5	-0.445653	Inlier
siRNA-Temozolomide Run2-DMSO	NM_2033 80	ACSL5	acyl-CoA synthetase long-chain family member 5	-0.401714	Inlier
siRNA Disorazole DMSO Run2	NM_2033 80	ACSL5	acyl-CoA synthetase long-chain family member 5	0.401714	Inlier
siRNA Disorazole DMSO Run1	NM_2033 80	ACSL5	acyl-CoA synthetase long-chain family member 5	0.406704	Inlier
siRNA-Temozolomide Run1-DMSO	NM_2033 80	ACSL5	acyl-CoA synthetase long-chain family member 5	1.04035	Inlier
siRNA-Vinblastine Run1-DMSO	NM_2033 80	ACSL5	acyl-CoA synthetase long-chain family member 5	1.139187	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 09185	ACSL6	acyl-CoA synthetase long-chain family member 6	-2.270966	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 09185	ACSL6	acyl-CoA synthetase long-chain family member 6	-0.879613	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0010 09185	ACSL6	acyl-CoA synthetase long-chain family member 6	-0.412842	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 09185	ACSL6	acyl-CoA synthetase long-chain family member 6	-0.000455	Inlier
siRNA Disorazole DMSO Run3	NM_0010 09185	ACSL6	acyl-CoA synthetase long-chain family member 6	0.000455	Inlier
siRNA Disorazole DMSO Run2	NM_0010 09185	ACSL6	acyl-CoA synthetase long-chain family member 6	0.469387	Inlier
siRNA Disorazole DMSO Run1	NM_0010 09185	ACSL6	acyl-CoA synthetase long-chain family member 6	0.910319	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 09185	ACSL6	acyl-CoA synthetase long-chain family member 6	1.263055	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1780 42	ACTL6A	actin-like 6A	-1.948278	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1780 42	ACTL6A	actin-like 6A	-0.600073	Inlier
siRNA Disorazole DMSO Run1	NM_1780 42	ACTL6A	actin-like 6A	-0.309199	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1780 42	ACTL6A	actin-like 6A	-0.005812	Inlier
siRNA Disorazole DMSO Run2	NM_1780 42	ACTL6A	actin-like 6A	0.005812	Inlier
siRNA Disorazole DMSO Run3	NM_1780 42	ACTL6A	actin-like 6A	0.748927	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1780 42	ACTL6A	actin-like 6A	1.216184	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1780 42	ACTL6A	actin-like 6A	1.675565	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology				activin A receptor, type I	
siRNA-Vinblastine Run1-DMSO	NM_001105	ACVR1		activin A receptor, type I	-2.533415 Inlier
siRNA-Temozolomide Run2-DMSO	NM_001105	ACVR1		activin A receptor, type I	-0.706337 Inlier
siRNA-Temozolomide Run1-DMSO	NM_001105	ACVR1		activin A receptor, type I	-0.642663 Inlier
siRNA Disorazole DMSO Run1	NM_001105	ACVR1		activin A receptor, type I	-0.047457 Inlier
siRNA Disorazole DMSO Run2	NM_001105	ACVR1		activin A receptor, type I	0.047459 Inlier
siRNA-Temozolomide Run3-DMSO	NM_001105	ACVR1		activin A receptor, type I	0.367503 Inlier
siRNA Disorazole DMSO Run3	NM_001105	ACVR1		activin A receptor, type I	0.884371 Inlier
siRNA-Vinblastine Run2-DMSO	NM_001105	ACVR1		activin A receptor, type I	1.315715 Inlier
siRNA Disorazole DMSO Run2	NM_020327	ACVR1B		activin A receptor, type IB	-1.037564 Inlier
siRNA-Temozolomide Run3-DMSO	NM_020327	ACVR1B		activin A receptor, type IB	-0.792006 Inlier
siRNA-Temozolomide Run2-DMSO	NM_020327	ACVR1B		activin A receptor, type IB	-0.327065 Inlier
siRNA-Temozolomide Run1-DMSO	NM_020327	ACVR1B		activin A receptor, type IB	-0.300685 Inlier
siRNA Disorazole DMSO Run1	NM_020327	ACVR1B		activin A receptor, type IB	0.300685 Inlier
siRNA-Vinblastine Run1-DMSO	NM_020327	ACVR1B		activin A receptor, type IB	0.556993 Inlier
siRNA-Vinblastine Run2-DMSO	NM_020327	ACVR1B		activin A receptor, type IB	0.796903 Inlier
siRNA Disorazole DMSO Run3	NM_020327	ACVR1B		activin A receptor, type IB	1.425274 Inlier
siRNA-Temozolomide Run3-DMSO	NM_145259	ACVR1C		activin A receptor, type IC	-1.209923 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology				activin A receptor, type IC	
siRNA-Temozolomide Run2-DMSO	NM_1452 59	ACVR1C		activin A receptor, type IC	-0.983382 Inlier
siRNA Disorazole DMSO Run2	NM_1452 59	ACVR1C		activin A receptor, type IC	-0.569246 Inlier
siRNA-Temozolomide Run1-DMSO	NM_1452 59	ACVR1C		activin A receptor, type IC	-0.332086 Inlier
siRNA Disorazole DMSO Run1	NM_1452 59	ACVR1C		activin A receptor, type IC	0.332086 Inlier
siRNA-Vinblastine Run1-DMSO	NM_1452 59	ACVR1C		activin A receptor, type IC	0.630499 Inlier
siRNA Disorazole DMSO Run3	NM_1452 59	ACVR1C		activin A receptor, type IC	0.718501 Inlier
siRNA-Vinblastine Run2-DMSO	NM_1452 59	ACVR1C		activin A receptor, type IC	1.023672 Inlier
siRNA Disorazole DMSO Run2	NM_0016 16	ACVR2		activin A receptor, type II	-5.474698 Outlier
siRNA-Temozolomide Run3-DMSO	NM_0016 16	ACVR2		activin A receptor, type II	-3.991083 Outlier
siRNA-Temozolomide Run1-DMSO	NM_0016 16	ACVR2		activin A receptor, type II	-0.574598 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0016 16	ACVR2		activin A receptor, type II	-0.327135 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0016 16	ACVR2		activin A receptor, type II	0.327135 Inlier
siRNA Disorazole DMSO Run3	NM_0016 16	ACVR2		activin A receptor, type II	0.541076 Inlier
siRNA Disorazole DMSO Run1	NM_0016 16	ACVR2		activin A receptor, type II	0.774402 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0016 16	ACVR2		activin A receptor, type II	2.864254 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0011 06	ACVR2B		activin A receptor, type IIB	-0.901377 Inlier
siRNA Disorazole DMSO Run2	NM_0011 06	ACVR2B		activin A receptor, type IIB	-0.644623 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_001106	ACVR2B	activin A receptor, type IIB	-0.13868	Inlier
siRNA Disorazole DMSO Run3	NM_001106	ACVR2B	activin A receptor, type IIB	-0.052326	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001106	ACVR2B	activin A receptor, type IIB	0.052325	Inlier
siRNA Disorazole DMSO Run1	NM_001106	ACVR2B	activin A receptor, type IIB	0.704377	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001106	ACVR2B	activin A receptor, type IIB	0.788935	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001106	ACVR2B	activin A receptor, type IIB	1.652498	Inlier
siRNA Disorazole DMSO Run2	NM_000020	ACVRL1	activin A receptor type II-like 1	-2.806076	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000020	ACVRL1	activin A receptor type II-like 1	-1.513353	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000020	ACVRL1	activin A receptor type II-like 1	-0.647402	Inlier
siRNA Disorazole DMSO Run1	NM_000020	ACVRL1	activin A receptor type II-like 1	-0.117045	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000020	ACVRL1	activin A receptor type II-like 1	0.117045	Inlier
siRNA Disorazole DMSO Run3	NM_000020	ACVRL1	activin A receptor type II-like 1	0.670455	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000020	ACVRL1	activin A receptor type II-like 1	0.678545	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000020	ACVRL1	activin A receptor type II-like 1	1.15362	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000066	ACY1	aminoacylase 1	-1.957713	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Temozolomide Run2- DMSO	NM_0006 66	ACY1	aminoacyl ase 1	-1.431124	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0006 66	ACY1	aminoacyl ase 1	-0.323138	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0006 66	ACY1	aminoacyl ase 1	-0.089237	Inlier
siRNA Disorazole DMSO Run3	NM_0006 66	ACY1	aminoacyl ase 1	0.089236	Inlier
siRNA Disorazole DMSO Run1	NM_0006 66	ACY1	aminoacyl ase 1	0.106152	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0006 66	ACY1	aminoacyl ase 1	1.025862	Inlier
siRNA Disorazole DMSO Run2	NM_0006 66	ACY1	aminoacyl ase 1	1.329606	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0806 58	ACY3	aspartoacyl lase (aminocycl ase) 3	-1.930198	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0806 58	ACY3	aspartoacyl lase (aminocycl ase) 3	-0.909966	Inlier
siRNA Disorazole DMSO Run3	NM_0806 58	ACY3	aspartoacyl lase (aminocycl ase) 3	-0.439034	Inlier
siRNA Disorazole DMSO Run1	NM_0806 58	ACY3	aspartoacyl lase (aminocycl ase) 3	-0.152022	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0806 58	ACY3	aspartoacyl lase (aminocycl ase) 3	0.152023	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0806 58	ACY3	aspartoacyl lase (aminocycl ase) 3	0.401511	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0806 58	ACY3	aspartoacyl lase (aminocycl ase) 3	3.182671	Inlier
siRNA Disorazole DMSO Run2	NM_0806 58	ACY3	aspartoacyl lase (aminocycl ase) 3	5.662064	Outlier
siRNA-Temozolomide Run3- DMSO	NM_1384 48	ACYP2	acylphosp hatase 2, muscle type	-1.50084	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_1384 48	ACYP2	acylphosphatase 2, muscle type	-0.731063	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1384 48	ACYP2	acylphosphatase 2, muscle type	-0.640196	Inlier
siRNA Disorazole DMSO Run3	NM_1384 48	ACYP2	acylphosphatase 2, muscle type	-0.026278	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1384 48	ACYP2	acylphosphatase 2, muscle type	0.026278	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1384 48	ACYP2	acylphosphatase 2, muscle type	0.56043	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1384 48	ACYP2	acylphosphatase 2, muscle type	0.708804	Inlier
siRNA Disorazole DMSO Run1	NM_1384 48	ACYP2	acylphosphatase 2, muscle type	0.838672	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0140 64	AD-003	AD-003	-2.004504	Inlier
siRNA Disorazole DMSO Run3	NM_0140 64	AD-003	AD-003	-1.456451	Inlier
siRNA Disorazole DMSO Run2	NM_0140 64	AD-003	AD-003	-0.760494	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0140 64	AD-003	AD-003	-0.116323	Inlier
siRNA Disorazole DMSO Run1	NM_0140 64	AD-003	AD-003	0.116323	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0140 64	AD-003	AD-003	0.151352	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0140 64	AD-003	AD-003	0.588506	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0140 64	AD-003	AD-003	1.016548	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 10983	AD-017	glycosyltransferase 8 domain containing 1	-1.467495	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_001010983	AD-017	glycosyltransferase 8 domain containing 1	-1.157778	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001010983	AD-017	glycosyltransferase 8 domain containing 1	-1.042812	Inlier
siRNA Disorazole DMSO Run1	NM_001010983	AD-017	glycosyltransferase 8 domain containing 1	-0.218219	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001010983	AD-017	glycosyltransferase 8 domain containing 1	0.21822	Inlier
siRNA Disorazole DMSO Run3	NM_001010983	AD-017	glycosyltransferase 8 domain containing 1	0.244826	Inlier
siRNA Disorazole DMSO Run2	NM_001010983	AD-017	glycosyltransferase 8 domain containing 1	0.604251	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001010983	AD-017	glycosyltransferase 8 domain containing 1	0.744749	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000022	ADA	adenosine deaminase	-1.106416	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000022	ADA	adenosine deaminase	-0.741812	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000022	ADA	adenosine deaminase	-0.607188	Inlier
siRNA Disorazole DMSO Run1	NM_000022	ADA	adenosine deaminase	-0.03352	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000022	ADA	adenosine deaminase	0.03352	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_000022	ADA	adenosine deaminase	0.205677	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000022	ADA	adenosine deaminase	1.206552	Inlier
siRNA Disorazole DMSO Run2	NM_000022	ADA	adenosine deaminase	1.556969	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001110	ADAM10	a disintegrin and metalloproteinase domain 10	-2.02211	Inlier
siRNA Disorazole DMSO Run3	NM_001110	ADAM10	a disintegrin and metalloproteinase domain 10	-0.87178	Inlier
siRNA Disorazole DMSO Run2	NM_001110	ADAM10	a disintegrin and metalloproteinase domain 10	-0.818861	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001110	ADAM10	a disintegrin and metalloproteinase domain 10	-0.162054	Inlier
siRNA Disorazole DMSO Run1	NM_001110	ADAM10	a disintegrin and metalloproteinase domain 10	0.162054	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001110	ADAM10	a disintegrin and metalloproteinase domain 10	0.406625	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0011 10	ADAM10	a disintegrin and metallopro teinase domain 10	0.530139	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0011 10	ADAM10	a disintegrin and metallopro teinase domain 10	0.966906	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0216 12	ADAM11	a disintegrin and metallopro teinase domain 11	-1.276216	Inlier
siRNA Disorazole DMSO Run1	NM_0216 12	ADAM11	a disintegrin and metallopro teinase domain 11	-0.771623	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0216 12	ADAM11	a disintegrin and metallopro teinase domain 11	-0.577377	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0216 12	ADAM11	a disintegrin and metallopro teinase domain 11	-0.437741	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0216 12	ADAM11	a disintegrin and metallopro teinase domain 11	0.437741	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0216 12	ADAM11	a disintegrin and metallopro teinase domain 11	0.526244	Inlier
siRNA Disorazole DMSO Run2	NM_0216 12	ADAM11	a disintegrin and metallopro teinase domain 11	0.850942	Inlier
siRNA Disorazole DMSO Run3	NM_0216 12	ADAM11	a disintegrin and metallopro teinase domain 11	0.982913	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0216 41	ADAM12	a disintegrin and metallopro teinase domain 12 (meltrin alpha)	-1.078357	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0216 41	ADAM12	a disintegrin and metallopro teinase domain 12 (meltrin alpha)	-0.802339	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0216 41	ADAM12	a disintegrin and metallopro teinase domain 12 (meltrin alpha)	-0.667425	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0216 41	ADAM12	a disintegrin and metallopro teinase domain 12 (meltrin alpha)	-0.011512	Inlier
siRNA Disorazole DMSO Run1	NM_0216 41	ADAM12	a disintegrin and metallopro teinase domain 12 (meltrin alpha)	0.011512	Inlier
siRNA Disorazole DMSO Run3	NM_0216 41	ADAM12	a disintegrin and metallopro teinase domain 12 (meltrin alpha)	0.144943	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0216 41	ADAM12	a disintegrin and metallopro teinase domain 12 (meltrin alpha)	0.681575	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0216 41	ADAM12	a disintegrin and metallopro teinase domain 12 (meltrin alpha)	0.696544	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_2071 97	ADAM15	a disintegrin and metallopro teinase domain 15 (metargidi n)	-1.989187	Inlier
siRNA-Temozolomide Run2-DMSO	NM_2071 97	ADAM15	a disintegrin and metallopro teinase domain 15 (metargidi n)	-0.940338	Inlier
siRNA Disorazole DMSO Run1	NM_2071 97	ADAM15	a disintegrin and metallopro teinase domain 15 (metargidi n)	-0.560324	Inlier
siRNA Disorazole DMSO Run3	NM_2071 97	ADAM15	a disintegrin and metallopro teinase domain 15 (metargidi n)	-0.322437	Inlier
siRNA-Temozolomide Run1-DMSO	NM_2071 97	ADAM15	a disintegrin and metallopro teinase domain 15 (metargidi n)	0.322437	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_2071 97	ADAM15	a disintegrin and metalloproteinase domain 15 (metargidin)	0.58332	Inlier
siRNA-Vinblastine Run2-DMSO	NM_2071 97	ADAM15	a disintegrin and metalloproteinase domain 15 (metargidin)	0.76568	Inlier
siRNA Disorazole DMSO Run2	NM_2071 97	ADAM15	a disintegrin and metalloproteinase domain 15 (metargidin)	0.7849	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0031 83	ADAM17	a disintegrin and metalloproteinase domain 17 (tumor necrosis factor, alpha, converting enzyme)	-1.545887	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0031 83	ADAM17	a disintegrin and metalloproteinase domain 17 (tumor necrosis factor, alpha, converting enzyme)	-0.870837	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_003183	ADAM17	a disintegrin and metalloproteinase domain 17 (tumor necrosis factor, alpha, converting enzyme)	-0.136707	Inlier
siRNA Disorazole DMSO Run1	NM_003183	ADAM17	a disintegrin and metalloproteinase domain 17 (tumor necrosis factor, alpha, converting enzyme)	-0.048283	Inlier
siRNA Disorazole DMSO Run2	NM_003183	ADAM17	a disintegrin and metalloproteinase domain 17 (tumor necrosis factor, alpha, converting enzyme)	0.048283	Inlier
siRNA Disorazole DMSO Run3	NM_003183	ADAM17	a disintegrin and metalloproteinase domain 17 (tumor necrosis factor, alpha, converting enzyme)	0.478163	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_003183	ADAM17	a disintegrin and metalloproteinase domain 17 (tumor necrosis factor, alpha, converting enzyme)	0.873317	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003183	ADAM17	a disintegrin and metalloproteinase domain 17 (tumor necrosis factor, alpha, converting enzyme)	1.152707	Inlier
siRNA-Temozolomide Run1-DMSO	NM_014237	ADAM18	a disintegrin and metalloproteinase domain 18	-0.962159	Inlier
siRNA-Temozolomide Run3-DMSO	NM_014237	ADAM18	a disintegrin and metalloproteinase domain 18	-0.791125	Inlier
siRNA-Temozolomide Run2-DMSO	NM_014237	ADAM18	a disintegrin and metalloproteinase domain 18	-0.613847	Inlier
siRNA Disorazole DMSO Run1	NM_014237	ADAM18	a disintegrin and metalloproteinase domain 18	-0.048607	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0142 37	ADAM18	a disintegrin and metallopro teinase domain 18	0.048607	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0142 37	ADAM18	a disintegrin and metallopro teinase domain 18	0.217174	Inlier
siRNA Disorazole DMSO Run3	NM_0142 37	ADAM18	a disintegrin and metallopro teinase domain 18	0.735153	Inlier
siRNA Disorazole DMSO Run2	NM_0142 37	ADAM18	a disintegrin and metallopro teinase domain 18	2.448522	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0230 38	ADAM19	a disintegrin and metallopro teinase domain 19 (meltrin beta)	-1.172984	Inlier
siRNA Disorazole DMSO Run2	NM_0230 38	ADAM19	a disintegrin and metallopro teinase domain 19 (meltrin beta)	-0.712023	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_023038	ADAM19	a disintegrin and metalloproteinase domain 19 (meltrin beta)	-0.296241	Inlier
siRNA Disorazole DMSO Run1	NM_023038	ADAM19	a disintegrin and metalloproteinase domain 19 (meltrin beta)	-0.267573	Inlier
siRNA Disorazole DMSO Run3	NM_023038	ADAM19	a disintegrin and metalloproteinase domain 19 (meltrin beta)	0.267573	Inlier
siRNA-Temozolomide Run1-DMSO	NM_023038	ADAM19	a disintegrin and metalloproteinase domain 19 (meltrin beta)	0.658185	Inlier
siRNA-Vinblastine Run2-DMSO	NM_023038	ADAM19	a disintegrin and metalloproteinase domain 19 (meltrin beta)	0.690815	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_023038	ADAM19	a disintegrin and metalloproteinase domain 19 (meltrin beta)	1.108581	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001464	ADAM2	a disintegrin and metalloproteinase domain 2 (fertilin beta)	-2.859423	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001464	ADAM2	a disintegrin and metalloproteinase domain 2 (fertilin beta)	-0.791603	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001464	ADAM2	a disintegrin and metalloproteinase domain 2 (fertilin beta)	-0.557397	Inlier
siRNA Disorazole DMSO Run2	NM_001464	ADAM2	a disintegrin and metalloproteinase domain 2 (fertilin beta)	-0.236129	Inlier
siRNA Disorazole DMSO Run1	NM_001464	ADAM2	a disintegrin and metalloproteinase domain 2 (fertilin beta)	0.236129	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Gene ID	Gene Name	Value	Outlier
siRNA Disorazole DMSO Run3	ADAM2	NM_001464	a disintegrin and metalloproteinase domain 2 (fertilin beta)	0.540968	Inlier
siRNA-Vinblastine Run2-DMSO	ADAM2	NM_001464	a disintegrin and metalloproteinase domain 2 (fertilin beta)	0.969521	Inlier
siRNA-Vinblastine Run1-DMSO	ADAM2	NM_001464	a disintegrin and metalloproteinase domain 2 (fertilin beta)	1.25958	Inlier
siRNA-Temozolomide Run3-DMSO	ADAM20	NM_003814	a disintegrin and metalloproteinase domain 20	-3.204317	Inlier
siRNA-Temozolomide Run2-DMSO	ADAM20	NM_003814	a disintegrin and metalloproteinase domain 20	-1.890514	Inlier
siRNA-Temozolomide Run1-DMSO	ADAM20	NM_003814	a disintegrin and metalloproteinase domain 20	-0.596681	Inlier
siRNA Disorazole DMSO Run3	ADAM20	NM_003814	a disintegrin and metalloproteinase domain 20	-0.01854	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0038 14	ADAM20	a disintegrin and metallopro teinase domain 20	0.01854	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0038 14	ADAM20	a disintegrin and metallopro teinase domain 20	0.633561	Inlier
siRNA Disorazole DMSO Run2	NM_0038 14	ADAM20	a disintegrin and metallopro teinase domain 20	0.715439	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0038 14	ADAM20	a disintegrin and metallopro teinase domain 20	1.102187	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0038 13	ADAM21	a disintegrin and metallopro teinase domain 21	-1.955153	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0038 13	ADAM21	a disintegrin and metallopro teinase domain 21	-0.295745	Inlier
siRNA Disorazole DMSO Run2	NM_0038 13	ADAM21	a disintegrin and metallopro teinase domain 21	-0.160556	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0038 13	ADAM21	a disintegrin and metallopro teinase domain 21	-0.092188	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0038 13	ADAM21	a disintegrin and metallopro teinase domain 21	0.092188	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0038 13	ADAM21	a disintegrin and metallopro teinase domain 21	1.053255	Inlier
siRNA Disorazole DMSO Run3	NM_0038 13	ADAM21	a disintegrin and metallopro teinase domain 21	1.096558	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0038 13	ADAM21	a disintegrin and metallopro teinase domain 21	1.39188	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0217 21	ADAM22	a disintegrin and metallopro teinase domain 22	-1.243713	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0217 21	ADAM22	a disintegrin and metallopro teinase domain 22	-0.585896	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0217 21	ADAM22	a disintegrin and metallopro teinase domain 22	-0.055197	Inlier
siRNA Disorazole DMSO Run3	NM_0217 21	ADAM22	a disintegrin and metallopro teinase domain 22	-0.048517	Inlier
siRNA Disorazole DMSO Run2	NM_0217 21	ADAM22	a disintegrin and metallopro teinase domain 22	0.048517	Inlier
siRNA Disorazole DMSO Run1	NM_0217 21	ADAM22	a disintegrin and metallopro teinase domain 22	0.763104	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0217 21	ADAM22	a disintegrin and metallopro teinase domain 22	1.196969	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0217 21	ADAM22	a disintegrin and metallopro teinase domain 22	1.523452	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0038 12	ADAM23	a disintegrin and metallopro teinase domain 23	-1.036673	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0038 12	ADAM23	a disintegrin and metallopro teinase domain 23	-0.905313	Inlier
siRNA Disorazole DMSO Run3	NM_0038 12	ADAM23	a disintegrin and metallopro teinase domain 23	-0.443687	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0038 12	ADAM23	a disintegrin and metallopro teinase domain 23	-0.151261	Inlier
siRNA Disorazole DMSO Run1	NM_0038 12	ADAM23	a disintegrin and metallopro teinase domain 23	0.151261	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0038 12	ADAM23	a disintegrin and metallopro teinase domain 23	0.333047	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0038 12	ADAM23	a disintegrin and metallopro teinase domain 23	1.268696	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0038 12	ADAM23	a disintegrin and metallopro teinase domain 23	1.303514	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_021778	ADAM28	a disintegrin and metalloprotease domain 28	-1.966575	Inlier
siRNA Disorazole DMSO Run2	NM_021778	ADAM28	a disintegrin and metalloprotease domain 28	-0.885313	Inlier
siRNA-Temozolomide Run2-DMSO	NM_021778	ADAM28	a disintegrin and metalloprotease domain 28	-0.277618	Inlier
siRNA Disorazole DMSO Run3	NM_021778	ADAM28	a disintegrin and metalloprotease domain 28	-0.240095	Inlier
siRNA Disorazole DMSO Run1	NM_021778	ADAM28	a disintegrin and metalloprotease domain 28	0.240095	Inlier
siRNA-Temozolomide Run1-DMSO	NM_021778	ADAM28	a disintegrin and metalloprotease domain 28	0.463687	Inlier
siRNA-Vinblastine Run2-DMSO	NM_021778	ADAM28	a disintegrin and metalloprotease domain 28	2.614812	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0217 78	ADAM28	a disintegrin and metallopro teinase domain 28	3.160318	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0217 79	ADAM29	a disintegrin and metallopro teinase domain 29	-3.807774	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0217 79	ADAM29	a disintegrin and metallopro teinase domain 29	-0.891647	Inlier
siRNA Disorazole DMSO Run2	NM_0217 79	ADAM29	a disintegrin and metallopro teinase domain 29	-0.319932	Inlier
siRNA Disorazole DMSO Run1	NM_0217 79	ADAM29	a disintegrin and metallopro teinase domain 29	-0.127775	Inlier
siRNA Disorazole DMSO Run3	NM_0217 79	ADAM29	a disintegrin and metallopro teinase domain 29	0.127776	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0217 79	ADAM29	a disintegrin and metallopro teinase domain 29	0.467067	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0217 79	ADAM29	a disintegrin and metallopro teinase domain 29	0.881933	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0217 79	ADAM29	a disintegrin and metallopro teinase domain 29	1.604636	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0217 94	ADAM30	a disintegrin and metallopro teinase domain 30	-2.664414	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0217 94	ADAM30	a disintegrin and metallopro teinase domain 30	-0.549422	Inlier
siRNA Disorazole DMSO Run2	NM_0217 94	ADAM30	a disintegrin and metallopro teinase domain 30	-0.454654	Inlier
siRNA Disorazole DMSO Run3	NM_0217 94	ADAM30	a disintegrin and metallopro teinase domain 30	-0.422244	Inlier
siRNA Disorazole DMSO Run1	NM_0217 94	ADAM30	a disintegrin and metallopro teinase domain 30	0.422243	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_021794	ADAM30	a disintegrin and metalloproteinase domain 30	0.799578	Inlier
siRNA-Vinblastine Run2-DMSO	NM_021794	ADAM30	a disintegrin and metalloproteinase domain 30	1.372013	Inlier
siRNA-Vinblastine Run1-DMSO	NM_021794	ADAM30	a disintegrin and metalloproteinase domain 30	1.85532	Inlier
siRNA-Temozolomide Run3-DMSO	NM_145004	ADAM32	a disintegrin and metalloproteinase domain 32	-1.651357	Inlier
siRNA Disorazole DMSO Run2	NM_145004	ADAM32	a disintegrin and metalloproteinase domain 32	-0.716724	Inlier
siRNA-Temozolomide Run2-DMSO	NM_145004	ADAM32	a disintegrin and metalloproteinase domain 32	-0.632276	Inlier
siRNA Disorazole DMSO Run3	NM_145004	ADAM32	a disintegrin and metalloproteinase domain 32	-0.485671	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_145004	ADAM32	a disintegrin and metalloproteinase domain 32	0.485671	Inlier
siRNA Disorazole DMSO Run1	NM_145004	ADAM32	a disintegrin and metalloproteinase domain 32	0.522706	Inlier
siRNA-Vinblastine Run2-DMSO	NM_145004	ADAM32	a disintegrin and metalloproteinase domain 32	1.756989	Inlier
siRNA-Vinblastine Run1-DMSO	NM_145004	ADAM32	a disintegrin and metalloproteinase domain 32	1.974753	Inlier
siRNA-Temozolomide Run3-DMSO	NM_153202	ADAM33	a disintegrin and metalloproteinase domain 33	-1.000024	Inlier
siRNA-Temozolomide Run2-DMSO	NM_153202	ADAM33	a disintegrin and metalloproteinase domain 33	-0.569783	Inlier
siRNA-Temozolomide Run1-DMSO	NM_153202	ADAM33	a disintegrin and metalloproteinase domain 33	-0.428285	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1532 02	ADAM33	a disintegrin and metallopro teinase domain 33	-0.009233	Inlier
siRNA Disorazole DMSO Run3	NM_1532 02	ADAM33	a disintegrin and metallopro teinase domain 33	0.009233	Inlier
siRNA Disorazole DMSO Run2	NM_1532 02	ADAM33	a disintegrin and metallopro teinase domain 33	0.779217	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1532 02	ADAM33	a disintegrin and metallopro teinase domain 33	1.607174	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1532 02	ADAM33	a disintegrin and metallopro teinase domain 33	1.781418	Inlier
siRNA Disorazole DMSO Run2	NM_0038 17	ADAM7	a disintegrin and metallopro teinase domain 7	-0.869457	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0038 17	ADAM7	a disintegrin and metallopro teinase domain 7	-0.814986	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0038 17	ADAM7	a disintegrin and metalloproteinase domain 7	-0.524429	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0038 17	ADAM7	a disintegrin and metalloproteinase domain 7	-0.243544	Inlier
siRNA Disorazole DMSO Run1	NM_0038 17	ADAM7	a disintegrin and metalloproteinase domain 7	0.243544	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0038 17	ADAM7	a disintegrin and metalloproteinase domain 7	0.534014	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0038 17	ADAM7	a disintegrin and metalloproteinase domain 7	0.925419	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0038 17	ADAM7	a disintegrin and metalloproteinase domain 7	1.034579	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0011 09	ADAM8	a disintegrin and metalloproteinase domain 8	-0.994311	Inlier
siRNA Disorazole DMSO Run2	NM_0011 09	ADAM8	a disintegrin and metalloproteinase domain 8	-0.872738	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_001109	ADAM8	a disintegrin and metalloproteinase domain 8	-0.293056	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001109	ADAM8	a disintegrin and metalloproteinase domain 8	-0.245787	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001109	ADAM8	a disintegrin and metalloproteinase domain 8	0.245787	Inlier
siRNA Disorazole DMSO Run1	NM_001109	ADAM8	a disintegrin and metalloproteinase domain 8	0.476262	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001109	ADAM8	a disintegrin and metalloproteinase domain 8	1.065498	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001109	ADAM8	a disintegrin and metalloproteinase domain 8	1.066204	Inlier
siRNA Disorazole DMSO Run2	NM_003816	ADAM9	a disintegrin and metalloproteinase domain 9 (meltrin gamma)	-0.860549	Inlier
siRNA Disorazole DMSO Run3	NM_003816	ADAM9	a disintegrin and metalloproteinase domain 9 (meltrin gamma)	-0.720635	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0038 16	ADAM9	a disintegrin and metalloproteinase domain 9 (meltrin gamma)	-0.692321	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0038 16	ADAM9	a disintegrin and metalloproteinase domain 9 (meltrin gamma)	-0.19492	Inlier
siRNA Disorazole DMSO Run1	NM_0038 16	ADAM9	a disintegrin and metalloproteinase domain 9 (meltrin gamma)	0.19492	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0038 16	ADAM9	a disintegrin and metalloproteinase domain 9 (meltrin gamma)	0.271819	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0038 16	ADAM9	a disintegrin and metalloproteinase domain 9 (meltrin gamma)	0.656679	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0038 16	ADAM9	a disintegrin and metalloproteinase domain 9 (meltrin gamma)	0.746495	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0144 79	ADAMDE C1	ADAM-like, decysin 1	-1.401072	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0144 79	ADAMDE C1	ADAM-like, decysin 1	-0.593021	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0144 79	ADAMDE C1	ADAM-like, decysin 1	-0.474991	Inlier
siRNA Disorazole DMSO Run1	NM_0144 79	ADAMDE C1	ADAM-like, decysin 1	-0.460664	Inlier
siRNA Disorazole DMSO Run2	NM_0144 79	ADAMDE C1	ADAM-like, decysin 1	0.460664	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0144 79	ADAMDE C1	ADAM-like, decysin 1	0.755979	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0144 79	ADAMDE C1	ADAM-like, decysin 1	1.756659	Inlier
siRNA Disorazole DMSO Run3	NM_0144 79	ADAMDE C1	ADAM-like, decysin 1	1.921914	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0069 88	ADAMTS1	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 1	-1.219635	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0069 88	ADAMTS1	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 1	-0.769822	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0069 88	ADAMTS1	a disintegrin- like and metallopro- tease (reprolysin type) with thrombosp ondin type	1 motif, 1	-0.579178	Inlier
siRNA Disorazole DMSO Run1	NM_0069 88	ADAMTS1	a disintegrin- like and metallopro- tease (reprolysin type) with thrombosp ondin type	1 motif, 1	-0.120024	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0069 88	ADAMTS1	a disintegrin- like and metallopro- tease (reprolysin type) with thrombosp ondin type	1 motif, 1	0.120024	Inlier
siRNA Disorazole DMSO Run2	NM_0069 88	ADAMTS1	a disintegrin- like and metallopro- tease (reprolysin type) with thrombosp ondin type	1 motif, 1	0.55898	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_006988	ADAMTS1	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 1	2.264484	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006988	ADAMTS1	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 1	2.437364	Inlier
siRNA-Temozolomide Run3-DMSO	NM_030957	ADAMTS10	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 10	-1.511537	Inlier
siRNA-Temozolomide Run2-DMSO	NM_030957	ADAMTS10	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 10	-1.171001	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

				a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type	
siRNA Disorazole DMSO Run2	NM_0309 57	ADAMTS1 0		1 motif, 10	-0.422935 Inlier

				a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type	
siRNA Disorazole DMSO Run1	NM_0309 57	ADAMTS1 0		1 motif, 10	-0.103319 Inlier

				a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type	
siRNA Disorazole DMSO Run3	NM_0309 57	ADAMTS1 0		1 motif, 10	0.103319 Inlier

				a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type	
siRNA-Temozolomide Run1- DMSO	NM_0309 57	ADAMTS1 0		1 motif, 10	0.41547 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_030957	ADAMTS10	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 10	0.926065	Inlier
-----------------------------	-----------	----------	---	----------	--------

siRNA-Vinblastine Run2-DMSO	NM_030957	ADAMTS10	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 10	1.423364	Inlier
-----------------------------	-----------	----------	---	----------	--------

siRNA-Temozolomide Run3-DMSO	NM_030955	ADAMTS12	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 12	-1.090664	Inlier
------------------------------	-----------	----------	---	-----------	--------

siRNA-Temozolomide Run2-DMSO	NM_030955	ADAMTS12	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 12	-0.75822	Inlier
------------------------------	-----------	----------	---	----------	--------

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0309 55	ADAMTS1 2	a disintegrin- like and metallopro- tease (reprolysin type) with thrombosp ondin type 1 motif, 12	-0.59078	Inlier
siRNA Disorazole DMSO Run1	NM_0309 55	ADAMTS1 2	a disintegrin- like and metallopro- tease (reprolysin type) with thrombosp ondin type 1 motif, 12	-0.261569	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0309 55	ADAMTS1 2	a disintegrin- like and metallopro- tease (reprolysin type) with thrombosp ondin type 1 motif, 12	0.261569	Inlier
siRNA Disorazole DMSO Run3	NM_0309 55	ADAMTS1 2	a disintegrin- like and metallopro- tease (reprolysin type) with thrombosp ondin type 1 motif, 12	0.470535	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_030955	ADAMTS12	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 12	0.818637	Inlier
siRNA-Vinblastine Run1-DMSO	NM_030955	ADAMTS12	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 12	0.836751	Inlier
siRNA-Temozolomide Run3-DMSO	NM_139028	ADAMTS13	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 13	-1.218225	Inlier
siRNA-Temozolomide Run2-DMSO	NM_139028	ADAMTS13	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 13	-1.028441	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_1390 28	ADAMTS1 3	a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type 1 motif, 13	-0.575951	Inlier
siRNA Disorazole DMSO Run1	NM_1390 28	ADAMTS1 3	a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type 1 motif, 13	-0.280578	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1390 28	ADAMTS1 3	a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type 1 motif, 13	0.280578	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1390 28	ADAMTS1 3	a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type 1 motif, 13	0.526186	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	28	NM_1390	ADAMTS1	3	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 13	0.773049	Inlier
siRNA-Vinblastine Run1-DMSO	28	NM_1390	ADAMTS1	3	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 13	0.930597	Inlier
siRNA-Temozolomide Run3-DMSO	55	NM_1391	ADAMTS1	4	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 14	-1.507521	Inlier
siRNA Disorazole DMSO Run1	55	NM_1391	ADAMTS1	4	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 14	-0.780099	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

				a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type	
siRNA-Temozolomide Run2- DMSO	NM_1391 55	ADAMTS1 4		1 motif, 14	-0.283649 Inlier

				a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type	
siRNA Disorazole DMSO Run2	NM_1391 55	ADAMTS1 4		1 motif, 14	-0.067862 Inlier

				a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type	
siRNA-Temozolomide Run1- DMSO	NM_1391 55	ADAMTS1 4		1 motif, 14	0.067861 Inlier

				a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type	
siRNA Disorazole DMSO Run3	NM_1391 55	ADAMTS1 4		1 motif, 14	0.568901 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type	
siRNA-Vinblastine Run2- DMSO	NM_1391 55	ADAMTS1 4	1 motif, 14	0.886703 Inlier

			a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type	
siRNA-Vinblastine Run1- DMSO	NM_1391 55	ADAMTS1 4	1 motif, 14	1.126415 Inlier

			a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type	
siRNA Disorazole DMSO Run1	NM_1390 55	ADAMTS1 5	1 motif, 15	-0.799599 Inlier

			a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type	
siRNA-Temozolomide Run3- DMSO	NM_1390 55	ADAMTS1 5	1 motif, 15	-0.732253 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_1390 55	ADAMTS1 5	a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type 1 motif, 15	-0.619018	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1390 55	ADAMTS1 5	a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type 1 motif, 15	-0.531616	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1390 55	ADAMTS1 5	a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type 1 motif, 15	0.531616	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1390 55	ADAMTS1 5	a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type 1 motif, 15	0.653219	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_1390 55	ADAMTS1 5	a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type 1 motif, 15	0.695781	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1390 55	ADAMTS1 5	a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type 1 motif, 15	0.925904	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1390 56	ADAMTS1 6	a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type 1 motif, 16	-0.880939	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1390 56	ADAMTS1 6	a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type 1 motif, 16	-0.877143	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1390 56	ADAMTS1 6	a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type 1 motif, 16	-0.471857	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1390 56	ADAMTS1 6	a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type 1 motif, 16	-0.372721	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1390 56	ADAMTS1 6	a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type 1 motif, 16	0.372721	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1390 56	ADAMTS1 6	a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type 1 motif, 16	0.470994	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

				a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type	
siRNA Disorazole DMSO Run2	NM_1390 56	ADAMTS1 6		1 motif, 16	1.611974 Inlier

				a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type	
siRNA Disorazole DMSO Run3	NM_1390 56	ADAMTS1 6		1 motif, 16	1.670618 Inlier

				a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type	
siRNA-Temozolomide Run3- DMSO	NM_1390 57	ADAMTS1 7		1 motif, 17	-3.06179 Inlier

				a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type	
siRNA Disorazole DMSO Run1	NM_1390 57	ADAMTS1 7		1 motif, 17	-2.097629 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_1390 57	ADAMTS1 7	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 17	-1.820195	Inlier
siRNA Disorazole DMSO Run3	NM_1390 57	ADAMTS1 7	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 17	-0.033065	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1390 57	ADAMTS1 7	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 17	0.033066	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1390 57	ADAMTS1 7	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 17	0.328183	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	57	NM_1390	ADAMTS1	7	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 17	0.613741	Inlier
siRNA-Vinblastine Run1-DMSO	57	NM_1390	ADAMTS1	7	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 17	0.735259	Inlier
siRNA-Temozolomide Run3-DMSO	55	NM_1993	ADAMTS1	8	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 18	-1.916652	Inlier
siRNA Disorazole DMSO Run3	55	NM_1993	ADAMTS1	8	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 18	-1.045549	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1993 55	ADAMTS1 8	a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type 1 motif, 18	-0.668709	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1993 55	ADAMTS1 8	a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type 1 motif, 18	-0.441618	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1993 55	ADAMTS1 8	a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type 1 motif, 18	0.441618	Inlier
siRNA Disorazole DMSO Run2	NM_1993 55	ADAMTS1 8	a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type 1 motif, 18	0.589837	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type	
siRNA-Vinblastine Run2- DMSO	NM_1993 55	ADAMTS1 8	1 motif, 18	0.680291 Inlier

			a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type	
siRNA-Vinblastine Run1- DMSO	NM_1993 55	ADAMTS1 8	1 motif, 18	0.826056 Inlier

			a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type	
siRNA Disorazole DMSO Run1	NM_1336 38	ADAMTS1 9	1 motif, 19	-0.988064 Inlier

			a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type	
siRNA-Temozolomide Run3- DMSO	NM_1336 38	ADAMTS1 9	1 motif, 19	-0.701284 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type	
siRNA-Temozolomide Run2- DMSO	NM_1336 38	ADAMTS1 9	1 motif, 19	-0.647716 Inlier

			a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type	
siRNA-Temozolomide Run1- DMSO	NM_1336 38	ADAMTS1 9	1 motif, 19	-0.010887 Inlier

			a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type	
siRNA Disorazole DMSO Run3	NM_1336 38	ADAMTS1 9	1 motif, 19	0.010887 Inlier

			a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type	
siRNA Disorazole DMSO Run2	NM_1336 38	ADAMTS1 9	1 motif, 19	0.273645 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type	
siRNA-Vinblastine Run1- DMSO	NM_1336 38	ADAMTS1 9	1 motif, 19	2.428447 Inlier

			a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type	
siRNA-Vinblastine Run2- DMSO	NM_1336 38	ADAMTS1 9	1 motif, 19	2.571313 Inlier

			a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type	
siRNA-Temozolomide Run3- DMSO	NM_0215 99	ADAMTS2	1 motif, 2	-1.154736 Inlier

			a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type	
siRNA Disorazole DMSO Run1	NM_0215 99	ADAMTS2	1 motif, 2	-0.887227 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type	
siRNA-Temozolomide Run2- DMSO	NM_0215 99	ADAMTS2	1 motif, 2	-0.661302 Inlier

			a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type	
siRNA Disorazole DMSO Run3	NM_0215 99	ADAMTS2	1 motif, 2	-0.009649 Inlier

			a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type	
siRNA-Temozolomide Run1- DMSO	NM_0215 99	ADAMTS2	1 motif, 2	0.009649 Inlier

			a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type	
siRNA Disorazole DMSO Run2	NM_0215 99	ADAMTS2	1 motif, 2	0.35277 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_021599	ADAMTS2	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 2	0.687698	Inlier
siRNA-Vinblastine Run2-DMSO	NM_021599	ADAMTS2	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 2	0.945667	Inlier
siRNA-Temozolomide Run3-DMSO	NM_175851	ADAMTS2	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 20	-1.360386	Inlier
siRNA-Temozolomide Run2-DMSO	NM_175851	ADAMTS2	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 20	-1.247487	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

				a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type	
siRNA Disorazole DMSO Run1	NM_1758 51	ADAMTS2 0		1 motif, 20	-0.6957 Inlier

				a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type	
siRNA-Temozolomide Run1- DMSO	NM_1758 51	ADAMTS2 0		1 motif, 20	-0.259629 Inlier

				a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type	
siRNA-Vinblastine Run1- DMSO	NM_1758 51	ADAMTS2 0		1 motif, 20	0.259629 Inlier

				a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type	
siRNA-Vinblastine Run2- DMSO	NM_1758 51	ADAMTS2 0		1 motif, 20	0.519128 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_1758 51	ADAMTS2 0	a disintegrin- like and metallopro- tease (reprolysin type) with thrombosp ondin type 1 motif, 20	0.6533	Inlier
siRNA Disorazole DMSO Run2	NM_1758 51	ADAMTS2 0	a disintegrin- like and metallopro- tease (reprolysin type) with thrombosp ondin type 1 motif, 20	1.606694	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0142 43	ADAMTS3	a disintegrin- like and metallopro- tease (reprolysin type) with thrombosp ondin type 1 motif, 3	-2.2717	Inlier
siRNA Disorazole DMSO Run1	NM_0142 43	ADAMTS3	a disintegrin- like and metallopro- tease (reprolysin type) with thrombosp ondin type 1 motif, 3	-0.524577	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0142 43	ADAMTS3	a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type 1 motif, 3	-0.441975	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0142 43	ADAMTS3	a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type 1 motif, 3	-0.111426	Inlier
siRNA Disorazole DMSO Run3	NM_0142 43	ADAMTS3	a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type 1 motif, 3	0.111426	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0142 43	ADAMTS3	a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type 1 motif, 3	0.824423	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0142 43	ADAMTS3	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 3	1.97376	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0142 43	ADAMTS3	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 3	2.130143	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0050 99	ADAMTS4	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 4	-1.002333	Inlier
siRNA Disorazole DMSO Run3	NM_0050 99	ADAMTS4	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 4	-0.614465	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0050 99	ADAMTS4	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 4	-0.439669	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0050 99	ADAMTS4	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 4	-0.43901	Inlier
siRNA Disorazole DMSO Run1	NM_0050 99	ADAMTS4	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 4	0.43901	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0050 99	ADAMTS4	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 4	0.734535	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_005099	ADAMTS4	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 4	2.357283	Inlier
-----------------------------	-----------	---------	--	----------	--------

siRNA-Vinblastine Run2-DMSO	NM_005099	ADAMTS4	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 4	2.357916	Inlier
-----------------------------	-----------	---------	--	----------	--------

siRNA-Temozolomide Run3-DMSO	NM_007038	ADAMTS5	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 5 (aggrecanase-2)	-1.962971	Inlier
------------------------------	-----------	---------	--	-----------	--------

siRNA-Temozolomide Run2-DMSO	NM_007038	ADAMTS5	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 5 (aggrecanase-2)	-1.034262	Inlier
------------------------------	-----------	---------	--	-----------	--------

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0070	ADAMTS5	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 5 (aggrecanase-2)	-0.156553	Inlier
----------------------------	---------	---------	--	-----------	--------

siRNA Disorazole DMSO Run3	NM_0070	ADAMTS5	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 5 (aggrecanase-2)	-0.045857	Inlier
----------------------------	---------	---------	--	-----------	--------

siRNA-Temozolomide DMSO Run1-	NM_0070	ADAMTS5	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 5 (aggrecanase-2)	0.045856	Inlier
-------------------------------	---------	---------	--	----------	--------

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0070 38	ADAMTS5	a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type 1 motif, 5 (aggrecan ase-2)	0.314738	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0070 38	ADAMTS5	a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type 1 motif, 5 (aggrecan ase-2)	2.411538	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0070 38	ADAMTS5	a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type 1 motif, 5 (aggrecan ase-2)	2.706691	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_1979 41	ADAMTS6	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 6	-1.581252	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1979 41	ADAMTS6	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 6	-0.269511	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1979 41	ADAMTS6	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 6	-0.244662	Inlier
siRNA Disorazole DMSO Run1	NM_1979 41	ADAMTS6	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 6	-0.070013	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_1979 41	ADAMTS6	a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type 1 motif, 6	0.070013	Inlier
siRNA Disorazole DMSO Run2	NM_0142 73	ADAMTS6	a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type 1 motif, 6	-0.809881	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0142 73	ADAMTS6	a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type 1 motif, 6	-0.70038	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0142 73	ADAMTS6	a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type 1 motif, 6	-0.64862	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0142 73	ADAMTS6	a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type	1 motif, 6	-0.111505	Inlier
siRNA Disorazole DMSO Run1	NM_0142 73	ADAMTS6	a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type	1 motif, 6	0.111504	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0142 73	ADAMTS6	a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type	1 motif, 6	0.144605	Inlier
siRNA Disorazole DMSO Run2	NM_1979 41	ADAMTS6	a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type	1 motif, 6	1.079489	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_014273	ADAMTS6	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 6	0.823837	Inlier
siRNA-Vinblastine Run2-DMSO	NM_197941	ADAMTS6	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 6	1.135511	Inlier
siRNA-Vinblastine Run1-DMSO	NM_014273	ADAMTS6	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 6	1.002006	Inlier
siRNA-Vinblastine Run1-DMSO	NM_197941	ADAMTS6	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 6	1.290924	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

			a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type	
siRNA-Temozolomide Run3- DMSO	NM_0142 72	ADAMTS7	1 motif, 7	-0.787511 Inlier

			a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type	
siRNA Disorazole DMSO Run2	NM_0142 72	ADAMTS7	1 motif, 7	-0.612583 Inlier

			a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type	
siRNA-Temozolomide Run2- DMSO	NM_0142 72	ADAMTS7	1 motif, 7	-0.522145 Inlier

			a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type	
siRNA Disorazole DMSO Run1	NM_0142 72	ADAMTS7	1 motif, 7	-0.466121 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_014272	ADAMTS7	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 7	0.466121	Inlier
siRNA Disorazole DMSO Run3	NM_014272	ADAMTS7	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 7	0.736417	Inlier
siRNA-Vinblastine Run2-DMSO	NM_014272	ADAMTS7	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 7	1.108021	Inlier
siRNA-Vinblastine Run1-DMSO	NM_014272	ADAMTS7	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 7	1.281319	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

			a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type	
siRNA-Temozolomide Run3- DMSO	NM_0070 37	ADAMTS8	1 motif, 8	-1.468873 Inlier

			a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type	
siRNA-Temozolomide Run2- DMSO	NM_0070 37	ADAMTS8	1 motif, 8	-1.079602 Inlier

			a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type	
siRNA Disorazole DMSO Run1	NM_0070 37	ADAMTS8	1 motif, 8	-0.963377 Inlier

			a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type	
siRNA-Temozolomide Run1- DMSO	NM_0070 37	ADAMTS8	1 motif, 8	-0.21301 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0070 37	ADAMTS8	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 8	0.213011	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0070 37	ADAMTS8	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 8	0.401056	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0070 37	ADAMTS8	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 8	0.538757	Inlier
siRNA Disorazole DMSO Run2	NM_0070 37	ADAMTS8	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 8	0.810243	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1829 21	ADAMTS9	a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type	1 motif, 9	-0.879404	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1829 21	ADAMTS9	a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type	1 motif, 9	-0.821451	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1829 21	ADAMTS9	a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type	1 motif, 9	-0.443096	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1829 21	ADAMTS9	a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type	1 motif, 9	-0.259151	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_1829 21	ADAMTS9	a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type 1 motif, 9	0.25915	Inlier
siRNA Disorazole DMSO Run3	NM_1829 21	ADAMTS9	a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type 1 motif, 9	0.635384	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1829 21	ADAMTS9	a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type 1 motif, 9	0.713616	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1829 21	ADAMTS9	a disintegrin- like and metallopro tease (reprolysin type) with thrombosp ondin type 1 motif, 9	1.17526	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0528 66	ADAMTSL 1	ADAMTS- like 1	-0.909071	Inlier
siRNA Disorazole DMSO Run1	NM_0528 66	ADAMTSL 1	ADAMTS- like 1	-0.439929	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA-Temozolomide Run2-DMSO	NM_0528 66	ADAMTSL 1	ADAMTS-like 1	-0.220012	Inlier
siRNA Disorazole DMSO Run2	NM_0528 66	ADAMTSL 1	ADAMTS-like 1	-0.121082	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0528 66	ADAMTSL 1	ADAMTS-like 1	0.121082	Inlier
siRNA Disorazole DMSO Run3	NM_0528 66	ADAMTSL 1	ADAMTS-like 1	0.925198	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0528 66	ADAMTSL 1	ADAMTS-like 1	1.394672	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0528 66	ADAMTSL 1	ADAMTS-like 1	1.52824	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0011 11	ADAR	adenosine deaminase, RNA-specific	-1.346641	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0011 11	ADAR	adenosine deaminase, RNA-specific	-0.424094	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0011 11	ADAR	adenosine deaminase, RNA-specific	-0.370983	Inlier
siRNA Disorazole DMSO Run1	NM_0011 11	ADAR	adenosine deaminase, RNA-specific	-0.167252	Inlier
siRNA Disorazole DMSO Run3	NM_0011 11	ADAR	adenosine deaminase, RNA-specific	0.167252	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0011 11	ADAR	adenosine deaminase, RNA-specific	0.924906	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0011 11	ADAR	adenosine deaminase, RNA-specific	7.234066	Outlier
siRNA Disorazole DMSO Run2	NM_0011 11	ADAR	adenosine deaminase, RNA-specific	7.88695	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0158 34	ADARB1	B1 (RED1 homolog rat)	-0.806955	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0158 34	ADARB1	adenosine deaminase, RNA-specific, B1 (RED1 homolog rat)	-0.542045	Inlier
siRNA Disorazole DMSO Run1	NM_0158 34	ADARB1	adenosine deaminase, RNA-specific, B1 (RED1 homolog rat)	-0.260271	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0158 34	ADARB1	adenosine deaminase, RNA-specific, B1 (RED1 homolog rat)	-0.20084	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0158 34	ADARB1	adenosine deaminase, RNA-specific, B1 (RED1 homolog rat)	0.20084	Inlier
siRNA Disorazole DMSO Run3	NM_0158 34	ADARB1	adenosine deaminase, RNA-specific, B1 (RED1 homolog rat)	1.323579	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0158 34	ADARB1	adenosine deaminase, RNA-specific, B1 (RED1 homolog rat)	2.999112	Inlier
siRNA Disorazole DMSO Run2	NM_0158 34	ADARB1	adenosine deaminase, RNA-specific, B1 (RED1 homolog rat)	3.097543	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0120 91	ADAT1	adenosine deaminase, tRNA-specific 1	-1.029723	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0120 91	ADAT1	adenosine deaminase, tRNA-specific 1	-0.902192	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0120 91	ADAT1	adenosine deaminase, tRNA-specific 1	-0.118947	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0120 91	ADAT1	adenosine deaminase, tRNA-specific 1	-0.057755	Inlier
siRNA Disorazole DMSO Run1	NM_0120 91	ADAT1	adenosine deaminase, tRNA-specific 1	0.057755	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0120 91	ADAT1	adenosine deaminase, tRNA-specific 1	0.446808	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0120 91	ADAT1	adenosine deaminase, tRNA-specific 1	1.975664	Inlier
siRNA Disorazole DMSO Run2	NM_0120 91	ADAT1	adenosine deaminase, tRNA-specific 1	2.572214	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0204 21	ADCK1	domain containing kinase 1	-2.875549	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0204 21	ADCK1	domain containing kinase 1	-1.070915	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0204 21	ADCK1	domain containing kinase 1	-0.640103	Inlier
siRNA Disorazole DMSO Run2	NM_0204 21	ADCK1	domain containing kinase 1	-0.284367	Inlier
siRNA Disorazole DMSO Run3	NM_0204 21	ADCK1	domain containing kinase 1	0.284367	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0204 21	ADCK1	aarF domain containing kinase 1	0.503795	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0204 21	ADCK1	aarF domain containing kinase 1	0.708897	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0204 21	ADCK1	aarF domain containing kinase 1	1.026585	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0528 53	ADCK2	aarF domain containing kinase 2	-1.967541	Inlier
siRNA Disorazole DMSO Run2	NM_0528 53	ADCK2	aarF domain containing kinase 2	-1.430926	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0528 53	ADCK2	aarF domain containing kinase 2	-0.61943	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0528 53	ADCK2	aarF domain containing kinase 2	-0.22488	Inlier
siRNA Disorazole DMSO Run1	NM_0528 53	ADCK2	aarF domain containing kinase 2	0.22488	Inlier
siRNA Disorazole DMSO Run3	NM_0528 53	ADCK2	aarF domain containing kinase 2	0.289408	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0528 53	ADCK2	aarF domain containing kinase 2	0.72957	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0528 53	ADCK2	aarF domain containing kinase 2	0.779393	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0248 76	ADCK4	aarF domain containing kinase 4	-0.909621	Inlier
siRNA Disorazole DMSO Run2	NM_0248 76	ADCK4	aarF domain containing kinase 4	-0.439379	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0248 76	ADCK4	aarF domain containing kinase 4	-0.260578 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0248 76	ADCK4	aarF domain containing kinase 4	-0.025621 Inlier
siRNA Disorazole DMSO Run3	NM_0248 76	ADCK4	aarF domain containing kinase 4	0.025621 Inlier
siRNA Disorazole DMSO Run1	NM_0248 76	ADCK4	aarF domain containing kinase 4	1.143642 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0248 76	ADCK4	aarF domain containing kinase 4	1.281598 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0248 76	ADCK4	aarF domain containing kinase 4	1.497922 Inlier
siRNA Disorazole DMSO Run2	NM_1749 22	ADCK5	aarF domain containing kinase 5	-1.803334 Inlier
siRNA Disorazole DMSO Run3	NM_1749 22	ADCK5	aarF domain containing kinase 5	-0.557568 Inlier
siRNA-Temozolomide Run3-DMSO	NM_1749 22	ADCK5	aarF domain containing kinase 5	-0.449059 Inlier
siRNA-Temozolomide Run1-DMSO	NM_1749 22	ADCK5	aarF domain containing kinase 5	-0.195356 Inlier
siRNA-Temozolomide Run2-DMSO	NM_1749 22	ADCK5	aarF domain containing kinase 5	0.195356 Inlier
siRNA Disorazole DMSO Run1	NM_1749 22	ADCK5	aarF domain containing kinase 5	0.791432 Inlier
siRNA-Vinblastine Run2-DMSO	NM_1749 22	ADCK5	aarF domain containing kinase 5	1.292878 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein	Value	Category
siRNA-Vinblastine Run1-DMSO	NM_1749 22	ADCK5	aarF domain containing kinase 5	1.329343	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0211 16	ADCY1	adenylate cyclase 1 (brain)	-2.342028	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0211 16	ADCY1	adenylate cyclase 1 (brain)	-2.105247	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0211 16	ADCY1	adenylate cyclase 1 (brain)	-1.719555	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0211 16	ADCY1	adenylate cyclase 1 (brain)	-0.250045	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0211 16	ADCY1	adenylate cyclase 1 (brain)	0.250045	Inlier
siRNA Disorazole DMSO Run3	NM_0211 16	ADCY1	adenylate cyclase 1 (brain)	0.3877	Inlier
siRNA Disorazole DMSO Run1	NM_0211 16	ADCY1	adenylate cyclase 1 (brain)	0.63621	Inlier
siRNA Disorazole DMSO Run2	NM_0211 16	ADCY1	adenylate cyclase 1 (brain)	0.71279	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0205 46	ADCY2	adenylate cyclase 2 (brain)	-1.175182	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0205 46	ADCY2	adenylate cyclase 2 (brain)	-0.497944	Inlier
siRNA Disorazole DMSO Run3	NM_0205 46	ADCY2	adenylate cyclase 2 (brain)	-0.401921	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0205 46	ADCY2	adenylate cyclase 2 (brain)	-0.001595	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0205 46	ADCY2	adenylate cyclase 2 (brain)	0.001595	Inlier
siRNA Disorazole DMSO Run1	NM_0205 46	ADCY2	adenylate cyclase 2 (brain)	0.851056	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0205 46	ADCY2	adenylate cyclase 2 (brain)	0.876545	Inlier
siRNA Disorazole DMSO Run2	NM_0205 46	ADCY2	adenylate cyclase 2 (brain)	1.90053	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA-Temozolomide Run2- DMSO	NM_0040 36	ADCY3	adenylate cyclase 3	-0.863369	Inlier
	NM_0040		adenylate		
siRNA Disorazole DMSO Run1	36	ADCY3	cyclase 3	-0.645057	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0040 36	ADCY3	adenylate cyclase 3	-0.468954	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0040 36	ADCY3	adenylate cyclase 3	-0.140741	Inlier
	NM_0040		adenylate		
siRNA Disorazole DMSO Run3	36	ADCY3	cyclase 3	0.140741	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0040 36	ADCY3	adenylate cyclase 3	0.703943	Inlier
	NM_0040		adenylate		
siRNA Disorazole DMSO Run2	36	ADCY3	cyclase 3	1.27725	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0040 36	ADCY3	adenylate cyclase 3	1.314607	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1392 47	ADCY4	adenylate cyclase 4	-1.086655	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1392 47	ADCY4	adenylate cyclase 4	-0.6558	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1392 47	ADCY4	adenylate cyclase 4	-0.373665	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1392 47	ADCY4	adenylate cyclase 4	-0.067	Inlier
	NM_1392		adenylate		
siRNA Disorazole DMSO Run3	47	ADCY4	cyclase 4	0.067	Inlier
	NM_1392		adenylate		
siRNA Disorazole DMSO Run1	47	ADCY4	cyclase 4	0.6932	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1392 47	ADCY4	adenylate cyclase 4	1.162988	Inlier
	NM_1392		adenylate		
siRNA Disorazole DMSO Run2	47	ADCY4	cyclase 4	1.533371	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0209 83	ADCY6	adenylate cyclase 6	-0.788549	Inlier
	NM_0209		adenylate		
siRNA Disorazole DMSO Run3	83	ADCY6	cyclase 6	-0.560451	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0209 83	ADCY6	adenylate cyclase 6	-0.433504	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0209 83	ADCY6	adenylate cyclase 6	-0.237819	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0209 83	ADCY6	adenylate cyclase 6	0.23782	Inlier
	NM_0209		adenylate		
siRNA Disorazole DMSO Run1	83	ADCY6	cyclase 6	0.833358	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0209 83	ADCY6	adenylate cyclase 6	1.176069	Inlier
	NM_0209		adenylate		
siRNA Disorazole DMSO Run2	83	ADCY6	cyclase 6	1.200222	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0011 14	ADCY7	adenylate cyclase 7	-2.248978	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0011 14	ADCY7	adenylate cyclase 7	-0.480748	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_0011		adenylate		
siRNA Disorazole DMSO Run1	14	ADCY7	cyclase 7	-0.323516	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0011		adenylate		
	14	ADCY7	cyclase 7	-0.256391	Inlier
	NM_0011		adenylate		
siRNA Disorazole DMSO Run3	14	ADCY7	cyclase 7	0.256392	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0011		adenylate		
	14	ADCY7	cyclase 7	0.868252	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0011		adenylate		
	14	ADCY7	cyclase 7	1.273863	Inlier
	NM_0011		adenylate		
siRNA Disorazole DMSO Run2	14	ADCY7	cyclase 7	2.381344	Inlier
			adenylate		
siRNA-Temozolomide Run3-DMSO	NM_0011		cyclase 8		
	15	ADCY8	(brain)	-1.441258	Inlier
			adenylate		
siRNA-Temozolomide Run2-DMSO	NM_0011		cyclase 8		
	15	ADCY8	(brain)	-0.874778	Inlier
			adenylate		
siRNA-Vinblastine Run2-DMSO	NM_0011		cyclase 8		
	15	ADCY8	(brain)	-0.153164	Inlier
			adenylate		
	NM_0011		cyclase 8		
siRNA Disorazole DMSO Run3	15	ADCY8	(brain)	-0.150861	Inlier
			adenylate		
siRNA-Temozolomide Run1-DMSO	NM_0011		cyclase 8		
	15	ADCY8	(brain)	0.150861	Inlier
			adenylate		
	NM_0011		cyclase 8		
siRNA Disorazole DMSO Run1	15	ADCY8	(brain)	0.474222	Inlier
			adenylate		
siRNA-Vinblastine Run1-DMSO	NM_0011		cyclase 8		
	15	ADCY8	(brain)	1.129779	Inlier
			adenylate		
	NM_0011		cyclase 8		
siRNA Disorazole DMSO Run2	15	ADCY8	(brain)	1.278948	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0011		adenylate		
	16	ADCY9	cyclase 9	-5.783292	Outlier
	NM_0011		adenylate		
siRNA Disorazole DMSO Run1	16	ADCY9	cyclase 9	-0.457392	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0011		adenylate		
	16	ADCY9	cyclase 9	-0.129377	Inlier
	NM_0011		adenylate		
siRNA Disorazole DMSO Run3	16	ADCY9	cyclase 9	-0.084388	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0011		adenylate		
	16	ADCY9	cyclase 9	0.084388	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0011		adenylate		
	16	ADCY9	cyclase 9	0.891608	Inlier
	NM_0011		adenylate		
siRNA Disorazole DMSO Run2	16	ADCY9	cyclase 9	3.214676	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0011		adenylate		
	16	ADCY9	cyclase 9	5.631514	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log Fold Change	Outlier Status
siRNA-Vinblastine Run2-DMSO	NM_001117	ADCYAP1	adenylate cyclase activating polypeptide 1 (pituitary)	-1.692425	Inlier
siRNA Disorazole DMSO Run3	NM_001117	ADCYAP1	adenylate cyclase activating polypeptide 1 (pituitary)	-1.34538	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001117	ADCYAP1	adenylate cyclase activating polypeptide 1 (pituitary)	-0.287134	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001117	ADCYAP1	adenylate cyclase activating polypeptide 1 (pituitary)	-0.136294	Inlier
siRNA Disorazole DMSO Run1	NM_001117	ADCYAP1	adenylate cyclase activating polypeptide 1 (pituitary)	0.136294	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001117	ADCYAP1	adenylate cyclase activating polypeptide 1 (pituitary)	0.55414	Inlier
siRNA Disorazole DMSO Run2	NM_001117	ADCYAP1	adenylate cyclase activating polypeptide 1 (pituitary)	0.79486	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001117	ADCYAP1	adenylate cyclase activating polypeptide 1 (pituitary)	0.919838	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Value	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_001118	ADCYAP1 R1	adenylate cyclase activating polypeptide 1 (pituitary) receptor type I	-1.028365	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001118	ADCYAP1 R1	adenylate cyclase activating polypeptide 1 (pituitary) receptor type I	-0.679755	Inlier
siRNA Disorazole DMSO Run2	NM_001118	ADCYAP1 R1	adenylate cyclase activating polypeptide 1 (pituitary) receptor type I	-0.54325	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001118	ADCYAP1 R1	adenylate cyclase activating polypeptide 1 (pituitary) receptor type I	-0.242455	Inlier
siRNA Disorazole DMSO Run1	NM_001118	ADCYAP1 R1	adenylate cyclase activating polypeptide 1 (pituitary) receptor type I	0.242455	Inlier
siRNA Disorazole DMSO Run3	NM_001118	ADCYAP1 R1	adenylate cyclase activating polypeptide 1 (pituitary) receptor type I	0.669245	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_001118	ADCYAP1R1	adenylate cyclase activating polypeptide 1 (pituitary) receptor type I	1.465161	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001118	ADCYAP1R1	adenylate cyclase activating polypeptide 1 (pituitary) receptor type I	1.741591	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000667	ADH1A	alcohol dehydrogenase 1A (class I), alpha polypeptide	-1.741794	Inlier
siRNA Disorazole DMSO Run1	NM_000667	ADH1A	alcohol dehydrogenase 1A (class I), alpha polypeptide	-0.876852	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000667	ADH1A	alcohol dehydrogenase 1A (class I), alpha polypeptide	-0.698539	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000667	ADH1A	alcohol dehydrogenase 1A (class I), alpha polypeptide	-0.076485	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000667	ADH1A	alcohol dehydrogenase 1A (class I), alpha polypeptide	0.076484	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0006 67	ADH1A	alcohol dehydrogenase 1A (class I), alpha polypeptide	0.562625	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0006 67	ADH1A	alcohol dehydrogenase 1A (class I), alpha polypeptide	0.650461	Inlier
siRNA Disorazole DMSO Run2	NM_0006 67	ADH1A	alcohol dehydrogenase 1A (class I), alpha polypeptide	1.945841	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0006 68	ADH1B	alcohol dehydrogenase IB (class I), beta polypeptide	-2.285726	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0006 68	ADH1B	alcohol dehydrogenase IB (class I), beta polypeptide	-1.994909	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0006 68	ADH1B	alcohol dehydrogenase IB (class I), beta polypeptide	-0.962922	Inlier
siRNA Disorazole DMSO Run1	NM_0006 68	ADH1B	alcohol dehydrogenase IB (class I), beta polypeptide	-0.162993	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_000668	ADH1B	alcohol dehydrogenase IB (class I), beta polypeptide	0.162993	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000668	ADH1B	alcohol dehydrogenase IB (class I), beta polypeptide	0.298475	Inlier
siRNA Disorazole DMSO Run2	NM_000668	ADH1B	alcohol dehydrogenase IB (class I), beta polypeptide	0.584941	Inlier
siRNA Disorazole DMSO Run3	NM_000668	ADH1B	alcohol dehydrogenase IB (class I), beta polypeptide	0.764059	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000669	ADH1C	alcohol dehydrogenase 1C (class I), gamma polypeptide	-0.98328	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000669	ADH1C	alcohol dehydrogenase 1C (class I), gamma polypeptide	-0.518919	Inlier
siRNA Disorazole DMSO Run2	NM_000669	ADH1C	alcohol dehydrogenase 1C (class I), gamma polypeptide	-0.406202	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_000669	ADH1C	alcohol dehydrogenase 1C (class I), gamma polypeptide	-0.200668	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000669	ADH1C	alcohol dehydrogenase 1C (class I), gamma polypeptide	0.200669	Inlier
siRNA Disorazole DMSO Run1	NM_000669	ADH1C	alcohol dehydrogenase 1C (class I), gamma polypeptide	0.830081	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000669	ADH1C	alcohol dehydrogenase 1C (class I), gamma polypeptide	1.185844	Inlier
siRNA Disorazole DMSO Run3	NM_000669	ADH1C	alcohol dehydrogenase 1C (class I), gamma polypeptide	1.621862	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000670	ADH4	alcohol dehydrogenase 4 (class II), pi polypeptide	-1.500577	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000670	ADH4	alcohol dehydrogenase 4 (class II), pi polypeptide	-0.655769	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_000670	ADH4	alcohol dehydrogenase 4 (class II), pi polypeptide	-0.499433	Inlier
siRNA Disorazole DMSO Run1	NM_000670	ADH4	alcohol dehydrogenase 4 (class II), pi polypeptide	-0.190497	Inlier
siRNA Disorazole DMSO Run3	NM_000670	ADH4	alcohol dehydrogenase 4 (class II), pi polypeptide	0.190497	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000670	ADH4	alcohol dehydrogenase 4 (class II), pi polypeptide	0.693231	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000670	ADH4	alcohol dehydrogenase 4 (class II), pi polypeptide	1.227056	Inlier
siRNA Disorazole DMSO Run2	NM_000670	ADH4	alcohol dehydrogenase 5 (class III), chi polypeptide	1.519653	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000671	ADH5	alcohol dehydrogenase 5 (class III), chi polypeptide	-3.493816	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0006 71	ADH5	alcohol dehydroge nase 5 (class III), chi polypeptid e	-0.696985	Inlier
siRNA Disorazole DMSO Run3	NM_0006 71	ADH5	alcohol dehydroge nase 5 (class III), chi polypeptid e	-0.447152	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0006 71	ADH5	alcohol dehydroge nase 5 (class III), chi polypeptid e	-0.439365	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0006 71	ADH5	alcohol dehydroge nase 5 (class III), chi polypeptid e	0.439366	Inlier
siRNA Disorazole DMSO Run1	NM_0006 71	ADH5	alcohol dehydroge nase 5 (class III), chi polypeptid e	0.652015	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0006 71	ADH5	alcohol dehydroge nase 5 (class III), chi polypeptid e	0.99104	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0006 71	ADH5	alcohol dehydroge nase 5 (class III), chi polypeptid e	2.843676	Inlier
siRNA-Temozolomide Run2- DMSO	XM_20835 2	ADH5B	alcohol dehydroge nase 5B	-1.280912	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology				alcohol dehydrogenase 5B	
siRNA-Temozolomide Run1-DMSO	XM_20835 2	ADH5B	nase 5B	-0.740561	Inlier
siRNA-Temozolomide Run3-DMSO	XM_20835 2	ADH5B	nase 5B	-0.608438	Inlier
siRNA Disorazole DMSO Run1	XM_20835 2	ADH5B	nase 5B	-0.202614	Inlier
siRNA-Vinblastine Run2-DMSO	XM_20835 2	ADH5B	nase 5B	0.202615	Inlier
siRNA-Vinblastine Run1-DMSO	XM_20835 2	ADH5B	nase 5B	0.217013	Inlier
siRNA Disorazole DMSO Run3	XM_20835 2	ADH5B	nase 5B	1.362661	Inlier
siRNA Disorazole DMSO Run2	XM_20835 2	ADH5B	nase 5B	2.080034	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0006 72	ADH6	nase 6 (class V)	-0.676028	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0006 72	ADH6	nase 6 (class V)	-0.672972	Inlier
siRNA Disorazole DMSO Run3	NM_0006 72	ADH6	nase 6 (class V)	-0.671815	Inlier
siRNA Disorazole DMSO Run2	NM_0006 72	ADH6	nase 6 (class V)	-0.378152	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0006 72	ADH6	nase 6 (class V)	0.378152	Inlier
siRNA Disorazole DMSO Run1	NM_0006 72	ADH6	nase 6 (class V)	0.692574	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0006 72	ADH6	nase 6 (class V)	0.782266	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_000672	ADH6	alcohol dehydrogenase 6 (class V)	1.078606	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000673	ADH7	alcohol dehydrogenase 7 (class IV), mu or sigma polypeptide	-0.918516	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000673	ADH7	alcohol dehydrogenase 7 (class IV), mu or sigma polypeptide	-0.738992	Inlier
siRNA Disorazole DMSO Run2	NM_000673	ADH7	alcohol dehydrogenase 7 (class IV), mu or sigma polypeptide	-0.610008	Inlier
siRNA Disorazole DMSO Run3	NM_000673	ADH7	alcohol dehydrogenase 7 (class IV), mu or sigma polypeptide	-0.268482	Inlier
siRNA Disorazole DMSO Run1	NM_000673	ADH7	alcohol dehydrogenase 7 (class IV), mu or sigma polypeptide	0.268482	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000673	ADH7	alcohol dehydrogenase 7 (class IV), mu or sigma polypeptide	0.434368	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_000673	ADH7	alcohol dehydrogenase 7 (class IV), mu or sigma polypeptide	1.388247	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000673	ADH7	alcohol dehydrogenase 7 (class IV), mu or sigma polypeptide	1.732716	Inlier
siRNA-Temozolomide Run3-DMSO	NM_144650	ADHFE1	alcohol dehydrogenase, iron containing, 1	-2.12346	Inlier
siRNA-Temozolomide Run2-DMSO	NM_144650	ADHFE1	alcohol dehydrogenase, iron containing, 1	-0.992796	Inlier
siRNA-Temozolomide Run1-DMSO	NM_144650	ADHFE1	alcohol dehydrogenase, iron containing, 1	-0.474269	Inlier
siRNA Disorazole DMSO Run1	NM_144650	ADHFE1	alcohol dehydrogenase, iron containing, 1	-0.14174	Inlier
siRNA-Vinblastine Run1-DMSO	NM_144650	ADHFE1	alcohol dehydrogenase, iron containing, 1	0.141741	Inlier
siRNA-Vinblastine Run2-DMSO	NM_144650	ADHFE1	alcohol dehydrogenase, iron containing, 1	0.479646	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_1446 50	ADHFE1	1	alcohol dehydrogenase, iron containing,	0.869354	Inlier
siRNA Disorazole DMSO Run2	NM_1446 50	ADHFE1	1	alcohol dehydrogenase, iron containing,	1.894605	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0159 99	ADIPOR1	1	adiponectin receptor	-1.505838	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0159 99	ADIPOR1	1	adiponectin receptor	-0.761096	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0159 99	ADIPOR1	1	adiponectin receptor	-0.133814	Inlier
siRNA Disorazole DMSO Run1	NM_0159 99	ADIPOR1	1	adiponectin receptor	-0.045931	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0159 99	ADIPOR1	1	adiponectin receptor	0.045932	Inlier
siRNA Disorazole DMSO Run3	NM_0159 99	ADIPOR1	1	adiponectin receptor	0.587904	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0159 99	ADIPOR1	1	adiponectin receptor	1.678247	Inlier
siRNA Disorazole DMSO Run2	NM_0159 99	ADIPOR1	1	adiponectin receptor	1.897256	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0245 51	ADIPOR2	2	adiponectin receptor	-1.829967	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0245 51	ADIPOR2	2	adiponectin receptor	-0.905179	Inlier
siRNA Disorazole DMSO Run3	NM_0245 51	ADIPOR2	2	adiponectin receptor	-0.305275	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0245 51	ADIPOR2	2	adiponectin receptor	-0.165364	Inlier
siRNA Disorazole DMSO Run1	NM_0245 51	ADIPOR2	2	adiponectin receptor	0.165364	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology					
siRNA-Temozolomide Run1-DMSO	NM_0245 51	ADIPOR2	adiponectin receptor 2	0.443821	Inlier
siRNA Disorazole DMSO Run2	NM_0245 51	ADIPOR2	adiponectin receptor 2	3.721748	Outlier
siRNA-Vinblastine Run1-DMSO	NM_0245 51	ADIPOR2	adiponectin receptor 2	3.867941	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0067 21	ADK	adenosine kinase	-0.818189	Inlier
siRNA Disorazole DMSO Run2	NM_0067 21	ADK	adenosine kinase	-0.530811	Inlier
siRNA Disorazole DMSO Run3	NM_0067 21	ADK	adenosine kinase	-0.462399	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0067 21	ADK	adenosine kinase	-0.064157	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0067 21	ADK	adenosine kinase	0.064157	Inlier
siRNA Disorazole DMSO Run1	NM_0067 21	ADK	adenosine kinase	0.832366	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0067 21	ADK	adenosine kinase	1.510928	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0067 21	ADK	adenosine kinase	1.625426	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0072 64	ADMR	adrenomedullin receptor	-0.968604	Inlier
siRNA Disorazole DMSO Run2	NM_0072 64	ADMR	adrenomedullin receptor	-0.782525	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0072 64	ADMR	adrenomedullin receptor	-0.566475	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0072 64	ADMR	adrenomedullin receptor	-0.33303	Inlier
siRNA Disorazole DMSO Run3	NM_0072 64	ADMR	adrenomedullin receptor	0.33303	Inlier
siRNA Disorazole DMSO Run1	NM_0072 64	ADMR	adrenomedullin receptor	0.509274	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0072 64	ADMR	adrenomedullin receptor	0.915492	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0072 64	ADMR	adrenomedullin receptor	1.127044	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0006 74	ADORA1	adenosine A1 receptor	-0.779608	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology				adenosine	
siRNA-Temozolomide Run2-DMSO	NM_0006 74	ADORA1	receptor	adenosine A1	-0.685525 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0006 74	ADORA1	receptor	adenosine A1	-0.453075 Inlier
siRNA Disorazole DMSO Run2	NM_0006 74	ADORA1	receptor	adenosine A1	-0.273613 Inlier
siRNA Disorazole DMSO Run1	NM_0006 74	ADORA1	receptor	adenosine A1	0.273613 Inlier
siRNA Disorazole DMSO Run3	NM_0006 74	ADORA1	receptor	adenosine A1	0.663475 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0006 74	ADORA1	receptor	adenosine A1	1.159375 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0006 74	ADORA1	receptor	adenosine A1	1.172069 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0006 75	ADORA2A	receptor	adenosine A2a	-0.832233 Inlier
siRNA Disorazole DMSO Run2	NM_0006 75	ADORA2A	receptor	adenosine A2a	-0.740434 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0006 75	ADORA2A	receptor	adenosine A2a	-0.608566 Inlier
siRNA Disorazole DMSO Run1	NM_0006 75	ADORA2A	receptor	adenosine A2a	-0.081513 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0006 75	ADORA2A	receptor	adenosine A2a	0.081512 Inlier
siRNA Disorazole DMSO Run3	NM_0006 75	ADORA2A	receptor	adenosine A2a	0.306812 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0006 75	ADORA2A	receptor	adenosine A2a	0.824827 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0006 75	ADORA2A	receptor	adenosine A2a	0.990473 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0006 76	ADORA2B	receptor	adenosine A2b	-0.864284 Inlier
siRNA Disorazole DMSO Run2	NM_0006 76	ADORA2B	receptor	adenosine A2b	-0.484716 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology					
siRNA-Temozolomide Run2-DMSO	NM_0006 76	ADORA2B	adenosine A2b receptor	-0.346974	Inlier
siRNA Disorazole DMSO Run1	NM_0006 76	ADORA2B	adenosine A2b receptor	-0.038211	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0006 76	ADORA2B	adenosine A2b receptor	0.038211	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0006 76	ADORA2B	adenosine A2b receptor	1.691679	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0006 76	ADORA2B	adenosine A2b receptor	1.733773	Inlier
siRNA Disorazole DMSO Run3	NM_0006 76	ADORA2B	adenosine A2b receptor	1.806397	Inlier
siRNA Disorazole DMSO Run2	NM_0206 83	ADORA3	adenosine A3 receptor	-0.85466	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0206 83	ADORA3	adenosine A3 receptor	-0.78306	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0206 83	ADORA3	adenosine A3 receptor	-0.354935	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0206 83	ADORA3	adenosine A3 receptor	-0.136989	Inlier
siRNA Disorazole DMSO Run3	NM_0206 83	ADORA3	adenosine A3 receptor	0.136989	Inlier
siRNA Disorazole DMSO Run1	NM_0206 83	ADORA3	adenosine A3 receptor	0.56594	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0206 83	ADORA3	adenosine A3 receptor	1.385621	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0206 83	ADORA3	adenosine A3 receptor	1.959434	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0011 25	ADPRH	ADP- ribosylargi nine hydrolase	-1.701353	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0011 25	ADPRH	ADP- ribosylargi nine hydrolase	-1.409846	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0011 25	ADPRH	ADP- ribosylargi nine hydrolase	-0.297537	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0011 25	ADPRH	ADP- ribosylargi nine hydrolase	-0.026809	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0011 25	ADPRH	ADP- ribosylargi nine hydrolase	0.026809	Inlier
siRNA Disorazole DMSO Run3	NM_0011 25	ADPRH	ADP- ribosylargi nine hydrolase	0.269468	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0011 25	ADPRH	ADP- ribosylargi nine hydrolase	1.051463	Inlier
siRNA Disorazole DMSO Run2	NM_0011 25	ADPRH	ADP- ribosylargi nine hydrolase	2.143912	Inlier
siRNA Disorazole DMSO Run1	NM_1991 62	ADPRHL1	ADP- ribosylhydr olase like 1	-1.36279	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1991 62	ADPRHL1	ADP- ribosylhydr olase like 1	-0.868895	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1991 62	ADPRHL1	ADP- ribosylhydr olase like 1	-0.29549	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1991 62	ADPRHL1	ADP- ribosylhydr olase like 1	-0.148981	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1991 62	ADPRHL1	ADP- ribosylhydr olase like 1	0.14898	Inlier
siRNA Disorazole DMSO Run3	NM_1991 62	ADPRHL1	ADP- ribosylhydr olase like 1	0.480105	Inlier
siRNA Disorazole DMSO Run2	NM_1991 62	ADPRHL1	ADP- ribosylhydr olase like 1	3.17229	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log Fold Change	Outlier Status
siRNA-Vinblastine Run1-DMSO	NM_199162	ADPRHL1	ADP-ribosylhydrolase like	3.24978	Inlier
siRNA-Temozolomide Run3-DMSO	NM_033302	ADRA1A	adrenergic, alpha-1A-, receptor	-0.830629	Inlier
siRNA Disorazole DMSO Run2	NM_033302	ADRA1A	adrenergic, alpha-1A-, receptor	-0.788465	Inlier
siRNA Disorazole DMSO Run3	NM_033302	ADRA1A	adrenergic, alpha-1A-, receptor	-0.093261	Inlier
siRNA-Temozolomide Run1-DMSO	NM_033302	ADRA1A	adrenergic, alpha-1A-, receptor	-0.04418	Inlier
siRNA-Temozolomide Run2-DMSO	NM_033302	ADRA1A	adrenergic, alpha-1A-, receptor	0.04418	Inlier
siRNA Disorazole DMSO Run1	NM_033302	ADRA1A	adrenergic, alpha-1A-, receptor	0.560535	Inlier
siRNA-Vinblastine Run1-DMSO	NM_033302	ADRA1A	adrenergic, alpha-1A-, receptor	0.795179	Inlier
siRNA-Vinblastine Run2-DMSO	NM_033302	ADRA1A	adrenergic, alpha-1A-, receptor	1.129036	Inlier
siRNA Disorazole DMSO Run2	NM_000679	ADRA1B	adrenergic, alpha-1B-, receptor	-3.965173	Outlier
siRNA-Temozolomide Run3-DMSO	NM_000679	ADRA1B	adrenergic, alpha-1B-, receptor	-0.93689	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000679	ADRA1B	adrenergic, alpha-1B-, receptor	-0.780434	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000679	ADRA1B	adrenergic, alpha-1B-, receptor	-0.110811	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_000679	ADRA1B	adrenergic , alpha-1B- , receptor	0.110811	Inlier
siRNA Disorazole DMSO Run1	NM_000679	ADRA1B	adrenergic , alpha-1B- , receptor	0.235425	Inlier
siRNA Disorazole DMSO Run3	NM_000679	ADRA1B	adrenergic , alpha-1B- , receptor	0.637753	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000679	ADRA1B	adrenergic , alpha-1B- , receptor	0.711247	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000678	ADRA1D	adrenergic , alpha-1D- , receptor	-1.791965	Inlier
siRNA Disorazole DMSO Run2	NM_000678	ADRA1D	adrenergic , alpha-1D- , receptor	-0.795489	Inlier
siRNA Disorazole DMSO Run1	NM_000678	ADRA1D	adrenergic , alpha-1D- , receptor	-0.379877	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000678	ADRA1D	adrenergic , alpha-1D- , receptor	-0.231969	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000678	ADRA1D	adrenergic , alpha-1D- , receptor	0.231969	Inlier
siRNA Disorazole DMSO Run3	NM_000678	ADRA1D	adrenergic , alpha-1D- , receptor	0.553511	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000678	ADRA1D	adrenergic , alpha-1D- , receptor	1.150146	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000678	ADRA1D	adrenergic , alpha-1D- , receptor	1.631489	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000681	ADRA2A	adrenergic , alpha-2A- , receptor	-1.336981	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0006 81	ADRA2A	adrenergic , alpha-2A- , receptor	-1.232742	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0006 81	ADRA2A	adrenergic , alpha-2A- , receptor	-0.080169	Inlier
siRNA Disorazole DMSO Run1	NM_0006 81	ADRA2A	adrenergic , alpha-2A- , receptor	-0.0142	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0006 81	ADRA2A	adrenergic , alpha-2A- , receptor	0.014201	Inlier
siRNA Disorazole DMSO Run3	NM_0006 81	ADRA2A	adrenergic , alpha-2A- , receptor	0.445427	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0006 81	ADRA2A	adrenergic , alpha-2A- , receptor	0.903573	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0006 81	ADRA2A	adrenergic , alpha-2A- , receptor	1.232679	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0006 82	ADRA2B	adrenergic , alpha-2B- , receptor	-0.994169	Inlier
siRNA Disorazole DMSO Run2	NM_0006 82	ADRA2B	adrenergic , alpha-2B- , receptor	-0.793209	Inlier
siRNA Disorazole DMSO Run1	NM_0006 82	ADRA2B	adrenergic , alpha-2B- , receptor	-0.651301	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0006 82	ADRA2B	adrenergic , alpha-2B- , receptor	-0.143516	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0006 82	ADRA2B	adrenergic , alpha-2B- , receptor	0.143516	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0006 82	ADRA2B	adrenergic , alpha-2B- , receptor	0.511741	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0006 82	ADRA2B	adrenergic , alpha-2B- , receptor	0.697699	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0006 82	ADRA2B	adrenergic , alpha-2B- , receptor	1.059878	Inlier
siRNA Disorazole DMSO Run1	NM_0006 83	ADRA2C	adrenergic , alpha-2C- , receptor	-0.990341	Inlier
siRNA Disorazole DMSO Run2	NM_0006 83	ADRA2C	adrenergic , alpha-2C- , receptor	-0.978091	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0006 83	ADRA2C	adrenergic , alpha-2C- , receptor	-0.370909	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0006 83	ADRA2C	adrenergic , alpha-2C- , receptor	-0.017123	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0006 83	ADRA2C	adrenergic , alpha-2C- , receptor	0.017123	Inlier
siRNA Disorazole DMSO Run3	NM_0006 83	ADRA2C	adrenergic , alpha-2C- , receptor	0.172669	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0006 83	ADRA2C	adrenergic , alpha-2C- , receptor	1.15837	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0006 83	ADRA2C	adrenergic , alpha-2C- , receptor	1.446047	Inlier
siRNA Disorazole DMSO Run2	NM_0006 84	ADRB1	adrenergic , beta-1-, receptor	-2.722863	Inlier
siRNA Disorazole DMSO Run3	NM_0006 84	ADRB1	adrenergic , beta-1-, receptor	-1.205965	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0006 84	ADRB1	adrenergic , beta-1-, receptor	-0.396122	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0006 84	ADRB1	adrenergic , beta-1-, receptor	-0.189781	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Name	Gene Description	Value	Category
siRNA Disorazole DMSO Run1	NM_0006	84	ADRB1	adrenergic, beta-1-, receptor	0.189782	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0006	84	ADRB1	adrenergic, beta-1-, receptor	0.395866	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0006	84	ADRB1	adrenergic, beta-1-, receptor	0.952878	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0006	84	ADRB1	adrenergic, beta-1-, receptor	1.315737	Inlier
siRNA Disorazole DMSO Run2	NM_0000	24	ADRB2	adrenergic, beta-2-, receptor, surface	-6.150169	Outlier
siRNA Disorazole DMSO Run1	NM_0000	24	ADRB2	adrenergic, beta-2-, receptor, surface	-0.701835	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0000	24	ADRB2	adrenergic, beta-2-, receptor, surface	-0.647165	Inlier
siRNA Disorazole DMSO Run3	NM_0000	24	ADRB2	adrenergic, beta-2-, receptor, surface	-0.112424	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0000	24	ADRB2	adrenergic, beta-2-, receptor, surface	0.112426	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0000	24	ADRB2	adrenergic, beta-2-, receptor, surface	0.491491	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0000	24	ADRB2	adrenergic, beta-2-, receptor, surface	7.831816	Outlier
siRNA-Vinblastine Run1-DMSO	NM_0000	24	ADRB2	adrenergic, beta-2-, receptor, surface	8.862352	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0000	25	ADRB3	adrenergic, beta-3-, receptor	-1.126809	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0000	25	ADRB3	adrenergic, beta-3-, receptor	-0.868268	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Gene	Value	Category
siRNA Disorazole DMSO Run1	ADRB3	NM_000025	adrenergic , beta-3-, receptor	-0.169078	Inlier
siRNA Disorazole DMSO Run2	ADRB3	NM_000025	adrenergic , beta-3-, receptor	-0.122744	Inlier
siRNA Disorazole DMSO Run3	ADRB3	NM_000025	adrenergic , beta-3-, receptor	0.122744	Inlier
siRNA-Temozolomide Run2-DMSO	ADRB3	NM_000025	adrenergic , beta-3-, receptor	0.480732	Inlier
siRNA-Vinblastine Run2-DMSO	ADRB3	NM_000025	adrenergic , beta-3-, receptor	1.462394	Inlier
siRNA-Vinblastine Run1-DMSO	ADRB3	NM_000025	adrenergic , beta-3-, receptor	2.146661	Inlier
siRNA-Temozolomide Run3-DMSO	ADRBK1	NM_001619	adrenergic , beta, receptor kinase 1	-0.890359	Inlier
siRNA Disorazole DMSO Run2	ADRBK1	NM_001619	adrenergic , beta, receptor kinase 1	-0.458641	Inlier
siRNA Disorazole DMSO Run3	ADRBK1	NM_001619	adrenergic , beta, receptor kinase 1	-0.324673	Inlier
siRNA-Temozolomide Run2-DMSO	ADRBK1	NM_001619	adrenergic , beta, receptor kinase 1	-0.050232	Inlier
siRNA-Temozolomide Run1-DMSO	ADRBK1	NM_001619	adrenergic , beta, receptor kinase 1	0.050232	Inlier
siRNA Disorazole DMSO Run1	ADRBK1	NM_001619	adrenergic , beta, receptor kinase 1	1.746969	Inlier
siRNA-Vinblastine Run1-DMSO	ADRBK1	NM_001619	adrenergic , beta, receptor kinase 1	2.143608	Inlier
siRNA-Vinblastine Run2-DMSO	ADRBK1	NM_001619	adrenergic , beta, receptor kinase 1	2.425923	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0051 60	ADRBK2	adrenergic , beta, receptor kinase 2	-0.861698	Inlier
siRNA Disorazole DMSO Run2	NM_0051 60	ADRBK2	adrenergic , beta, receptor kinase 2	-0.487302	Inlier
siRNA Disorazole DMSO Run3	NM_0051 60	ADRBK2	adrenergic , beta, receptor kinase 2	-0.445788	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0051 60	ADRBK2	adrenergic , beta, receptor kinase 2	-0.185414	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0051 60	ADRBK2	adrenergic , beta, receptor kinase 2	0.185415	Inlier
siRNA Disorazole DMSO Run1	NM_0051 60	ADRBK2	adrenergic , beta, receptor kinase 2	2.059396	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0051 60	ADRBK2	adrenergic , beta, receptor kinase 2	2.885689	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0051 60	ADRBK2	adrenergic , beta, receptor kinase 2	3.238241	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0000 26	ADSL	adenylosu ccinate lyase	-0.706926	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0000 26	ADSL	adenylosu ccinate lyase	-0.642074	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0000 26	ADSL	adenylosu ccinate lyase	-0.416227	Inlier
siRNA Disorazole DMSO Run3	NM_0000 26	ADSL	adenylosu ccinate lyase	-0.178149	Inlier
siRNA Disorazole DMSO Run1	NM_0000 26	ADSL	adenylosu ccinate lyase	0.178149	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0000 26	ADSL	adenylosu ccinate lyase	0.8052	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	Gene ID	Gene Name	Gene Description	Log Fold Change	Outlier Status
siRNA-Vinblastine Run1-DMSO	NM_000026	ADSL	adenylosuccinate lyase	1.400191	Inlier
siRNA Disorazole DMSO Run2	NM_000026	ADSL	adenylosuccinate lyase	1.69484	Inlier
siRNA Disorazole DMSO Run3	NM_001126	ADSS	adenylosuccinate synthase	-1.490709	Inlier
siRNA Disorazole DMSO Run1	NM_001126	ADSS	adenylosuccinate synthase	-1.165771	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001126	ADSS	adenylosuccinate synthase	-0.183229	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001126	ADSS	adenylosuccinate synthase	-0.036872	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001126	ADSS	adenylosuccinate synthase	0.036872	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001126	ADSS	adenylosuccinate synthase	0.053085	Inlier
siRNA Disorazole DMSO Run2	NM_001126	ADSS	adenylosuccinate synthase	2.520876	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001126	ADSS	adenylosuccinate synthase	2.723224	Inlier
siRNA-Temozolomide Run2-DMSO	NM_199165	ADSSL1	adenylosuccinate synthase like 1	-1.19828	Inlier
siRNA Disorazole DMSO Run1	NM_199165	ADSSL1	adenylosuccinate synthase like 1	-0.929142	Inlier
siRNA-Temozolomide Run3-DMSO	NM_199165	ADSSL1	adenylosuccinate synthase like 1	-0.419858	Inlier
siRNA-Temozolomide Run1-DMSO	NM_199165	ADSSL1	adenylosuccinate synthase like 1	-0.25835	Inlier
siRNA Disorazole DMSO Run3	NM_199165	ADSSL1	adenylosuccinate synthase like 1	0.258349	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_1991 65	ADSSL1	adenylosuccinate synthase like 1	0.300359	Inlier
siRNA Disorazole DMSO Run2	NM_1991 65	ADSSL1	adenylosuccinate synthase like 1	0.959959	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1991 65	ADSSL1	adenylosuccinate synthase like 1	1.080287	Inlier
siRNA Disorazole DMSO Run1	NM_0011 29	AEBP1	AE binding protein 1	-1.446922	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0011 29	AEBP1	AE binding protein 1	-1.421752	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0011 29	AEBP1	AE binding protein 1	-0.876821	Inlier
siRNA Disorazole DMSO Run2	NM_0011 29	AEBP1	AE binding protein 1	-0.077245	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0011 29	AEBP1	AE binding protein 1	0.077245	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0011 29	AEBP1	AE binding protein 1	0.215626	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0011 29	AEBP1	AE binding protein 1	0.472179	Inlier
siRNA Disorazole DMSO Run3	NM_0011 29	AEBP1	AE binding protein 1	1.436193	Inlier
siRNA-Temozolomide Run3-DMSO	NM_2012 52	AFAR3	AFAR3	-2.214432	Inlier
siRNA-Temozolomide Run2-DMSO	NM_2012 52	AFAR3	AFAR3	-1.32686	Inlier
siRNA Disorazole DMSO Run1	NM_2012 52	AFAR3	AFAR3	-0.83848	Inlier
siRNA Disorazole DMSO Run3	NM_2012 52	AFAR3	AFAR3	-0.093155	Inlier
siRNA-Temozolomide Run1-DMSO	NM_2012 52	AFAR3	AFAR3	0.093155	Inlier
siRNA Disorazole DMSO Run2	NM_2012 52	AFAR3	AFAR3	0.34841	Inlier
siRNA-Vinblastine Run2-DMSO	NM_2012 52	AFAR3	AFAR3	0.51052	Inlier
siRNA-Vinblastine Run1-DMSO	NM_2012 52	AFAR3	AFAR3	1.247731	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log Fold Change	Outlier Status
siRNA Disorazole DMSO Run1	NM_001132	AFG3L1	AFG3 ATPase family gene 3-like 1 (yeast)	-1.521126	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001132	AFG3L1	AFG3 ATPase family gene 3-like 1 (yeast)	-0.720282	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001132	AFG3L1	AFG3 ATPase family gene 3-like 1 (yeast)	-0.579954	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001132	AFG3L1	AFG3 ATPase family gene 3-like 1 (yeast)	-0.359075	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001132	AFG3L1	AFG3 ATPase family gene 3-like 1 (yeast)	0.359076	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001132	AFG3L1	AFG3 ATPase family gene 3-like 1 (yeast)	0.628718	Inlier
siRNA Disorazole DMSO Run2	NM_001132	AFG3L1	AFG3 ATPase family gene 3-like 1 (yeast)	1.377431	Inlier
siRNA Disorazole DMSO Run3	NM_001132	AFG3L1	AFG3 ATPase family gene 3-like 1 (yeast)	1.84475	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Family	Score	Outlier Type
siRNA-Temozolomide Run3-DMSO	NM_006796	AFG3L2	AFG3 ATPase family gene 3-like 2 (yeast)	-0.886701	Inlier
siRNA Disorazole DMSO Run1	NM_006796	AFG3L2	AFG3 ATPase family gene 3-like 2 (yeast)	-0.774982	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006796	AFG3L2	AFG3 ATPase family gene 3-like 2 (yeast)	-0.621939	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006796	AFG3L2	AFG3 ATPase family gene 3-like 2 (yeast)	-0.405277	Inlier
siRNA Disorazole DMSO Run2	NM_006796	AFG3L2	AFG3 ATPase family gene 3-like 2 (yeast)	0.405277	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006796	AFG3L2	AFG3 ATPase family gene 3-like 2 (yeast)	0.548231	Inlier
siRNA Disorazole DMSO Run3	NM_006796	AFG3L2	AFG3 ATPase family gene 3-like 2 (yeast)	0.727061	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006796	AFG3L2	AFG3 ATPase family gene 3-like 2 (yeast)	0.749062	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000027	AGA	aspartylglucosaminidase	-0.729707	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0000 27	AGA	aspartylglucosaminidase	-0.619293	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0000 27	AGA	aspartylglucosaminidase	-0.433577	Inlier
siRNA Disorazole DMSO Run3	NM_0000 27	AGA	aspartylglucosaminidase	-0.160686	Inlier
siRNA Disorazole DMSO Run1	NM_0000 27	AGA	aspartylglucosaminidase	0.160686	Inlier
siRNA Disorazole DMSO Run2	NM_0000 27	AGA	aspartylglucosaminidase	1.829556	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0000 27	AGA	aspartylglucosaminidase	2.960329	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0000 27	AGA	aspartylglucosaminidase	3.45541	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1721 97	AGER	advanced glycosylation end product-specific receptor	-1.507611	Inlier
siRNA Disorazole DMSO Run1	NM_1721 97	AGER	advanced glycosylation end product-specific receptor	-0.925214	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1721 97	AGER	advanced glycosylation end product-specific receptor	-0.146857	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1721 97	AGER	advanced glycosylation end product-specific receptor	-0.022027	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1721 97	AGER	advanced glycosylation end product-specific receptor	0.022026	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_1721 97	AGER	advanced glycosylation on end product-specific receptor	0.423786	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1721 97	AGER	advanced glycosylation on end product-specific receptor	1.641854	Inlier
siRNA Disorazole DMSO Run2	NM_1721 97	AGER	advanced glycosylation on end product-specific receptor	1.756781	Inlier
siRNA Disorazole DMSO Run1	NM_0006 46	AGL	amylo-1, 6-glucosidase, 4-alpha-glucanotransferase (glycogen debranching enzyme, glycogen storage disease type III)	-0.814564	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0006 46	AGL	amylo-1, 6-glucosidase, 4-alpha-glucanotransferase (glycogen debranching enzyme, glycogen storage disease type III)	-0.6456	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_000646	AGL	amylo-1, 6-glucosidase, 4-alpha-glucanotransferase (glycogen debranching enzyme, glycogen storage disease type III)	-0.090558	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000646	AGL	amylo-1, 6-glucosidase, 4-alpha-glucanotransferase (glycogen debranching enzyme, glycogen storage disease type III)	-0.067588	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000646	AGL	amylo-1, 6-glucosidase, 4-alpha-glucanotransferase (glycogen debranching enzyme, glycogen storage disease type III)	0.067589	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0006 46	AGL	amylo-1, 6- glucosidas e, 4-alpha- glucanotra nsferase (glycogen debranchi ng enzyme, glycogen storage disease type III)	0.7034 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0006 46	AGL	amylo-1, 6- glucosidas e, 4-alpha- glucanotra nsferase (glycogen debranchi ng enzyme, glycogen storage disease type III)	0.972717 Inlier
siRNA Disorazole DMSO Run2	NM_0006 46	AGL	amylo-1, 6- glucosidas e, 4-alpha- glucanotra nsferase (glycogen debranchi ng enzyme, glycogen storage disease type III)	1.039165 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0247 58	AGMAT	agmatine ureohydrol ase (agmatina se)	-0.830069 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0247 58	AGMAT	agmatine ureohydrolase (agmatinase)	-0.763302	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0247 58	AGMAT	agmatine ureohydrolase (agmatinase)	-0.585698	Inlier
siRNA Disorazole DMSO Run3	NM_0247 58	AGMAT	agmatine ureohydrolase (agmatinase)	-0.13311	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0247 58	AGMAT	agmatine ureohydrolase (agmatinase)	0.13311	Inlier
siRNA Disorazole DMSO Run1	NM_0247 58	AGMAT	agmatine ureohydrolase (agmatinase)	0.21653	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0247 58	AGMAT	agmatine ureohydrolase (agmatinase)	0.829823	Inlier
siRNA Disorazole DMSO Run2	NM_0247 58	AGMAT	agmatine ureohydrolase (agmatinase)	1.063091	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0064 11	AGPAT1	1-acylglycerol-3-phosphate O-acyltransferase 1 (lysophosphatidic acid acyltransferase, alpha)	-1.094301	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

			1-acylglycerol-3-phosphate O-acyltransferase 1 (lysophosphatidic acid acyltransferase, alpha)	-0.884825	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006411	AGPAT1	1-acylglycerol-3-phosphate O-acyltransferase 1 (lysophosphatidic acid acyltransferase, alpha)	-0.400497	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006411	AGPAT1	1-acylglycerol-3-phosphate O-acyltransferase 1 (lysophosphatidic acid acyltransferase, alpha)	-0.309548	Inlier
siRNA Disorazole DMSO Run3	NM_006411	AGPAT1	1-acylglycerol-3-phosphate O-acyltransferase 1 (lysophosphatidic acid acyltransferase, alpha)	0.309548	Inlier
siRNA Disorazole DMSO Run1	NM_006411	AGPAT1	1-acylglycerol-3-phosphate O-acyltransferase 1 (lysophosphatidic acid acyltransferase, alpha)		

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0064 11	AGPAT1	1-acylglycerol-3-phosphate O-acyltransferase 1 (lysophosphatidic acid acyltransferase, alpha)	0.464175	Inlier
siRNA Disorazole DMSO Run2	NM_0064 11	AGPAT1	1-acylglycerol-3-phosphate O-acyltransferase 1 (lysophosphatidic acid acyltransferase, alpha)	2.014115	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0064 11	AGPAT1	1-acylglycerol-3-phosphate O-acyltransferase 1 (lysophosphatidic acid acyltransferase, alpha)	2.894943	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0064 12	AGPAT2	1-acylglycerol-3-phosphate O-acyltransferase 2 (lysophosphatidic acid acyltransferase, beta)	-0.858424	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0064 12	AGPAT2	1-acylglycerol-3-phosphate O-acyltransferase 2 (lysophosphatidic acid acyltransferase, beta)	-0.662312	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0064 12	AGPAT2	1-acylglycerol-3-phosphate O-acyltransferase 2 (lysophosphatidic acid acyltransferase, beta)	-0.659809	Inlier
siRNA Disorazole DMSO Run1	NM_0064 12	AGPAT2	1-acylglycerol-3-phosphate O-acyltransferase 2 (lysophosphatidic acid acyltransferase, beta)	-0.376975	Inlier
siRNA Disorazole DMSO Run3	NM_0064 12	AGPAT2	1-acylglycerol-3-phosphate O-acyltransferase 2 (lysophosphatidic acid acyltransferase, beta)	0.376975	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0064 12	AGPAT2	1-acylglycerol-3-phosphate O-acyltransferase 2 (lysophosphatidic acid acyltransferase, beta)	0.686688	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0064 12	AGPAT2	1-acylglycerol-3-phosphate O-acyltransferase 2 (lysophosphatidic acid acyltransferase, beta)	0.689404	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0064 12	AGPAT2	1-acylglycerol-3-phosphate O-acyltransferase 2 (lysophosphatidic acid acyltransferase, beta)	0.845179	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0201 32	AGPAT3	1-acylglycerol-3-phosphate O-acyltransferase 3	-1.779524	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0201 32	AGPAT3	1-acylglycerol-3-phosphate O-acyltransferase 3	-0.97439	Inlier
siRNA Disorazole DMSO Run1	NM_0201 32	AGPAT3	1-acylglycerol-3-phosphate O-acyltransferase 3	-0.137241	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0201 32	AGPAT3	1-acylglycerol-3-phosphate O-acyltransferase 3	-0.024868	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0201 32	AGPAT3	1-acylglycerol-3-phosphate O-acyltransferase 3	0.024868	Inlier
siRNA Disorazole DMSO Run3	NM_0201 32	AGPAT3	1-acylglycerol-3-phosphate O-acyltransferase 3	0.644547	Inlier
siRNA Disorazole DMSO Run2	NM_0201 32	AGPAT3	1-acylglycerol-3-phosphate O-acyltransferase 3	0.704453	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0201 32	AGPAT3	1-acylglycerol-3-phosphate O-acyltransferase 3	0.740258	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

			1-acylglycerol-3-phosphate O-acyltransferase 4 (lysophosphatidic acid acyltransferase, delta)	-0.770447	Inlier
siRNA-Temozolomide Run1-DMSO	NM_020133	AGPAT4	1-acylglycerol-3-phosphate O-acyltransferase 4 (lysophosphatidic acid acyltransferase, delta)	-0.578553	Inlier
siRNA Disorazole DMSO Run1	NM_020133	AGPAT4	1-acylglycerol-3-phosphate O-acyltransferase 4 (lysophosphatidic acid acyltransferase, delta)	-0.182346	Inlier
siRNA-Vinblastine Run2-DMSO	NM_020133	AGPAT4	1-acylglycerol-3-phosphate O-acyltransferase 4 (lysophosphatidic acid acyltransferase, delta)	-0.102855	Inlier
siRNA-Temozolomide Run3-DMSO	NM_020133	AGPAT4	1-acylglycerol-3-phosphate O-acyltransferase 4 (lysophosphatidic acid acyltransferase, delta)		

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0201 33	AGPAT4	1-acylglycerol-3-phosphate O-acyltransferase 4 (lysophosphatidic acid acyltransferase, delta)	0.102855	Inlier
siRNA Disorazole DMSO Run3	NM_0201 33	AGPAT4	1-acylglycerol-3-phosphate O-acyltransferase 4 (lysophosphatidic acid acyltransferase, delta)	1.005985	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0201 33	AGPAT4	1-acylglycerol-3-phosphate O-acyltransferase 4 (lysophosphatidic acid acyltransferase, delta)	5.934381	Outlier
siRNA Disorazole DMSO Run2	NM_0201 33	AGPAT4	1-acylglycerol-3-phosphate O-acyltransferase 4 (lysophosphatidic acid acyltransferase, delta)	6.433173	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0036 59	AGPS	alkylglycerone phosphate synthase	-5.023054	Outlier
siRNA-Temozolomide Run1-DMSO	NM_0036 59	AGPS	alkylglycerone phosphate synthase	-0.384155	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0036 59	AGPS	alkylglycerone phosphate synthase	-0.38187	Inlier
siRNA Disorazole DMSO Run1	NM_0036 59	AGPS	alkylglycerone phosphate synthase	-0.10284	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0036 59	AGPS	alkylglycerone phosphate synthase	0.102839	Inlier
siRNA Disorazole DMSO Run3	NM_0036 59	AGPS	alkylglycerone phosphate synthase	0.964845	Inlier
siRNA Disorazole DMSO Run2	NM_0036 59	AGPS	alkylglycerone phosphate synthase	14.20175	Outlier
siRNA-Vinblastine Run1-DMSO	NM_0036 59	AGPS	alkylglycerone phosphate synthase	23.1127	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3- DMSO	NM_0000 29	AGT	angiotensi nogen (serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiprotein ase, antitrypsin) , member 8)	-2.744682 Inlier
----------------------------------	---------------	-----	---	------------------

siRNA-Temozolomide Run2- DMSO	NM_0000 29	AGT	angiotensi nogen (serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiprotein ase, antitrypsin) , member 8)	-0.513808 Inlier
----------------------------------	---------------	-----	---	------------------

siRNA-Vinblastine Run2- DMSO	NM_0000 29	AGT	angiotensi nogen (serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiprotein ase, antitrypsin) , member 8)	-0.512926 Inlier
---------------------------------	---------------	-----	---	------------------

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0000	29	AGT	angiotensinogen (serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 8)	-0.427367	Inlier
----------------------------	---------	----	-----	--	-----------	--------

siRNA Disorazole DMSO Run1	NM_0000	29	AGT	angiotensinogen (serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 8)	0.427367	Inlier
----------------------------	---------	----	-----	--	----------	--------

siRNA-Temozolomide Run1-DMSO	NM_0000	29	AGT	angiotensinogen (serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 8)	0.835192	Inlier
------------------------------	---------	----	-----	--	----------	--------

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0000 29	AGT	angiotensinogen (serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 8)	1.742959	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0000 29	AGT	angiotensinogen (serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 8)	2.428427	Inlier
siRNA Disorazole DMSO Run2	NM_0320 49	AGTR1	angiotensin II receptor, type 1	-1.355469	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0320 49	AGTR1	angiotensin II receptor, type 1	-0.550734	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0320 49	AGTR1	angiotensin II receptor, type 1	-0.456384	Inlier
siRNA Disorazole DMSO Run1	NM_0320 49	AGTR1	angiotensin II receptor, type 1	-0.350044	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0320 49	AGTR1	angiotensin II receptor, type 1	0.350044	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0320 49	AGTR1	angiotensin II receptor, type 1	0.798266	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0320 49	AGTR1	angiotensin II receptor, type 1	1.950805	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0320 49	AGTR1	angiotensin II receptor, type 1	2.274875	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0006 86	AGTR2	angiotensin II receptor, type 2	-1.128223	Inlier
siRNA Disorazole DMSO Run2	NM_0006 86	AGTR2	angiotensin II receptor, type 2	-0.858511	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0006 86	AGTR2	angiotensin II receptor, type 2	-0.490489	Inlier
siRNA Disorazole DMSO Run1	NM_0006 86	AGTR2	angiotensin II receptor, type 2	-0.264865	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0006 86	AGTR2	angiotensin II receptor, type 2	0.264865	Inlier
siRNA Disorazole DMSO Run3	NM_0006 86	AGTR2	angiotensin II receptor, type 2	0.305897	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0006 86	AGTR2	angiotensin II receptor, type 2	1.084003	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0006 86	AGTR2	angiotensin II receptor, type 2	1.199764	Inlier
siRNA Disorazole DMSO Run2	NM_0051 61	AGTRL1	angiotensin II receptor-like 1	-1.463767	Inlier
siRNA Disorazole DMSO Run3	NM_0051 61	AGTRL1	angiotensin II receptor-like 1	-1.452291	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Gene	Value	Outlier
siRNA Disorazole DMSO Run1	AGTRL1	NM_005161	angiotensin II receptor-like 1	-0.487246	Inlier
siRNA-Temozolomide Run1-DMSO	AGTRL1	NM_005161	angiotensin II receptor-like 1	-0.108117	Inlier
siRNA-Temozolomide Run2-DMSO	AGTRL1	NM_005161	angiotensin II receptor-like 1	0.108116	Inlier
siRNA-Temozolomide Run3-DMSO	AGTRL1	NM_005161	angiotensin II receptor-like 1	0.627406	Inlier
siRNA-Vinblastine Run2-DMSO	AGTRL1	NM_005161	angiotensin II receptor-like 1	0.721594	Inlier
siRNA-Vinblastine Run1-DMSO	AGTRL1	NM_005161	angiotensin II receptor-like 1	1.807413	Inlier
siRNA Disorazole DMSO Run1	AGTRL2	NM_005162	angiotensin II receptor-like 2	-0.944054	Inlier
siRNA-Temozolomide Run2-DMSO	AGTRL2	NM_005162	angiotensin II receptor-like 2	-0.762565	Inlier
siRNA-Vinblastine Run2-DMSO	AGTRL2	NM_005162	angiotensin II receptor-like 2	-0.531616	Inlier
siRNA-Temozolomide Run3-DMSO	AGTRL2	NM_005162	angiotensin II receptor-like 2	-0.258599	Inlier
siRNA-Temozolomide Run1-DMSO	AGTRL2	NM_005162	angiotensin II receptor-like 2	0.258599	Inlier
siRNA Disorazole DMSO Run3	AGTRL2	NM_005162	angiotensin II receptor-like 2	0.586434	Inlier
siRNA Disorazole DMSO Run2	AGTRL2	NM_005162	angiotensin II receptor-like 2	2.355369	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_005162	AGTRL2	angiotensin II receptor-like 2	2.682434	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000030	AGXT	alanine-glyoxylate aminotransferase (oxalosis I; hyperoxaluria I; glycolicaciduria; serine-pyruvate aminotransferase)	-0.961711	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000030	AGXT	alanine-glyoxylate aminotransferase (oxalosis I; hyperoxaluria I; glycolicaciduria; serine-pyruvate aminotransferase)	-0.871911	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000030	AGXT	alanine-glyoxylate aminotransferase (oxalosis I; hyperoxaluria I; glycolicaciduria; serine-pyruvate aminotransferase)	-0.31916	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_000030	AGXT	alanine-glyoxylate aminotransferase (oxalosis I; hyperoxaluria I; glycolicaciduria; serine-pyruvate aminotransferase)	-0.103235	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000030	AGXT	alanine-glyoxylate aminotransferase (oxalosis I; hyperoxaluria I; glycolicaciduria; serine-pyruvate aminotransferase)	0.103235	Inlier
siRNA Disorazole DMSO Run1	NM_000030	AGXT	alanine-glyoxylate aminotransferase (oxalosis I; hyperoxaluria I; glycolicaciduria; serine-pyruvate aminotransferase)	0.477089	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_000030	AGXT	alanine-glyoxylate aminotransferase (oxalosis I; hyperoxaluria I; glycolicaciduria; serine-pyruvate aminotransferase)	2.522251	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000030	AGXT	alanine-glyoxylate aminotransferase (oxalosis I; hyperoxaluria I; glycolicaciduria; serine-pyruvate aminotransferase)	3.646834	Outlier
siRNA-Temozolomide Run1-DMSO	NM_031900	AGXT2	alanine-glyoxylate aminotransferase 2	-1.703786	Inlier
siRNA Disorazole DMSO Run1	NM_031900	AGXT2	alanine-glyoxylate aminotransferase 2	-1.431885	Inlier
siRNA-Temozolomide Run2-DMSO	NM_031900	AGXT2	alanine-glyoxylate aminotransferase 2	-0.74671	Inlier
siRNA Disorazole DMSO Run2	NM_031900	AGXT2	alanine-glyoxylate aminotransferase 2	-0.048256	Inlier
siRNA-Vinblastine Run2-DMSO	NM_031900	AGXT2	alanine-glyoxylate aminotransferase 2	0.048256	Inlier
siRNA-Temozolomide Run3-DMSO	NM_031900	AGXT2	alanine-glyoxylate aminotransferase 2	0.360282	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Gene	Value	Category
siRNA Disorazole DMSO Run3	NM_0319	00	AGXT2	0.60229	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0319	00	AGXT2	1.377188	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0312	79	AGXT2L1	-1.099372	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0312	79	AGXT2L1	-0.249628	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0312	79	AGXT2L1	-0.211834	Inlier
siRNA Disorazole DMSO Run3	NM_0312	79	AGXT2L1	-0.066172	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0312	79	AGXT2L1	0.066172	Inlier
siRNA Disorazole DMSO Run1	NM_0312	79	AGXT2L1	1.482707	Inlier
siRNA Disorazole DMSO Run2	NM_0312	79	AGXT2L1	6.654132	Outlier
siRNA-Vinblastine Run1-DMSO	NM_0312	79	AGXT2L1	7.819338	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0006 87	AHCY	S-adenosylhomocysteine hydrolase	-1.05864	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0006 87	AHCY	S-adenosylhomocysteine hydrolase	-0.868638	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0006 87	AHCY	S-adenosylhomocysteine hydrolase	-0.702404	Inlier
siRNA Disorazole DMSO Run3	NM_0006 87	AHCY	S-adenosylhomocysteine hydrolase	-0.122241	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0006 87	AHCY	S-adenosylhomocysteine hydrolase	0.122241	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0006 87	AHCY	S-adenosylhomocysteine hydrolase	0.640623	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0006 87	AHCY	S-adenosylhomocysteine hydrolase	0.646596	Inlier
siRNA Disorazole DMSO Run2	NM_0006 87	AHCY	S-adenosylhomocysteine hydrolase	1.649236	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0066 21	AHCYL1	S-adenosylhomocysteine hydrolase-like 1	-1.039376	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0066 21	AHCYL1	S-adenosylhomocysteine hydrolase-like 1	-0.968523	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0066 21	AHCYL1	S-adenosylhomocysteine hydrolase-like 1	-0.769789	Inlier
siRNA Disorazole DMSO Run3	NM_0066 21	AHCYL1	S-adenosylhomocysteine hydrolase-like 1	-0.342559	Inlier
siRNA Disorazole DMSO Run1	NM_0066 21	AHCYL1	S-adenosylhomocysteine hydrolase-like 1	0.342559	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0066 21	AHCYL1	S-adenosylhomocysteine hydrolase-like 1	0.387567	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0066 21	AHCYL1	S-adenosylhomocysteine hydrolase-like 1	0.579211	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0066 21	AHCYL1	S-adenosylhomocysteine hydrolase-like 1	1.000046	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0016 21	AHR	aryl hydrocarbon receptor	-2.409532	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0016 21	AHR	aryl hydrocarbon receptor	-1.100803	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0016 21	AHR	aryl hydrocarbon receptor	-0.794225	Inlier
siRNA Disorazole DMSO Run2	NM_0016 21	AHR	aryl hydrocarbon receptor	-0.343983	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0016 21	AHR	aryl hydrocarb on receptor	0.343984	Inlier
siRNA Disorazole DMSO Run3	NM_0016 21	AHR	aryl hydrocarb on receptor	0.420492	Inlier
siRNA Disorazole DMSO Run1	NM_0016 21	AHR	aryl hydrocarb on receptor	0.554775	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0016 21	AHR	aryl hydrocarb on receptor	1.181724	Inlier
siRNA Disorazole DMSO Run1	NM_0207 31	AHRR	aryl- hydrocarb on receptor repressor	-2.849132	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0207 31	AHRR	aryl- hydrocarb on receptor repressor	-0.814678	Inlier
siRNA Disorazole DMSO Run3	NM_0207 31	AHRR	aryl- hydrocarb on receptor repressor	-0.393377	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0207 31	AHRR	aryl- hydrocarb on receptor repressor	-0.205469	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0207 31	AHRR	aryl- hydrocarb on receptor repressor	0.205468	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0207 31	AHRR	aryl- hydrocarb on receptor repressor	0.534322	Inlier
siRNA Disorazole DMSO Run2	NM_0207 31	AHRR	aryl- hydrocarb on receptor repressor	2.602697	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Description	Score	Category
siRNA-Vinblastine Run1-DMSO	NM_020731	AHRR	aryl-hydrocarbon receptor repressor	4.2905	Outlier
siRNA-Temozolomide Run3-DMSO	NM_152392	AHSA2	AHA1, activator of heat shock 90kDa protein ATPase homolog 2 (yeast)	-0.858157	Inlier
siRNA-Temozolomide Run2-DMSO	NM_152392	AHSA2	AHA1, activator of heat shock 90kDa protein ATPase homolog 2 (yeast)	-0.490843	Inlier
siRNA-Vinblastine Run2-DMSO	NM_152392	AHSA2	AHA1, activator of heat shock 90kDa protein ATPase homolog 2 (yeast)	-0.351579	Inlier
siRNA Disorazole DMSO Run3	NM_152392	AHSA2	AHA1, activator of heat shock 90kDa protein ATPase homolog 2 (yeast)	-0.28421	Inlier
siRNA Disorazole DMSO Run1	NM_152392	AHSA2	AHA1, activator of heat shock 90kDa protein ATPase homolog 2 (yeast)	0.28421	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_1523 92	AHSA2	AHA1, activator of heat shock 90kDa protein ATPase homolog 2 (yeast)	1.577829	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1523 92	AHSA2	AHA1, activator of heat shock 90kDa protein ATPase homolog 2 (yeast)	1.648151	Inlier
siRNA Disorazole DMSO Run2	NM_1523 92	AHSA2	AHA1, activator of heat shock 90kDa protein ATPase homolog 2 (yeast)	2.688848	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0206 61	AICDA	activation- induced cytidine deaminas e	-3.805526	Outlier
siRNA-Temozolomide Run1-DMSO	NM_0206 61	AICDA	activation- induced cytidine deaminas e	-3.365159	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0206 61	AICDA	activation- induced cytidine deaminas e	-1.105154	Inlier
siRNA Disorazole DMSO Run1	NM_0206 61	AICDA	activation- induced cytidine deaminas e	-0.027688	Inlier
siRNA Disorazole DMSO Run3	NM_0206 61	AICDA	activation- induced cytidine deaminas e	0.02769	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log Fold Change	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_020661	AICDA	activation-induced cytidine deaminase	0.149639	Inlier
siRNA-Vinblastine Run1-DMSO	NM_020661	AICDA	activation-induced cytidine deaminase	0.243846	Inlier
siRNA Disorazole DMSO Run2	NM_020661	AICDA	activation-induced cytidine deaminase	1.259514	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003977	AIP	aryl hydrocarbon receptor interacting protein	-1.397721	Inlier
siRNA Disorazole DMSO Run1	NM_003977	AIP	aryl hydrocarbon receptor interacting protein	-0.436339	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003977	AIP	aryl hydrocarbon receptor interacting protein	-0.314523	Inlier
siRNA Disorazole DMSO Run3	NM_003977	AIP	aryl hydrocarbon receptor interacting protein	-0.295629	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003977	AIP	aryl hydrocarbon receptor interacting protein	0.295629	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003977	AIP	aryl hydrocarbon receptor interacting protein	0.912661	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0039 77	AIP	aryl hydrocarb on receptor interacting protein	2.243098	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0039 77	AIP	aryl hydrocarb on receptor interacting protein	2.498339	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0143 36	AIPL1	aryl hydrocarb on receptor interacting protein- like 1	-1.009222	Inlier
siRNA Disorazole DMSO Run1	NM_0143 36	AIPL1	aryl hydrocarb on receptor interacting protein- like 1	-0.664405	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0143 36	AIPL1	aryl hydrocarb on receptor interacting protein- like 1	-0.158746	Inlier
siRNA Disorazole DMSO Run3	NM_0143 36	AIPL1	aryl hydrocarb on receptor interacting protein- like 1	-0.144201	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0143 36	AIPL1	aryl hydrocarb on receptor interacting protein- like 1	0.1442	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			aryl hydrocarbon receptor interacting protein-like 1	0.684595	Inlier
siRNA-Temozolomide Run1-DMSO	NM_014336	AIPL1	aryl hydrocarbon receptor interacting protein-like 1	0.684595	Inlier
siRNA-Vinblastine Run1-DMSO	NM_014336	AIPL1	aryl hydrocarbon receptor interacting protein-like 1	2.138466	Inlier
siRNA Disorazole DMSO Run2	NM_014336	AIPL1	aryl hydrocarbon receptor interacting protein-like 1	2.406819	Inlier
siRNA Disorazole DMSO Run1	NM_000476	AK1	adenylate kinase 1	-0.815981	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000476	AK1	adenylate kinase 1	-0.533019	Inlier
siRNA Disorazole DMSO Run3	NM_000476	AK1	adenylate kinase 1	-0.152219	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000476	AK1	adenylate kinase 1	-0.100195	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000476	AK1	adenylate kinase 1	0.100195	Inlier
siRNA Disorazole DMSO Run2	NM_000476	AK1	adenylate kinase 1	1.098301	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000476	AK1	adenylate kinase 1	1.109751	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000476	AK1	adenylate kinase 1	1.395523	Inlier
siRNA-Temozolomide Run3-DMSO	NM_013411	AK2	adenylate kinase 2	-1.24256	Inlier
siRNA Disorazole DMSO Run2	NM_013411	AK2	adenylate kinase 2	-1.083058	Inlier
siRNA-Temozolomide Run2-DMSO	NM_013411	AK2	adenylate kinase 2	-0.320364	Inlier
siRNA-Temozolomide Run1-DMSO	NM_013411	AK2	adenylate kinase 2	-0.21089	Inlier
siRNA Disorazole DMSO Run3	NM_013411	AK2	adenylate kinase 2	0.21089	Inlier
siRNA Disorazole DMSO Run1	NM_013411	AK2	adenylate kinase 2	0.593137	Inlier
siRNA-Vinblastine Run1-DMSO	NM_013411	AK2	adenylate kinase 2	0.755863	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Vinblastine Run2- DMSO	NM_0134 11	AK2	adenylate kinase 2	1.154215	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0134 10	AK3	adenylate kinase 3	-0.96986	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0134 10	AK3	adenylate kinase 3	-0.677262	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0134 10	AK3	adenylate kinase 3	-0.671738	Inlier
siRNA Disorazole DMSO Run2	NM_0134 10	AK3	adenylate kinase 3	-0.124612	Inlier
siRNA Disorazole DMSO Run1	NM_0134 10	AK3	adenylate kinase 3	0.124612	Inlier
siRNA Disorazole DMSO Run3	NM_0134 10	AK3	adenylate kinase 3	0.423885	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0134 10	AK3	adenylate kinase 3	0.911516	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0134 10	AK3	adenylate kinase 3	1.056022	Inlier
siRNA Disorazole DMSO Run2	NM_0162 82	AK3L1	adenylate kinase 3 like 1	-1.639142	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0162 82	AK3L1	adenylate kinase 3 like 1	-0.410739	Inlier
siRNA Disorazole DMSO Run3	NM_0162 82	AK3L1	adenylate kinase 3 like 1	-0.371316	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0162 82	AK3L1	adenylate kinase 3 like 1	-0.277025	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0162 82	AK3L1	adenylate kinase 3 like 1	0.277025	Inlier
siRNA Disorazole DMSO Run1	NM_0162 82	AK3L1	adenylate kinase 3 like 1	0.938261	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0162 82	AK3L1	adenylate kinase 3 like 1	1.018051	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0162 82	AK3L1	adenylate kinase 3 like 1	1.576081	Inlier
siRNA Disorazole DMSO Run2	NM_1748 58	AK5	adenylate kinase 5	-2.339402	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1748 58	AK5	adenylate kinase 5	-1.551665	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1748 58	AK5	adenylate kinase 5	-0.3123	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1748 58	AK5	adenylate kinase 5	-0.223934	Inlier
siRNA Disorazole DMSO Run3	NM_1748 58	AK5	adenylate kinase 5	0.223934	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Vinblastine Run2- DMSO	NM_1748 58	AK5	adenylate kinase 5	0.532833	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1748 58	AK5	adenylate kinase 5	0.816167	Inlier
siRNA Disorazole DMSO Run1	NM_1748 58	AK5	adenylate kinase 5	0.830214	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1523 27	AK7	adenylate kinase 7	-2.306074	Inlier
siRNA Disorazole DMSO Run2	NM_1523 27	AK7	adenylate kinase 7	-0.600199	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1523 27	AK7	adenylate kinase 7	-0.336654	Inlier
siRNA Disorazole DMSO Run3	NM_1523 27	AK7	adenylate kinase 7	-0.326043	Inlier
siRNA Disorazole DMSO Run1	NM_1523 27	AK7	adenylate kinase 7	0.326043	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1523 27	AK7	adenylate kinase 7	0.748801	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1523 27	AK7	adenylate kinase 7	1.498964	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1523 27	AK7	adenylate kinase 7	1.902159	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1392 75	AKAP1	A kinase (PRKA) anchor protein 1	-2.707083	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1392 75	AKAP1	A kinase (PRKA) anchor protein 1	-2.241302	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1392 75	AKAP1	A kinase (PRKA) anchor protein 1	-0.510579	Inlier
siRNA Disorazole DMSO Run1	NM_1392 75	AKAP1	A kinase (PRKA) anchor protein 1	-0.08311	Inlier
siRNA Disorazole DMSO Run2	NM_1392 75	AKAP1	A kinase (PRKA) anchor protein 1	0.08311	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1392 75	AKAP1	A kinase (PRKA) anchor protein 1	0.530462	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1392 75	AKAP1	A kinase (PRKA) anchor protein 1	0.818538	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			A kinase (PRKA)	
			anchor	
siRNA Disorazole DMSO Run3	NM_1392 75	AKAP1	protein 1	1.050288 Inlier
			A kinase (PRKA)	
			anchor	
siRNA Disorazole DMSO Run2	NM_0072 02	AKAP10	protein 10	-1.623149 Inlier
			A kinase (PRKA)	
			anchor	
siRNA-Temozolomide Run3-DMSO	NM_0072 02	AKAP10	protein 10	-1.262818 Inlier
			A kinase (PRKA)	
			anchor	
siRNA Disorazole DMSO Run3	NM_0072 02	AKAP10	protein 10	-0.442566 Inlier
			A kinase (PRKA)	
			anchor	
siRNA-Temozolomide Run2-DMSO	NM_0072 02	AKAP10	protein 10	-0.09606 Inlier
			A kinase (PRKA)	
			anchor	
siRNA-Temozolomide Run1-DMSO	NM_0072 02	AKAP10	protein 10	0.09606 Inlier
			A kinase (PRKA)	
			anchor	
siRNA Disorazole DMSO Run1	NM_0072 02	AKAP10	protein 10	0.375901 Inlier
			A kinase (PRKA)	
			anchor	
siRNA-Vinblastine Run2-DMSO	NM_0072 02	AKAP10	protein 10	0.906434 Inlier
			A kinase (PRKA)	
			anchor	
siRNA-Vinblastine Run1-DMSO	NM_0072 02	AKAP10	protein 10	1.216394 Inlier
			A kinase (PRKA)	
			anchor	
siRNA Disorazole DMSO Run2	NM_1444 90	AKAP11	protein 11	-2.011514 Inlier
			A kinase (PRKA)	
			anchor	
siRNA-Temozolomide Run2-DMSO	NM_1444 90	AKAP11	protein 11	-0.633777 Inlier
			A kinase (PRKA)	
			anchor	
siRNA-Temozolomide Run3-DMSO	NM_1444 90	AKAP11	protein 11	-0.555364 Inlier
			A kinase (PRKA)	
			anchor	
siRNA-Temozolomide Run1-DMSO	NM_1444 90	AKAP11	protein 11	-0.033526 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			A kinase (PRKA)		
siRNA Disorazole DMSO Run1	NM_1444 90	AKAP11	anchor protein 11	0.033526	Inlier
siRNA Disorazole DMSO Run3	NM_1444 90	AKAP11	anchor protein 11	0.715223	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1444 90	AKAP11	anchor protein 11	0.726339	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1444 90	AKAP11	anchor protein 11	0.759758	Inlier
siRNA Disorazole DMSO Run2	NM_1444 97	AKAP12	anchor protein (gravin) 12	-1.863096	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1444 97	AKAP12	anchor protein (gravin) 12	-0.33018	Inlier
siRNA Disorazole DMSO Run3	NM_1444 97	AKAP12	anchor protein (gravin) 12	-0.160894	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1444 97	AKAP12	anchor protein (gravin) 12	-0.131097	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1444 97	AKAP12	anchor protein (gravin) 12	0.131098	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1444 97	AKAP12	anchor protein (gravin) 12	1.01882	Inlier
siRNA Disorazole DMSO Run1	NM_1444 97	AKAP12	anchor protein (gravin) 12	1.057684	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_1444 97	AKAP12	A kinase (PRKA) anchor protein (gravin) 12	1.409215	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0067 38	AKAP13	A kinase (PRKA) anchor protein 13	-1.24067	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0067 38	AKAP13	A kinase (PRKA) anchor protein 13	-0.557791	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0067 38	AKAP13	A kinase (PRKA) anchor protein 13	-0.166867	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0067 38	AKAP13	A kinase (PRKA) anchor protein 13	-0.142585	Inlier
siRNA Disorazole DMSO Run3	NM_0067 38	AKAP13	A kinase (PRKA) anchor protein 13	0.142584	Inlier
siRNA Disorazole DMSO Run1	NM_0067 38	AKAP13	A kinase (PRKA) anchor protein 13	0.791209	Inlier
siRNA Disorazole DMSO Run2	NM_0067 38	AKAP13	A kinase (PRKA) anchor protein 13	0.836864	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0067 38	AKAP13	A kinase (PRKA) anchor protein 13	0.998054	Inlier
siRNA Disorazole DMSO Run2	NM_0010 04065	AKAP2	A kinase (PRKA) anchor protein 2	-2.07474	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 04065	AKAP2	A kinase (PRKA) anchor protein 2	-0.727925	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 04065	AKAP2	A kinase (PRKA) anchor protein 2	-0.621075	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0010 04065	AKAP2	A kinase (PRKA) anchor protein 2	-0.424061	Inlier
siRNA Disorazole DMSO Run1	NM_0010 04065	AKAP2	A kinase (PRKA) anchor protein 2	0.42406	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 04065	AKAP2	A kinase (PRKA) anchor protein 2	0.590958	Inlier
siRNA Disorazole DMSO Run3	NM_0010 04065	AKAP2	A kinase (PRKA) anchor protein 2	0.911376	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 04065	AKAP2	A kinase (PRKA) anchor protein 2	1.191676	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1788 13	AKAP28	A kinase (PRKA) anchor protein 14	-0.971646	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1788 13	AKAP28	A kinase (PRKA) anchor protein 14	-0.920947	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1788 13	AKAP28	A kinase (PRKA) anchor protein 14	-0.470969	Inlier
siRNA Disorazole DMSO Run2	NM_1788 13	AKAP28	A kinase (PRKA) anchor protein 14	-0.210847	Inlier
siRNA Disorazole DMSO Run3	NM_1788 13	AKAP28	A kinase (PRKA) anchor protein 14	0.210847	Inlier
siRNA Disorazole DMSO Run1	NM_1788 13	AKAP28	A kinase (PRKA) anchor protein 14	0.272526	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1788 13	AKAP28	A kinase (PRKA) anchor protein 14	0.878031	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1788 13	AKAP28	A kinase (PRKA) anchor protein 14	0.894451	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0064 22	AKAP3	A kinase (PRKA) anchor protein 3	-1.487061	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0064 22	AKAP3	A kinase (PRKA) anchor protein 3	-1.341385	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0064 22	AKAP3	A kinase (PRKA) anchor protein 3	-0.735211	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0064 22	AKAP3	A kinase (PRKA) anchor protein 3	-0.308582	Inlier
siRNA Disorazole DMSO Run3	NM_0064 22	AKAP3	A kinase (PRKA) anchor protein 3	0.308582	Inlier
siRNA Disorazole DMSO Run1	NM_0064 22	AKAP3	A kinase (PRKA) anchor protein 3	0.543783	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0064 22	AKAP3	A kinase (PRKA) anchor protein 3	0.613789	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0064 22	AKAP3	A kinase (PRKA) anchor protein 3	1.324712	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0038 86	AKAP4	A kinase (PRKA) anchor protein 4	-4.025392	Outlier
siRNA-Temozolomide Run2- DMSO	NM_0038 86	AKAP4	A kinase (PRKA) anchor protein 4	-2.909336	Inlier
siRNA Disorazole DMSO Run2	NM_0038 86	AKAP4	A kinase (PRKA) anchor protein 4	-0.516872	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0038 86	AKAP4	A kinase (PRKA) anchor protein 4	-0.007195	Inlier
siRNA Disorazole DMSO Run1	NM_0038 86	AKAP4	A kinase (PRKA) anchor protein 4	0.007195	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			A kinase (PRKA)	
			anchor	
siRNA Disorazole DMSO Run3	NM_0038 86	AKAP4	protein 4	0.154868 Inlier
			A kinase (PRKA)	
			anchor	
siRNA-Vinblastine Run2-DMSO	NM_0038 86	AKAP4	protein 4	0.832128 Inlier
			A kinase (PRKA)	
			anchor	
siRNA-Vinblastine Run1-DMSO	NM_0038 86	AKAP4	protein 4	1.689754 Inlier
			A kinase (PRKA)	
			anchor	
siRNA Disorazole DMSO Run2	NM_0048 57	AKAP5	protein 5	-1.397707 Inlier
			A kinase (PRKA)	
			anchor	
siRNA-Temozolomide Run3-DMSO	NM_0048 57	AKAP5	protein 5	-0.508522 Inlier
			A kinase (PRKA)	
			anchor	
siRNA-Temozolomide Run2-DMSO	NM_0048 57	AKAP5	protein 5	-0.390152 Inlier
			A kinase (PRKA)	
			anchor	
siRNA-Temozolomide Run1-DMSO	NM_0048 57	AKAP5	protein 5	-0.075618 Inlier
			A kinase (PRKA)	
			anchor	
siRNA Disorazole DMSO Run3	NM_0048 57	AKAP5	protein 5	0.075618 Inlier
			A kinase (PRKA)	
			anchor	
siRNA-Vinblastine Run2-DMSO	NM_0048 57	AKAP5	protein 5	0.840478 Inlier
			A kinase (PRKA)	
			anchor	
siRNA Disorazole DMSO Run1	NM_0048 57	AKAP5	protein 5	0.906057 Inlier
			A kinase (PRKA)	
			anchor	
siRNA-Vinblastine Run1-DMSO	NM_0048 57	AKAP5	protein 5	1.136096 Inlier
			A kinase (PRKA)	
			anchor	
siRNA-Temozolomide Run3-DMSO	NM_0042 74	AKAP6	protein 6	-1.457721 Inlier
			A kinase (PRKA)	
			anchor	
siRNA Disorazole DMSO Run2	NM_0042 74	AKAP6	protein 6	-1.101314 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0042 74	AKAP6	A kinase (PRKA) anchor protein 6	-0.441537	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0042 74	AKAP6	A kinase (PRKA) anchor protein 6	-0.303924	Inlier
siRNA Disorazole DMSO Run1	NM_0042 74	AKAP6	A kinase (PRKA) anchor protein 6	0.303924	Inlier
siRNA Disorazole DMSO Run3	NM_0042 74	AKAP6	A kinase (PRKA) anchor protein 6	0.525869	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0042 74	AKAP6	A kinase (PRKA) anchor protein 6	0.823131	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0042 74	AKAP6	A kinase (PRKA) anchor protein 6	0.83013	Inlier
siRNA Disorazole DMSO Run2	NM_0048 42	AKAP7	A kinase (PRKA) anchor protein 7	-1.892523	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0048 42	AKAP7	A kinase (PRKA) anchor protein 7	-1.430436	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0048 42	AKAP7	A kinase (PRKA) anchor protein 7	-0.594528	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0048 42	AKAP7	A kinase (PRKA) anchor protein 7	-0.456088	Inlier
siRNA Disorazole DMSO Run1	NM_0048 42	AKAP7	A kinase (PRKA) anchor protein 7	0.456088	Inlier
siRNA Disorazole DMSO Run3	NM_0048 42	AKAP7	A kinase (PRKA) anchor protein 7	0.457986	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0048 42	AKAP7	A kinase (PRKA) anchor protein 7	0.754472	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0048 42	AKAP7	A kinase (PRKA) anchor protein 7	0.850093	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0058 58	AKAP8	A kinase (PRKA) anchor protein 8	-1.094503	Inlier
siRNA Disorazole DMSO Run2	NM_0058 58	AKAP8	A kinase (PRKA) anchor protein 8	-0.827268	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0058 58	AKAP8	A kinase (PRKA) anchor protein 8	-0.434706	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0058 58	AKAP8	A kinase (PRKA) anchor protein 8	-0.023642	Inlier
siRNA Disorazole DMSO Run3	NM_0058 58	AKAP8	A kinase (PRKA) anchor protein 8	0.023641	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0058 58	AKAP8	A kinase (PRKA) anchor protein 8	0.6121	Inlier
siRNA Disorazole DMSO Run1	NM_0058 58	AKAP8	A kinase (PRKA) anchor protein 8	0.7369	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0058 58	AKAP8	A kinase (PRKA) anchor protein 8	0.977022	Inlier
siRNA Disorazole DMSO Run2	NM_0143 71	AKAP8L	A kinase (PRKA) anchor protein 8-like	-1.521036	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0143 71	AKAP8L	A kinase (PRKA) anchor protein 8-like	-1.316931	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0143 71	AKAP8L	A kinase (PRKA) anchor protein 8-like	-0.314852	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0143 71	AKAP8L	A kinase (PRKA) anchor protein 8-like	-0.097419	Inlier
siRNA Disorazole DMSO Run1	NM_0143 71	AKAP8L	A kinase (PRKA) anchor protein 8-like	0.097419	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0143 71	AKAP8L	A kinase (PRKA) anchor protein 8-like	0.126912	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0143 71	AKAP8L	A kinase (PRKA) anchor protein 8-like	1.034148	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0143 71	AKAP8L	A kinase (PRKA) anchor protein 8-like	1.051458	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1471 71	AKAP9	anchor protein (yotiao) 9 A kinase (PRKA)	-0.819984	Inlier
siRNA Disorazole DMSO Run2	NM_1471 71	AKAP9	anchor protein (yotiao) 9 A kinase (PRKA)	-0.529016	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1471 71	AKAP9	anchor protein (yotiao) 9 A kinase (PRKA)	-0.387298	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1471 71	AKAP9	anchor protein (yotiao) 9 A kinase (PRKA)	-0.295632	Inlier
siRNA Disorazole DMSO Run3	NM_1471 71	AKAP9	anchor protein (yotiao) 9	0.295632	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1471 71	AKAP9	A kinase (PRKA) anchor protein (yotiao) 9	0.984268	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1471 71	AKAP9	A kinase (PRKA) anchor protein (yotiao) 9	1.042001	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1471 71	AKAP9	A kinase (PRKA) anchor protein (yotiao) 9	1.123385	Inlier
siRNA Disorazole DMSO Run2	NM_0179 00	AKIP	AKIP	-0.973	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0179 00	AKIP	AKIP	-0.907348	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0179 00	AKIP	AKIP	-0.748814	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0179 00	AKIP	AKIP	-0.094525	Inlier
siRNA Disorazole DMSO Run3	NM_0179 00	AKIP	AKIP	0.094525	Inlier
siRNA Disorazole DMSO Run1	NM_0179 00	AKIP	AKIP	0.420782	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0179 00	AKIP	AKIP	0.600186	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0179 00	AKIP	AKIP	0.93371	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1533 26	AKR1A1	aldo-keto reductase family 1, member A1 (aldehyde reductase)	-1.077382	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1533 26	AKR1A1	aldo-keto reductase family 1, member A1 (aldehyde reductase)	-0.805997	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_1533 26	AKR1A1	aldo-keto reductase family 1, member A1 (aldehyde reductase)	-0.543003	Inlier
siRNA Disorazole DMSO Run1	NM_1533 26	AKR1A1	aldo-keto reductase family 1, member A1 (aldehyde reductase)	-0.078549	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1533 26	AKR1A1	aldo-keto reductase family 1, member A1 (aldehyde reductase)	0.078548	Inlier
siRNA Disorazole DMSO Run3	NM_1533 26	AKR1A1	aldo-keto reductase family 1, member A1 (aldehyde reductase)	0.43187	Inlier
siRNA Disorazole DMSO Run2	NM_1533 26	AKR1A1	aldo-keto reductase family 1, member A1 (aldehyde reductase)	0.876904	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1533 26	AKR1A1	aldo-keto reductase family 1, member A1 (aldehyde reductase)	0.998715	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_001628	AKR1B1	aldo-keto reductase family 1, member B1 (aldose reductase)	-1.086729	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001628	AKR1B1	aldo-keto reductase family 1, member B1 (aldose reductase)	-0.43523	Inlier
siRNA Disorazole DMSO Run3	NM_001628	AKR1B1	aldo-keto reductase family 1, member B1 (aldose reductase)	-0.14477	Inlier
siRNA Disorazole DMSO Run1	NM_001628	AKR1B1	aldo-keto reductase family 1, member B1 (aldose reductase)	-0.008044	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001628	AKR1B1	aldo-keto reductase family 1, member B1 (aldose reductase)	0.008044	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001628	AKR1B1	aldo-keto reductase family 1, member B1 (aldose reductase)	0.91377	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0016 28	AKR1B1	aldo-keto reductase family 1, member B1 (aldose reductase)	1.665987	Inlier
siRNA Disorazole DMSO Run2	NM_0016 28	AKR1B1	aldo-keto reductase family 1, member B1 (aldose reductase)	1.725642	Inlier
siRNA Disorazole DMSO Run1	NM_0202 99	AKR1B10	aldo-keto reductase family 1, member B10 (aldose reductase)	-0.820697	Inlier
siRNA Disorazole DMSO Run3	NM_0202 99	AKR1B10	aldo-keto reductase family 1, member B10 (aldose reductase)	-0.528303	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0202 99	AKR1B10	aldo-keto reductase family 1, member B10 (aldose reductase)	-0.452304	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0202 99	AKR1B10	aldo-keto reductase family 1, member B10 (aldose reductase)	-0.024308	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_020299	AKR1B10	aldo-keto reductase family 1, member B10 (aldose reductase)	0.024308	Inlier
siRNA-Temozolomide Run1-DMSO	NM_020299	AKR1B10	aldo-keto reductase family 1, member B10 (aldose reductase)	0.986608	Inlier
siRNA-Vinblastine Run1-DMSO	NM_020299	AKR1B10	aldo-keto reductase family 1, member B10 (aldose reductase)	1.640071	Inlier
siRNA Disorazole DMSO Run2	NM_020299	AKR1B10	aldo-keto reductase family 1, member B10 (aldose reductase)	2.206119	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001353	AKR1C1	aldo-keto reductase family 1, member C1 (dihydrodiol dehydrogenase 1; 20-alpha (3-alpha)-hydroxysteroid dehydrogenase)	-1.126787	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			aldo-keto reductase family 1, member C1 (dihydrodiol dehydrogenase 1; 20-alpha (3-alpha)-hydroxysteroid dehydrogenase)	
siRNA-Temozolomide Run2-DMSO	NM_001353	AKR1C1	aldo-keto reductase family 1, member C1 (dihydrodiol dehydrogenase 1; 20-alpha (3-alpha)-hydroxysteroid dehydrogenase)	-0.968628 Inlier
			aldo-keto reductase family 1, member C1 (dihydrodiol dehydrogenase 1; 20-alpha (3-alpha)-hydroxysteroid dehydrogenase)	
siRNA Disorazole DMSO Run2	NM_001353	AKR1C1	aldo-keto reductase family 1, member C1 (dihydrodiol dehydrogenase 1; 20-alpha (3-alpha)-hydroxysteroid dehydrogenase)	-0.108531 Inlier
			aldo-keto reductase family 1, member C1 (dihydrodiol dehydrogenase 1; 20-alpha (3-alpha)-hydroxysteroid dehydrogenase)	
siRNA Disorazole DMSO Run3	NM_001353	AKR1C1	aldo-keto reductase family 1, member C1 (dihydrodiol dehydrogenase 1; 20-alpha (3-alpha)-hydroxysteroid dehydrogenase)	-0.000431 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA	Gene	Gene	Gene	Gene	Gene	Gene
siRNA-Temozolomide Run1-DMSO	NM_001353	AKR1C1	AKR1C1	AKR1C1	AKR1C1	0.000431 Inlier
siRNA Disorazole DMSO Run1	NM_001353	AKR1C1	AKR1C1	AKR1C1	AKR1C1	0.446079 Inlier
siRNA-Vinblastine Run1-DMSO	NM_001353	AKR1C1	AKR1C1	AKR1C1	AKR1C1	0.902921 Inlier

aldo-keto reductase family 1, member C1 (dihydrodiol dehydrogenase 1; 20-alpha (3-alpha)-hydroxysteroid dehydrogenase)

aldo-keto reductase family 1, member C1 (dihydrodiol dehydrogenase 1; 20-alpha (3-alpha)-hydroxysteroid dehydrogenase)

aldo-keto reductase family 1, member C1 (dihydrodiol dehydrogenase 1; 20-alpha (3-alpha)-hydroxysteroid dehydrogenase)

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_001353	AKR1C1	aldo-keto reductase family 1, member C1 (dihydrodiol dehydrogenase 1; 20-alpha (3-alpha)-hydroxysteroid dehydrogenase)	1.065868	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001354	AKR1C2	aldo-keto reductase family 1, member C2 (dihydrodiol dehydrogenase 2; bile acid binding protein; 3-alpha hydroxysteroid dehydrogenase, type III)	-1.43336	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001354	AKR1C2	aldo-keto reductase family 1, member C2 (dihydrodiol dehydrogenase 2; bile acid binding protein; 3-alpha hydroxysteroid dehydrogenase, type III)	-1.323883	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_001354	AKR1C2	aldo-keto reductase family 1, member C2 (dihydrodiol dehydrogenase 2; bile acid binding protein; 3-alpha hydroxysteroid dehydrogenase, type III)	-0.733663	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001354	AKR1C2	aldo-keto reductase family 1, member C2 (dihydrodiol dehydrogenase 2; bile acid binding protein; 3-alpha hydroxysteroid dehydrogenase, type III)	-0.005681	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0013 54	AKR1C2	aldo-keto reductase family 1, member C2 (dihydrodiol dehydrogenase 2; bile acid binding protein; 3-alpha hydroxysteroid dehydrogenase, type III)	0.005681	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0013 54	AKR1C2	aldo-keto reductase family 1, member C2 (dihydrodiol dehydrogenase 2; bile acid binding protein; 3-alpha hydroxysteroid dehydrogenase, type III)	0.275929	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			aldo-keto reductase family 1, member C2 (dihydrodiol dehydrogenase 2; bile acid binding protein; 3-alpha hydroxysteroid dehydrogenase, type III)	
siRNA Disorazole DMSO Run2	NM_0013 54	AKR1C2		0.615337 Inlier
			aldo-keto reductase family 1, member C2 (dihydrodiol dehydrogenase 2; bile acid binding protein; 3-alpha hydroxysteroid dehydrogenase, type III)	
siRNA Disorazole DMSO Run3	NM_0013 54	AKR1C2		0.787944 Inlier
			aldo-keto reductase family 1, member C3 (3-alpha hydroxysteroid dehydrogenase, type II)	
siRNA-Temozolomide Run1-DMSO	NM_0037 39	AKR1C3		-0.807206 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0037 39	AKR1C3	aldo-keto reductase family 1, member C3 (3-alpha hydroxysteroid dehydrogenase, type II)	-0.541794	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0037 39	AKR1C3	aldo-keto reductase family 1, member C3 (3-alpha hydroxysteroid dehydrogenase, type II)	-0.415279	Inlier
siRNA Disorazole DMSO Run2	NM_0037 39	AKR1C3	aldo-keto reductase family 1, member C3 (3-alpha hydroxysteroid dehydrogenase, type II)	-0.187532	Inlier
siRNA Disorazole DMSO Run1	NM_0037 39	AKR1C3	aldo-keto reductase family 1, member C3 (3-alpha hydroxysteroid dehydrogenase, type II)	0.187533	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0037 39	AKR1C3	aldo-keto reductase family 1, member C3 (3-alpha hydroxysteroid dehydrogenase, type II)	0.893414	Inlier
siRNA Disorazole DMSO Run3	NM_0037 39	AKR1C3	aldo-keto reductase family 1, member C3 (3-alpha hydroxysteroid dehydrogenase, type II)	1.100392	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0037 39	AKR1C3	aldo-keto reductase family 1, member C3 (3-alpha hydroxysteroid dehydrogenase, type II)	1.323544	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0018 18	AKR1C4	aldo-keto reductase family 1, member C4 (chlordecone reductase; 3-alpha hydroxysteroid dehydrogenase, type I; dihydrodiol dehydrogenase 4)	-1.816207	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_001818	AKR1C4	aldo-keto reductase family 1, member C4 (chlordecone reductase; 3-alpha hydroxysteroid dehydrogenase, type I; dihydrodiol dehydrogenase 4)	-0.958374	Inlier
------------------------------	-----------	--------	--	-----------	--------

siRNA-Temozolomide Run1-DMSO	NM_001818	AKR1C4	aldo-keto reductase family 1, member C4 (chlordecone reductase; 3-alpha hydroxysteroid dehydrogenase, type I; dihydrodiol dehydrogenase 4)	-0.917051	Inlier
------------------------------	-----------	--------	--	-----------	--------

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_001818	AKR1C4	aldo-keto reductase family 1, member C4 (chlordecone reductase; 3-alpha hydroxysteroid dehydrogenase, type I; dihydrodiol dehydrogenase 4)	-0.004027	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001818	AKR1C4	aldo-keto reductase family 1, member C4 (chlordecone reductase; 3-alpha hydroxysteroid dehydrogenase, type I; dihydrodiol dehydrogenase 4)	0.004026	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	18	NM_0018	AKR1C4	aldo-keto reductase family 1, member C4 (chlordecone reductase; 3-alpha hydroxysteroid dehydrogenase, type I; dihydrodiol dehydrogenase 4)	0.279377	Inlier
----------------------------	----	---------	--------	--	----------	--------

siRNA Disorazole DMSO Run3	18	NM_0018	AKR1C4	aldo-keto reductase family 1, member C4 (chlordecone reductase; 3-alpha hydroxysteroid dehydrogenase, type I; dihydrodiol dehydrogenase 4)	0.431949	Inlier
----------------------------	----	---------	--------	--	----------	--------

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0018 18	AKR1C4	aldo-keto reductase family 1, member C4 (chlordecone reductase; 3-alpha hydroxysteroid dehydrogenase, type I; dihydrodiol dehydrogenase 4)	1.714015	Inlier
siRNA Disorazole DMSO Run3	NM_0314 36	AKR1CL2	aldo-keto reductase family 1, member C-like 2	-0.729231	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0314 36	AKR1CL2	aldo-keto reductase family 1, member C-like 2	-0.619769	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0314 36	AKR1CL2	aldo-keto reductase family 1, member C-like 2	-0.249924	Inlier
siRNA Disorazole DMSO Run1	NM_0314 36	AKR1CL2	aldo-keto reductase family 1, member C-like 2	-0.232948	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0314 36	AKR1CL2	aldo-keto reductase family 1, member C-like 2	0.232948	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0314 36	AKR1CL2	aldo-keto reductase family 1, member C-like 2	0.790096	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0314 36	AKR1CL2	aldo-keto reductase family 1, member C-like 2	2.071513	Inlier
siRNA Disorazole DMSO Run2	NM_0314 36	AKR1CL2	aldo-keto reductase family 1, member C-like 2	2.92399	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0059 89	AKR1D1	aldo-keto reductase family 1, member D1 (delta 4-3-ketosteroid-5-beta-reductase)	-2.198301	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0059 89	AKR1D1	aldo-keto reductase family 1, member D1 (delta 4-3-ketosteroid-5-beta-reductase)	-1.806505	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0059 89	AKR1D1	aldo-keto reductase family 1, member D1 (delta 4-3-ketosteroid-5-beta-reductase)	-0.625277	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0059 89	AKR1D1	aldo-keto reductase family 1, member D1 (delta 4-3-ketosteroid-5-beta-reductase)	-0.131882	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0059 89	AKR1D1	aldo-keto reductase family 1, member D1 (delta 4-3- ketosteroi d-5-beta- reductase)	0.131881	Inlier
siRNA Disorazole DMSO Run1	NM_0059 89	AKR1D1	aldo-keto reductase family 1, member D1 (delta 4-3- ketosteroi d-5-beta- reductase)	0.182328	Inlier
siRNA Disorazole DMSO Run3	NM_0059 89	AKR1D1	aldo-keto reductase family 1, member D1 (delta 4-3- ketosteroi d-5-beta- reductase)	0.723723	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0059 89	AKR1D1	aldo-keto reductase family 1, member D1 (delta 4-3- ketosteroi d-5-beta- reductase)	0.974765	Inlier
siRNA Disorazole DMSO Run1	NM_0036 89	AKR7A2	aldo-keto reductase family 7, member A2 (aflatoxin aldehyde reductase)	-0.753038	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_003689	AKR7A2	aldo-keto reductase family 7, member A2 (aflatoxin aldehyde reductase)	-0.595962	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003689	AKR7A2	aldo-keto reductase family 7, member A2 (aflatoxin aldehyde reductase)	-0.075291	Inlier
siRNA Disorazole DMSO Run3	NM_003689	AKR7A2	aldo-keto reductase family 7, member A2 (aflatoxin aldehyde reductase)	-0.015581	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003689	AKR7A2	aldo-keto reductase family 7, member A2 (aflatoxin aldehyde reductase)	0.015581	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003689	AKR7A2	aldo-keto reductase family 7, member A2 (aflatoxin aldehyde reductase)	1.381547	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0036 89	AKR7A2	aldo-keto reductase family 7, member A2 (aflatoxin aldehyde reductase)	2.350035	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0036 89	AKR7A2	aldo-keto reductase family 7, member A2 (aflatoxin aldehyde reductase)	2.579385	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0120 67	AKR7A3	aldo-keto reductase family 7, member A3 (aflatoxin aldehyde reductase)	-1.71946	Inlier
siRNA Disorazole DMSO Run1	NM_0120 67	AKR7A3	aldo-keto reductase family 7, member A3 (aflatoxin aldehyde reductase)	-1.614083	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0120 67	AKR7A3	aldo-keto reductase family 7, member A3 (aflatoxin aldehyde reductase)	-0.583387	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_012067	AKR7A3	aldo-keto reductase family 7, member A3 (aflatoxin aldehyde reductase)	-0.159429	Inlier
siRNA Disorazole DMSO Run3	NM_012067	AKR7A3	aldo-keto reductase family 7, member A3 (aflatoxin aldehyde reductase)	0.159427	Inlier
siRNA-Vinblastine Run2-DMSO	NM_012067	AKR7A3	aldo-keto reductase family 7, member A3 (aflatoxin aldehyde reductase)	0.441474	Inlier
siRNA-Vinblastine Run1-DMSO	NM_012067	AKR7A3	aldo-keto reductase family 7, member A3 (aflatoxin aldehyde reductase)	0.765613	Inlier
siRNA Disorazole DMSO Run2	NM_012067	AKR7A3	aldo-keto reductase family 7, member A3 (aflatoxin aldehyde reductase)	3.851829	Outlier
siRNA-Temozolomide Run2-DMSO	NM_001014432	AKT1	v-akt murine thymoma viral oncogene homolog 1	-0.897757	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0010 14432	AKT1	v-akt murine thymoma viral oncogene homolog 1	-0.879856	Inlier
siRNA Disorazole DMSO Run3	NM_0010 14432	AKT1	v-akt murine thymoma viral oncogene homolog 1	-0.469144	Inlier
siRNA Disorazole DMSO Run1	NM_0010 14432	AKT1	v-akt murine thymoma viral oncogene homolog 1	-0.164232	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 14432	AKT1	v-akt murine thymoma viral oncogene homolog 1	0.164232	Inlier
siRNA Disorazole DMSO Run2	NM_0010 14432	AKT1	v-akt murine thymoma viral oncogene homolog 1	0.434181	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 14432	AKT1	v-akt murine thymoma viral oncogene homolog 1	1.311807	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 14432	AKT1	v-akt murine thymoma viral oncogene homolog 1	1.348764	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0016 26	AKT2	v-akt murine thymoma viral oncogene homolog 2	-0.766467	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0016 26	AKT2	v-akt murine thymoma viral oncogene homolog 2	-0.752168	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0016 26	AKT2	v-akt murine thymoma viral oncogene homolog 2	-0.312506	Inlier
siRNA Disorazole DMSO Run3	NM_0016 26	AKT2	v-akt murine thymoma viral oncogene homolog 2	-0.13555	Inlier
siRNA Disorazole DMSO Run1	NM_0016 26	AKT2	v-akt murine thymoma viral oncogene homolog 2	0.13555	Inlier
siRNA Disorazole DMSO Run2	NM_0016 26	AKT2	v-akt murine thymoma viral oncogene homolog 2	0.596832	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0016 26	AKT2	v-akt murine thymoma viral oncogene homolog 2	0.968146	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_001626	AKT2	v-akt murine thymoma viral oncogene homolog 2	1.708104	Inlier
siRNA Disorazole DMSO Run1	NM_181690	AKT3	v-akt murine thymoma viral oncogene homolog 3 (protein kinase B, gamma)	-0.798962	Inlier
siRNA-Temozolomide Run3-DMSO	NM_181690	AKT3	v-akt murine thymoma viral oncogene homolog 3 (protein kinase B, gamma)	-0.550038	Inlier
siRNA Disorazole DMSO Run3	NM_181690	AKT3	v-akt murine thymoma viral oncogene homolog 3 (protein kinase B, gamma)	-0.309887	Inlier
siRNA-Temozolomide Run2-DMSO	NM_181690	AKT3	v-akt murine thymoma viral oncogene homolog 3 (protein kinase B, gamma)	-0.196499	Inlier
siRNA-Temozolomide Run1-DMSO	NM_181690	AKT3	v-akt murine thymoma viral oncogene homolog 3 (protein kinase B, gamma)	0.196499	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_1816 90	AKT3	v-akt murine thymoma viral oncogene homolog 3 (protein kinase B, gamma)	5.96897	Outlier
siRNA-Vinblastine Run2- DMSO	NM_1816 90	AKT3	v-akt murine thymoma viral oncogene homolog 3 (protein kinase B, gamma)	6.012547	Outlier
siRNA-Vinblastine Run1- DMSO	NM_1816 90	AKT3	v-akt murine thymoma viral oncogene homolog 3 (protein kinase B, gamma)	6.113482	Outlier
siRNA-Temozolomide Run3- DMSO	NM_0010 03945	ALAD	aminolevulinate, delta-	-1.918364	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0010 03945	ALAD	aminolevulinate, delta-	-0.553321	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0010 03945	ALAD	aminolevulinate, delta-	-0.42148	Inlier
siRNA Disorazole DMSO Run1	NM_0010 03945	ALAD	aminolevulinate, delta-	-0.2884	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0010 03945	ALAD	aminolevulinate, delta-	0.288399	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

				aminolevulinic acid, delta-	
siRNA Disorazole DMSO Run2	NM_0010 03945	ALAD		aminolevulinic acid, delta-	0.795679 Inlier
siRNA Disorazole DMSO Run3	NM_0010 03945	ALAD		aminolevulinic acid, delta-	1.028172 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 03945	ALAD		aminolevulinic acid, delta-	2.309081 Inlier
siRNA Disorazole DMSO Run1	NM_0006 88	ALAS1		aminolevulinic acid, delta-, synthase 1	-1.036903 Inlier
siRNA Disorazole DMSO Run3	NM_0006 88	ALAS1		aminolevulinic acid, delta-, synthase 1	-0.987903 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0006 88	ALAS1		aminolevulinic acid, delta-, synthase 1	-0.361097 Inlier
siRNA Disorazole DMSO Run2	NM_0006 88	ALAS1		aminolevulinic acid, delta-, synthase 1	-0.274714 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0006 88	ALAS1		aminolevulinic acid, delta-, synthase 1	0.274714 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0006 88	ALAS1		aminolevulinic acid, delta-, synthase 1	0.358228 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0006 88	ALAS1		aminolevulinic acid, delta-, synthase 1	1.743619 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_000688	ALAS1	aminolevulinate, delta-, synthase 1	2.380439	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000032	ALAS2	aminolevulinate, delta-, synthase 2 (sideroblastic/hypochromic anemia)	-1.207317	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000032	ALAS2	aminolevulinate, delta-, synthase 2 (sideroblastic/hypochromic anemia)	-0.828887	Inlier
siRNA Disorazole DMSO Run3	NM_000032	ALAS2	aminolevulinate, delta-, synthase 2 (sideroblastic/hypochromic anemia)	-0.714474	Inlier
siRNA Disorazole DMSO Run1	NM_000032	ALAS2	aminolevulinate, delta-, synthase 2 (sideroblastic/hypochromic anemia)	-0.02371	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000032	ALAS2	aminolevulinate, delta-, synthase 2 (sideroblastic/hypochromic anemia)	0.023709	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_000032	ALAS2	aminolevulinic acid synthase 2 (sideroblastic/hypochromic anemia)	0.56265	Inlier
siRNA Disorazole DMSO Run2	NM_000032	ALAS2	aminolevulinic acid synthase 2 (sideroblastic/hypochromic anemia)	0.634526	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000032	ALAS2	aminolevulinic acid synthase 2 (sideroblastic/hypochromic anemia)	3.6195	Outlier
siRNA Disorazole DMSO Run2	NM_002860	ALDH18A1	aldehyde dehydrogenase 18 family, member A1	-0.927817	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002860	ALDH18A1	aldehyde dehydrogenase 18 family, member A1	-0.421183	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002860	ALDH18A1	aldehyde dehydrogenase 18 family, member A1	-0.360013	Inlier
siRNA Disorazole DMSO Run3	NM_002860	ALDH18A1	aldehyde dehydrogenase 18 family, member A1	-0.223176	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Family	Member	Value	Outlier Type
siRNA-Temozolomide Run1-DMSO	NM_002860	ALDH18A1	aldehyde dehydrogenase 18 family,	member A1	0.223176	Inlier
siRNA Disorazole DMSO Run1	NM_002860	ALDH18A1	aldehyde dehydrogenase 18 family,	member A1	1.964322	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002860	ALDH18A1	aldehyde dehydrogenase 18 family,	member A1	2.550529	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002860	ALDH18A1	aldehyde dehydrogenase 18 family,	member A1	2.829411	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000689	ALDH1A1	aldehyde dehydrogenase 1 family,	member A1	-1.192904	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000689	ALDH1A1	aldehyde dehydrogenase 1 family,	member A1	-0.74363	Inlier
siRNA Disorazole DMSO Run2	NM_000689	ALDH1A1	aldehyde dehydrogenase 1 family,	member A1	-0.645585	Inlier
siRNA Disorazole DMSO Run3	NM_000689	ALDH1A1	aldehyde dehydrogenase 1 family,	member A1	-0.12747	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Family	Member	Value	Category
siRNA-Temozolomide Run1-DMSO	NM_000689	ALDH1A1	aldehyde dehydrogenase 1 family,	A1	0.12747	Inlier
siRNA Disorazole DMSO Run1	NM_000689	ALDH1A1	aldehyde dehydrogenase 1 family,	A1	0.321952	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000689	ALDH1A1	aldehyde dehydrogenase 1 family,	A1	0.703415	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000689	ALDH1A1	aldehyde dehydrogenase 1 family,	A1	1.013414	Inlier
siRNA-Temozolomide Run2-DMSO	NM_170697	ALDH1A2	aldehyde dehydrogenase 1 family,	A2	-1.889421	Inlier
siRNA-Temozolomide Run3-DMSO	NM_170697	ALDH1A2	aldehyde dehydrogenase 1 family,	A2	-0.60121	Inlier
siRNA-Temozolomide Run1-DMSO	NM_170697	ALDH1A2	aldehyde dehydrogenase 1 family,	A2	-0.447418	Inlier
siRNA Disorazole DMSO Run1	NM_170697	ALDH1A2	aldehyde dehydrogenase 1 family,	A2	-0.354351	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Accession	Score	Category
siRNA Disorazole DMSO Run2	NM_1706 97	ALDH1A2	aldehyde dehydrogenase 1 family, member A2	0.354352	Inlier
siRNA Disorazole DMSO Run3	NM_1706 97	ALDH1A2	aldehyde dehydrogenase 1 family, member A2	0.74779	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1706 97	ALDH1A2	aldehyde dehydrogenase 1 family, member A2	0.845747	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1706 97	ALDH1A2	aldehyde dehydrogenase 1 family, member A2	1.148659	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0006 93	ALDH1A3	aldehyde dehydrogenase 1 family, member A3	-3.40137	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0006 93	ALDH1A3	aldehyde dehydrogenase 1 family, member A3	-1.937146	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0006 93	ALDH1A3	aldehyde dehydrogenase 1 family, member A3	-0.351477	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0006 93	ALDH1A3	aldehyde dehydrogenase 1 family, member A3	-0.069592	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Accession	Score	Category
siRNA Disorazole DMSO Run1	NM_000693	ALDH1A3	A3	0.069592	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000693	ALDH1A3	A3	0.670096	Inlier
siRNA Disorazole DMSO Run2	NM_000693	ALDH1A3	A3	0.678904	Inlier
siRNA Disorazole DMSO Run3	NM_000693	ALDH1A3	A3	4.507441	Outlier
siRNA-Temozolomide Run3-DMSO	NM_000692	ALDH1B1	B1	-2.629931	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000692	ALDH1B1	B1	-0.692018	Inlier
siRNA Disorazole DMSO Run2	NM_000692	ALDH1B1	B1	-0.656982	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000692	ALDH1B1	B1	-0.231141	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0006 92	ALDH1B1	aldehyde dehydroge nase 1 family, member B1	0.23114	Inlier
siRNA Disorazole DMSO Run1	NM_0006 92	ALDH1B1	aldehyde dehydroge nase 1 family, member B1	0.462196	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0006 92	ALDH1B1	aldehyde dehydroge nase 1 family, member B1	1.141621	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0006 92	ALDH1B1	aldehyde dehydroge nase 2 family, member B1	2.11652	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0006 90	ALDH2	aldehyde dehydroge nase 2 family (mitochon drial)	-0.850395	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0006 90	ALDH2	aldehyde dehydroge nase 2 family (mitochon drial)	-0.742209	Inlier
siRNA Disorazole DMSO Run3	NM_0006 90	ALDH2	aldehyde dehydroge nase 2 family (mitochon drial)	-0.098598	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0006 90	ALDH2	aldehyde dehydroge nase 2 family (mitochon drial)	-0.052742	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Family	Value	Category
siRNA Disorazole DMSO Run1	NM_000690	ALDH2	aldehyde dehydrogenase 2 family (mitochondrial)	0.052742	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000690	ALDH2	aldehyde dehydrogenase 2 family (mitochondrial)	0.606791	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000690	ALDH2	aldehyde dehydrogenase 2 family (mitochondrial)	0.94128	Inlier
siRNA Disorazole DMSO Run2	NM_000690	ALDH2	aldehyde dehydrogenase 2 family (mitochondrial)	1.808832	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000691	ALDH3A1	aldehyde dehydrogenase 3 family, memberA1	-3.481216	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000691	ALDH3A1	aldehyde dehydrogenase 3 family, memberA1	-3.318534	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000691	ALDH3A1	aldehyde dehydrogenase 3 family, memberA1	-0.411347	Inlier
siRNA Disorazole DMSO Run1	NM_000691	ALDH3A1	aldehyde dehydrogenase 3 family, memberA1	-0.274681	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Accession	Value	Outlier Type
siRNA Disorazole DMSO Run3	NM_0006 91	ALDH3A1	1	0.274681	Inlier
siRNA Disorazole DMSO Run2	NM_0006 91	ALDH3A1	1	0.6524	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0006 91	ALDH3A1	1	0.6966	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0006 91	ALDH3A1	1	0.869289	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0003 82	ALDH3A2	A2	-1.216909	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0003 82	ALDH3A2	A2	-0.903859	Inlier
siRNA Disorazole DMSO Run1	NM_0003 82	ALDH3A2	A2	-0.379975	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0003 82	ALDH3A2	A2	-0.346556	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Family	Member	Value	Category
siRNA-Vinblastine Run2-DMSO	NM_000382	ALDH3A2	aldehyde dehydrogenase 3 family,	A2	0.346556	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000382	ALDH3A2	aldehyde dehydrogenase 3 family,	A2	0.445141	Inlier
siRNA Disorazole DMSO Run3	NM_000382	ALDH3A2	aldehyde dehydrogenase 3 family,	A2	0.93075	Inlier
siRNA Disorazole DMSO Run2	NM_000382	ALDH3A2	aldehyde dehydrogenase 3 family,	A2	1.69943	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000694	ALDH3B1	aldehyde dehydrogenase 3 family,	B1	-3.117689	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000694	ALDH3B1	aldehyde dehydrogenase 3 family,	B1	-2.502349	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000694	ALDH3B1	aldehyde dehydrogenase 3 family,	B1	-0.67234	Inlier
siRNA Disorazole DMSO Run1	NM_000694	ALDH3B1	aldehyde dehydrogenase 3 family,	B1	-0.20752	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Family	Member	Z-score	Outlier Type
siRNA Disorazole DMSO Run3	NM_000694	ALDH3B1	aldehyde dehydrogenase 3 family,	B1	0.20752	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000694	ALDH3B1	aldehyde dehydrogenase 3 family,	B1	0.468618	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000694	ALDH3B1	aldehyde dehydrogenase 3 family,	B1	0.67666	Inlier
siRNA Disorazole DMSO Run2	NM_000694	ALDH3B1	aldehyde dehydrogenase 3 family,	B1	0.874967	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000695	ALDH3B2	aldehyde dehydrogenase 3 family,	B2	-1.746714	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000695	ALDH3B2	aldehyde dehydrogenase 3 family,	B2	-1.703682	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000695	ALDH3B2	aldehyde dehydrogenase 3 family,	B2	-0.177594	Inlier
siRNA Disorazole DMSO Run3	NM_000695	ALDH3B2	aldehyde dehydrogenase 3 family,	B2	-0.049997	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Family	Member	Value	Outlier Type
siRNA Disorazole DMSO Run1	NM_000695	ALDH3B2	aldehyde dehydrogenase 3 family,	B2	0.049997	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000695	ALDH3B2	aldehyde dehydrogenase 3 family,	B2	0.420943	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000695	ALDH3B2	aldehyde dehydrogenase 3 family,	B2	0.928057	Inlier
siRNA Disorazole DMSO Run2	NM_000695	ALDH3B2	aldehyde dehydrogenase 3 family,	B2	2.491864	Inlier
siRNA-Temozolomide Run2-DMSO	NM_170726	ALDH4A1	aldehyde dehydrogenase 4 family,	A1	-1.13846	Inlier
siRNA-Temozolomide Run3-DMSO	NM_170726	ALDH4A1	aldehyde dehydrogenase 4 family,	A1	-0.938911	Inlier
siRNA-Temozolomide Run1-DMSO	NM_170726	ALDH4A1	aldehyde dehydrogenase 4 family,	A1	-0.676562	Inlier
siRNA Disorazole DMSO Run1	NM_170726	ALDH4A1	aldehyde dehydrogenase 4 family,	A1	-0.049893	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_1707 26	ALDH4A1	aldehyde dehydroge nase 4 family, member A1	0.049893	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1707 26	ALDH4A1	aldehyde dehydroge nase 4 family, member A1	0.226206	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1707 26	ALDH4A1	aldehyde dehydroge nase 4 family, member A1	0.672438	Inlier
siRNA Disorazole DMSO Run3	NM_1707 26	ALDH4A1	aldehyde dehydroge nase 4 family, member A1	1.089403	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0010 80	ALDH5A1	aldehyde dehydroge nase 5 family, member A1 (succinate- semialdeh yde dehydroge nase)	-1.600278	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0010 80	ALDH5A1	aldehyde dehydroge nase 5 family, member A1 (succinate- semialdeh yde dehydroge nase)	-1.322089	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0010 80	ALDH5A1	aldehyde dehydroge nase 5 family, member A1 (succinate- semialdeh yde dehydroge nase)	-0.645652	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0010 80	ALDH5A1	aldehyde dehydroge nase 5 family, member A1 (succinate- semialdeh yde dehydroge nase)	-0.013169	Inlier
siRNA Disorazole DMSO Run2	NM_0010 80	ALDH5A1	aldehyde dehydroge nase 5 family, member A1 (succinate- semialdeh yde dehydroge nase)	0.013168	Inlier
siRNA Disorazole DMSO Run1	NM_0010 80	ALDH5A1	aldehyde dehydroge nase 5 family, member A1 (succinate- semialdeh yde dehydroge nase)	0.017141	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_001080	ALDH5A1	aldehyde dehydrogenase 5 family, member A1 (succinate-semialdehyde dehydrogenase)	0.703348	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001080	ALDH5A1	aldehyde dehydrogenase 5 family, member A1 (succinate-semialdehyde dehydrogenase)	0.887496	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005589	ALDH6A1	aldehyde dehydrogenase 6 family, member A1	-1.851969	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005589	ALDH6A1	aldehyde dehydrogenase 6 family, member A1	-0.527662	Inlier
siRNA Disorazole DMSO Run1	NM_005589	ALDH6A1	aldehyde dehydrogenase 6 family, member A1	-0.449617	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005589	ALDH6A1	aldehyde dehydrogenase 6 family, member A1	-0.0194	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Family	Member	Value	Category
siRNA-Temozolomide Run3-DMSO	NM_005589	ALDH6A1	aldehyde dehydrogenase 6 family,	A1	0.0194	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005589	ALDH6A1	aldehyde dehydrogenase 6 family,	A1	0.821338	Inlier
siRNA Disorazole DMSO Run3	NM_005589	ALDH6A1	aldehyde dehydrogenase 6 family,	A1	1.448071	Inlier
siRNA Disorazole DMSO Run2	NM_005589	ALDH6A1	aldehyde dehydrogenase 6 family,	A1	2.396359	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001182	ALDH7A1	aldehyde dehydrogenase 7 family,	A1	-1.889195	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001182	ALDH7A1	aldehyde dehydrogenase 7 family,	A1	-1.864344	Inlier
siRNA Disorazole DMSO Run1	NM_001182	ALDH7A1	aldehyde dehydrogenase 7 family,	A1	-0.788447	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001182	ALDH7A1	aldehyde dehydrogenase 7 family,	A1	-0.297399	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Family	Member	Value	Outlier Status
siRNA Disorazole DMSO Run2	NM_0011 82	ALDH7A1	aldehyde dehydrogenase 7 family,	A1	0.297399	Inlier
siRNA Disorazole DMSO Run3	NM_0011 82	ALDH7A1	aldehyde dehydrogenase 7 family,	A1	0.384175	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0011 82	ALDH7A1	aldehyde dehydrogenase 7 family,	A1	0.560553	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0011 82	ALDH7A1	aldehyde dehydrogenase 8 family,	A1	0.885963	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0225 68	ALDH8A1	aldehyde dehydrogenase 8 family,	A1	-0.804738	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0225 68	ALDH8A1	aldehyde dehydrogenase 8 family,	A1	-0.70467	Inlier
siRNA Disorazole DMSO Run3	NM_0225 68	ALDH8A1	aldehyde dehydrogenase 8 family,	A1	-0.115922	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0225 68	ALDH8A1	aldehyde dehydrogenase 8 family,	A1	-0.056118	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Family	Member	Value	Outlier Type
siRNA Disorazole DMSO Run1	NM_0225 68	ALDH8A1	aldehyde dehydrogenase 8 family,	A1	0.056119	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0225 68	ALDH8A1	aldehyde dehydrogenase 8 family,	A1	0.64433	Inlier
siRNA Disorazole DMSO Run2	NM_0225 68	ALDH8A1	aldehyde dehydrogenase 8 family,	A1	0.758981	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0225 68	ALDH8A1	aldehyde dehydrogenase 8 family,	A1	0.777586	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0006 96	ALDH9A1	aldehyde dehydrogenase 9 family,	A1	-1.09485	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0006 96	ALDH9A1	aldehyde dehydrogenase 9 family,	A1	-0.25415	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0006 96	ALDH9A1	aldehyde dehydrogenase 9 family,	A1	-0.121693	Inlier
siRNA Disorazole DMSO Run3	NM_0006 96	ALDH9A1	aldehyde dehydrogenase 9 family,	A1	-0.107655	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0006 96	ALDH9A1	aldehyde dehydroge nase 9 family, member A1	0.107655	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0006 96	ALDH9A1	aldehyde dehydroge nase 9 family, member A1	1.205968	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0006 96	ALDH9A1	aldehyde dehydroge nase 9 family, member A1	1.272059	Inlier
siRNA Disorazole DMSO Run2	NM_0006 96	ALDH9A1	aldehyde dehydroge nase 9 family, member A1	2.703008	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1840 41	ALDOA	aldolase A, fructose- bisphosph ate	-2.337592	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1840 41	ALDOA	aldolase A, fructose- bisphosph ate	-1.254431	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1840 41	ALDOA	aldolase A, fructose- bisphosph ate	-0.927626	Inlier
siRNA Disorazole DMSO Run3	NM_1840 41	ALDOA	aldolase A, fructose- bisphosph ate	-0.162716	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1840 41	ALDOA	aldolase A, fructose- bisphosph ate	0.162715	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1840 41	ALDOA	aldolase A, fructose- bisphosph ate	0.17363 Inlier
siRNA Disorazole DMSO Run2	NM_1840 41	ALDOA	aldolase A, fructose- bisphosph ate	0.421374 Inlier
siRNA-Vinblastine Run1- DMSO	NM_1840 41	ALDOA	aldolase A, fructose- bisphosph ate	1.166998 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0000 35	ALDOB	aldolase B, fructose- bisphosph ate	-1.341709 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0000 35	ALDOB	aldolase B, fructose- bisphosph ate	-0.965434 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0000 35	ALDOB	aldolase B, fructose- bisphosph ate	-0.399707 Inlier
siRNA Disorazole DMSO Run1	NM_0000 35	ALDOB	aldolase B, fructose- bisphosph ate	-0.21192 Inlier
siRNA Disorazole DMSO Run3	NM_0000 35	ALDOB	aldolase B, fructose- bisphosph ate	0.21192 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0000 35	ALDOB	aldolase B, fructose- bisphosph ate	0.24168 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0000 35	ALDOB	aldolase B, fructose- bisphosph ate	0.949293 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0000 35	ALDOB	aldolase B, fructose- bisphosph ate	1.016995 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0051 65	ALDOC	aldolase C, fructose- bisphosph ate	-1.601092 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0051 65	ALDOC	aldolase C, fructose- bisphosph ate	-1.132691 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0051 65	ALDOC	aldolase C, fructose- bisphosph ate	-0.63826 Inlier
siRNA Disorazole DMSO Run1	NM_0051 65	ALDOC	aldolase C, fructose- bisphosph ate	-0.046834 Inlier
siRNA Disorazole DMSO Run3	NM_0051 65	ALDOC	aldolase C, fructose- bisphosph ate	0.046834 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0051 65	ALDOC	aldolase C, fructose- bisphosph ate	0.66938 Inlier
siRNA Disorazole DMSO Run2	NM_0051 65	ALDOC	aldolase C, fructose- bisphosph ate	0.67962 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0051 65	ALDOC	aldolase C, fructose- bisphosph ate	0.92984 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0175 84	ALDRL6	aldehyde reductase (aldose reductase) like 6	-0.911516 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0175 84	ALDRL6	aldehyde reductase (aldose reductase) like 6	-0.437484	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0175 84	ALDRL6	aldehyde reductase (aldose reductase) like 6	-0.307173	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0175 84	ALDRL6	aldehyde reductase (aldose reductase) like 6	-0.188362	Inlier
siRNA Disorazole DMSO Run1	NM_0175 84	ALDRL6	aldehyde reductase (aldose reductase) like 6	0.188362	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0175 84	ALDRL6	aldehyde reductase (aldose reductase) like 6	1.027644	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0175 84	ALDRL6	aldehyde reductase (aldose reductase) like 6	1.690886	Inlier
siRNA Disorazole DMSO Run2	NM_0175 84	ALDRL6	aldehyde reductase (aldose reductase) like 6	1.856057	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0191 09	ALG1	asparagin e-linked glycosylation 1 homolog (yeast, beta-1,4-mannosyltransferase)	-1.973775	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_019109	ALG1	asparagin e-linked glycosylati on 1 homolog (yeast, beta-1,4- mannosylt ransferase)	-1.405184	Inlier
siRNA-Temozolomide Run2-DMSO	NM_019109	ALG1	asparagin e-linked glycosylati on 1 homolog (yeast, beta-1,4- mannosylt ransferase)	-1.059568	Inlier
siRNA Disorazole DMSO Run1	NM_019109	ALG1	asparagin e-linked glycosylati on 1 homolog (yeast, beta-1,4- mannosylt ransferase)	-0.366479	Inlier
siRNA-Vinblastine Run2-DMSO	NM_019109	ALG1	asparagin e-linked glycosylati on 1 homolog (yeast, beta-1,4- mannosylt ransferase)	0.366479	Inlier
siRNA-Vinblastine Run1-DMSO	NM_019109	ALG1	asparagin e-linked glycosylati on 1 homolog (yeast, beta-1,4- mannosylt ransferase)	0.51318	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0191 09	ALG1	asparagin e-linked glycosylati on 1 homolog (yeast, beta-1,4- mannosylt ransferase)	0.596328	Inlier
siRNA Disorazole DMSO Run3	NM_0191 09	ALG1	asparagin e-linked glycosylati on 1 homolog (yeast, beta-1,4- mannosylt ransferase)	0.752672	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0241 05	ALG12	asparagin e-linked glycosylati on 12 homolog (yeast, alpha-1,6- mannosylt ransferase)	-0.81962	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0241 05	ALG12	asparagin e-linked glycosylati on 12 homolog (yeast, alpha-1,6- mannosylt ransferase)	-0.781596	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0241 05	ALG12	asparagin e-linked glycosylati on 12 homolog (yeast, alpha-1,6- mannosylt ransferase)	-0.567404	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0241 05	ALG12	asparagin e-linked glycosylati on 12 homolog (yeast, alpha-1,6- mannosylt ransferase)	-0.23604	Inlier
siRNA Disorazole DMSO Run1	NM_0241 05	ALG12	asparagin e-linked glycosylati on 12 homolog (yeast, alpha-1,6- mannosylt ransferase)	0.23604	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0241 05	ALG12	asparagin e-linked glycosylati on 12 homolog (yeast, alpha-1,6- mannosylt ransferase)	0.263521	Inlier
siRNA Disorazole DMSO Run2	NM_0241 05	ALG12	asparagin e-linked glycosylati on 12 homolog (yeast, alpha-1,6- mannosylt ransferase)	1.601304	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0241 05	ALG12	asparagin e-linked glycosylati on 12 homolog (yeast, alpha-1,6- mannosylt ransferase)	1.808683	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_033087	ALG2	asparagin e-linked glycosylati on 2 homolog (yeast, alpha-1,3- mannosylt ransferase)	-0.986633	Inlier
siRNA-Temozolomide Run2-DMSO	NM_033087	ALG2	asparagin e-linked glycosylati on 2 homolog (yeast, alpha-1,3- mannosylt ransferase)	-0.638908	Inlier
siRNA Disorazole DMSO Run1	NM_033087	ALG2	asparagin e-linked glycosylati on 2 homolog (yeast, alpha-1,3- mannosylt ransferase)	-0.538811	Inlier
siRNA-Temozolomide Run3-DMSO	NM_033087	ALG2	asparagin e-linked glycosylati on 2 homolog (yeast, alpha-1,3- mannosylt ransferase)	-0.404131	Inlier
siRNA-Vinblastine Run2-DMSO	NM_033087	ALG2	asparagin e-linked glycosylati on 2 homolog (yeast, alpha-1,3- mannosylt ransferase)	0.404131	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0330 87	ALG2	asparagin e-linked glycosylati on 2 homolog (yeast, alpha-1,3- mannosylt ransferase)	0.710092	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0330 87	ALG2	asparagin e-linked glycosylati on 2 homolog (yeast, alpha-1,3- mannosylt ransferase)	1.45189	Inlier
siRNA Disorazole DMSO Run2	NM_0330 87	ALG2	asparagin e-linked glycosylati on 3 homolog (yeast, alpha-1,3- mannosylt ransferase)	1.682702	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0057 87	ALG3	asparagin e-linked glycosylati on 3 homolog (yeast, alpha-1,3- mannosylt ransferase)	-1.399413	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0057 87	ALG3	asparagin e-linked glycosylati on 3 homolog (yeast, alpha-1,3- mannosylt ransferase)	-0.191152	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Cell Line	Condition	Log Fold Change	Outlier Status
siRNA-Vinblastine Run2-DMSO	NM_005787	ALG3		-0.167282	Inlier
siRNA Disorazole DMSO Run1	NM_005787	ALG3		-0.093925	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005787	ALG3		0.093925	Inlier
siRNA Disorazole DMSO Run3	NM_005787	ALG3		1.157848	Inlier
siRNA Disorazole DMSO Run2	NM_005787	ALG3		1.826567	Inlier

asparagin
e-linked
glycosylati
on 3
homolog
(yeast,
alpha-1,3-
mannosylt
ransferase
)
asparagin
e-linked
glycosylati
on 3
homolog
(yeast,
alpha-1,3-
mannosylt
ransferase
)
asparagin
e-linked
glycosylati
on 3
homolog
(yeast,
alpha-1,3-
mannosylt
ransferase
)
asparagin
e-linked
glycosylati
on 3
homolog
(yeast,
alpha-1,3-
mannosylt
ransferase
)
asparagin
e-linked
glycosylati
on 3
homolog
(yeast,
alpha-1,3-
mannosylt
ransferase
)

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_005787	ALG3	asparagin e-linked glycosylation on 3 homolog (yeast, alpha-1,3-mannosyltransferase)	2.997325	Inlier
siRNA-Temozolomide Run1-DMSO	NM_013338	ALG5	asparagin e-linked glycosylation on 5 homolog (yeast, dolichyl-phosphate beta-glucosyltransferase)	-1.881312	Inlier
siRNA Disorazole DMSO Run1	NM_013338	ALG5	asparagin e-linked glycosylation on 5 homolog (yeast, dolichyl-phosphate beta-glucosyltransferase)	-0.815464	Inlier
siRNA-Temozolomide Run2-DMSO	NM_013338	ALG5	asparagin e-linked glycosylation on 5 homolog (yeast, dolichyl-phosphate beta-glucosyltransferase)	-0.44136	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0133 38	ALG5	asparagin e-linked glycosylati on 5 homolog (yeast, dolichyl- phosphate beta- glucosyltra nsferase)	-0.103479	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0133 38	ALG5	asparagin e-linked glycosylati on 5 homolog (yeast, dolichyl- phosphate beta- glucosyltra nsferase)	0.103478	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0133 38	ALG5	asparagin e-linked glycosylati on 5 homolog (yeast, dolichyl- phosphate beta- glucosyltra nsferase)	0.587167	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0133 38	ALG5	asparagin e-linked glycosylati on 5 homolog (yeast, dolichyl- phosphate beta- glucosyltra nsferase)	0.761833	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0133 38	ALG5	asparagin e-linked glycosylati on 5 homolog (yeast, dolichyl- phosphate beta- glucosyltra nsferase)	0.905414	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0133 39	ALG6	asparagin e-linked glycosylati on 6 homolog (yeast, alpha-1,3- glucosyltra nsferase)	-1.625847	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0133 39	ALG6	asparagin e-linked glycosylati on 6 homolog (yeast, alpha-1,3- glucosyltra nsferase)	-1.035928	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0133 39	ALG6	asparagin e-linked glycosylati on 6 homolog (yeast, alpha-1,3- glucosyltra nsferase)	-0.903261	Inlier
siRNA Disorazole DMSO Run1	NM_0133 39	ALG6	asparagin e-linked glycosylati on 6 homolog (yeast, alpha-1,3- glucosyltra nsferase)	-0.099371	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0133 39	ALG6	asparagin e-linked glycosylati on 6 homolog (yeast, alpha-1,3- glucosyltra nsferase)	0.099371	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0133 39	ALG6	asparagin e-linked glycosylati on 6 homolog (yeast, alpha-1,3- glucosyltra nsferase)	0.243737	Inlier
siRNA Disorazole DMSO Run2	NM_0133 39	ALG6	asparagin e-linked glycosylati on 6 homolog (yeast, alpha-1,3- glucosyltra nsferase)	0.445739	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0133 39	ALG6	asparagin e-linked glycosylati on 6 homolog (yeast, alpha-1,3- glucosyltra nsferase)	1.358352	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0010 07027	ALG8	asparagin e-linked glycosylati on 8 homolog (yeast, alpha-1,3- glucosyltra nsferase)	-1.494582	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_001007027	ALG8	asparagin e-linked glycosylation on 8 homolog (yeast, alpha-1,3-glucosyltransferase)	-1.062424	Inlier
siRNA Disorazole DMSO Run1	NM_001007027	ALG8	asparagin e-linked glycosylation on 8 homolog (yeast, alpha-1,3-glucosyltransferase)	-0.979877	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001007027	ALG8	asparagin e-linked glycosylation on 8 homolog (yeast, alpha-1,3-glucosyltransferase)	-0.089166	Inlier
siRNA Disorazole DMSO Run3	NM_001007027	ALG8	asparagin e-linked glycosylation on 8 homolog (yeast, alpha-1,3-glucosyltransferase)	0.089166	Inlier
siRNA Disorazole DMSO Run2	NM_001007027	ALG8	asparagin e-linked glycosylation on 8 homolog (yeast, alpha-1,3-glucosyltransferase)	0.361574	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_001007027	ALG8	asparagin e-linked glycosylation on 8 homolog (yeast, alpha-1,3-glucosyltransferase)	0.369123	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001007027	ALG8	asparagin e-linked glycosylation on 8 homolog (yeast, alpha-1,3-glucosyltransferase)	1.131627	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004304	ALK	anaplastic lymphoma kinase (K1)	-1.19622	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004304	ALK	anaplastic lymphoma kinase (K1)	-1.11096	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004304	ALK	anaplastic lymphoma kinase (K1)	-0.950979	Inlier
siRNA Disorazole DMSO Run1	NM_004304	ALK	anaplastic lymphoma kinase (K1)	-0.039207	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004304	ALK	anaplastic lymphoma kinase (K1)	0.039207	Inlier
siRNA Disorazole DMSO Run2	NM_004304	ALK	anaplastic lymphoma kinase (K1)	0.514511	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004304	ALK	anaplastic lymphoma kinase (K1)	0.572618	Inlier
siRNA Disorazole DMSO Run3	NM_004304	ALK	anaplastic lymphoma kinase (K1)	0.776382	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0060 20	ALKBH	alkB, alkylation repair homolog (E. coli)	-1.038587	Inlier
siRNA Disorazole DMSO Run1	NM_0060 20	ALKBH	alkB, alkylation repair homolog (E. coli)	-0.986344	Inlier
siRNA Disorazole DMSO Run3	NM_0060 20	ALKBH	alkB, alkylation repair homolog (E. coli)	-0.310921	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0060 20	ALKBH	alkB, alkylation repair homolog (E. coli)	-0.014138	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0060 20	ALKBH	alkB, alkylation repair homolog (E. coli)	0.014137	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0060 20	ALKBH	alkB, alkylation repair homolog (E. coli)	0.465049	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0060 20	ALKBH	alkB, alkylation repair homolog (E. coli)	0.883951	Inlier
siRNA Disorazole DMSO Run2	NM_0060 20	ALKBH	alkB, alkylation repair homolog (E. coli)	1.174692	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0006 97	ALOX12	arachidon ate 12- lipoxygena se	-1.505009	Inlier
siRNA Disorazole DMSO Run1	NM_0006 97	ALOX12	arachidon ate 12- lipoxygena se	-0.535757	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0006 97	ALOX12	arachidon ate 12- lipoxygena se	-0.473281	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_000697	ALOX12	arachidonate 12-lipoxygenase	-0.401103	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000697	ALOX12	arachidonate 12-lipoxygenase	0.401103	Inlier
siRNA Disorazole DMSO Run3	NM_000697	ALOX12	arachidonate 12-lipoxygenase	0.813243	Inlier
siRNA Disorazole DMSO Run2	NM_000697	ALOX12	arachidonate 12-lipoxygenase	1.028641	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000697	ALOX12	arachidonate 12-lipoxygenase	1.969624	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001139	ALOX12B	arachidonate 12-lipoxygenase, 12R type	-0.755979	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001139	ALOX12B	arachidonate 12-lipoxygenase, 12R type	-0.593021	Inlier
siRNA Disorazole DMSO Run1	NM_001139	ALOX12B	arachidonate 12-lipoxygenase, 12R type	-0.410851	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001139	ALOX12B	arachidonate 12-lipoxygenase, 12R type	-0.202455	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001139	ALOX12B	arachidonate 12-lipoxygenase, 12R type	0.202455	Inlier
siRNA Disorazole DMSO Run3	NM_001139	ALOX12B	arachidonate 12-lipoxygenase, 12R type	0.835227	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0011 39	ALOX12B	arachidonate 12-lipoxygenase, 12R type	1.162425	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0011 39	ALOX12B	arachidonate 12-lipoxygenase, 12R type	1.586163	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0011 40	ALOX15	arachidonate 15-lipoxygenase	-0.710988	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0011 40	ALOX15	arachidonate 15-lipoxygenase	-0.638012	Inlier
siRNA Disorazole DMSO Run1	NM_0011 40	ALOX15	arachidonate 15-lipoxygenase	-0.165926	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0011 40	ALOX15	arachidonate 15-lipoxygenase	-0.086717	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0011 40	ALOX15	arachidonate 15-lipoxygenase	0.086717	Inlier
siRNA Disorazole DMSO Run3	NM_0011 40	ALOX15	arachidonate 15-lipoxygenase	0.950593	Inlier
siRNA Disorazole DMSO Run2	NM_0011 40	ALOX15	arachidonate 15-lipoxygenase	1.231878	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0011 40	ALOX15	arachidonate 15-lipoxygenase	1.87821	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0011 41	ALOX15B	arachidonate 15-lipoxygenase, second type	-0.717593	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0011 41	ALOX15B	arachidonate 15-lipoxygenase, second type	-0.631407	Inlier
siRNA Disorazole DMSO Run1	NM_0011 41	ALOX15B	arachidonate 15-lipoxygenase, second type	-0.305305	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0011 41	ALOX15B	arachidonate 15-lipoxygenase, second type	-0.059398	Inlier
siRNA Disorazole DMSO Run3	NM_0011 41	ALOX15B	arachidonate 15-lipoxygenase, second type	0.059398	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0011 41	ALOX15B	arachidonate 15-lipoxygenase, second type	0.766803	Inlier
siRNA Disorazole DMSO Run2	NM_0011 41	ALOX15B	arachidonate 15-lipoxygenase, second type	5.694561	Outlier
siRNA-Vinblastine Run1-DMSO	NM_0011 41	ALOX15B	arachidonate 15-lipoxygenase, second type	6.771685	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0006 98	ALOX5	arachidonate 5-lipoxygenase	-1.788678	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0006 98	ALOX5	arachidonate 5-lipoxygenase	-0.867234	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_000698	ALOX5	arachidonate 5-lipoxygenase	-0.481766	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000698	ALOX5	arachidonate 5-lipoxygenase	-0.026711	Inlier
siRNA Disorazole DMSO Run3	NM_000698	ALOX5	arachidonate 5-lipoxygenase	0.026711	Inlier
siRNA Disorazole DMSO Run1	NM_000698	ALOX5	arachidonate 5-lipoxygenase	0.37336	Inlier
siRNA Disorazole DMSO Run2	NM_000698	ALOX5	arachidonate 5-lipoxygenase	2.043755	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000698	ALOX5	arachidonate 5-lipoxygenase	2.96984	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001629	ALOX5AP	arachidonate 5-lipoxygenase-activating protein	-1.644944	Inlier
siRNA Disorazole DMSO Run1	NM_001629	ALOX5AP	arachidonate 5-lipoxygenase-activating protein	-0.877376	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001629	ALOX5AP	arachidonate 5-lipoxygenase-activating protein	-0.573704	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001629	ALOX5AP	arachidonate 5-lipoxygenase-activating protein	-0.461395	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Value	Category
siRNA-Vinblastine Run2-DMSO	NM_001629	ALOX5AP	arachidonate 5-lipoxygenase-activating protein	0.461395	Inlier
siRNA Disorazole DMSO Run3	NM_001629	ALOX5AP	arachidonate 5-lipoxygenase-activating protein	0.638333	Inlier
siRNA Disorazole DMSO Run2	NM_001629	ALOX5AP	arachidonate 5-lipoxygenase-activating protein	0.710667	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001629	ALOX5AP	arachidonate 5-lipoxygenase-activating protein	1.807692	Inlier
siRNA-Temozolomide Run3-DMSO	NM_021628	ALOXE3	arachidonate 5-lipoxygenase 3	-1.038225	Inlier
siRNA-Temozolomide Run2-DMSO	NM_021628	ALOXE3	arachidonate 5-lipoxygenase 3	-0.73079	Inlier
siRNA-Temozolomide Run1-DMSO	NM_021628	ALOXE3	arachidonate 5-lipoxygenase 3	-0.620536	Inlier
siRNA Disorazole DMSO Run1	NM_021628	ALOXE3	arachidonate 5-lipoxygenase 3	-0.466547	Inlier
siRNA Disorazole DMSO Run2	NM_021628	ALOXE3	arachidonate 5-lipoxygenase 3	0.466547	Inlier
siRNA Disorazole DMSO Run3	NM_021628	ALOXE3	arachidonate 5-lipoxygenase 3	0.48185	Inlier
siRNA-Vinblastine Run2-DMSO	NM_021628	ALOXE3	arachidonate 5-lipoxygenase 3	0.728464	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log2 Fold Change	Outlier Status
siRNA-Vinblastine Run1-DMSO	NM_021628	ALOXE3	arachidonate lipoxygenase 3	0.939041	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001631	ALPI	alkaline phosphatase, intestinal	-1.891062	Inlier
siRNA Disorazole DMSO Run2	NM_001631	ALPI	alkaline phosphatase, intestinal	-0.965207	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001631	ALPI	alkaline phosphatase, intestinal	-0.309844	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001631	ALPI	alkaline phosphatase, intestinal	-0.19303	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001631	ALPI	alkaline phosphatase, intestinal	0.19303	Inlier
siRNA Disorazole DMSO Run1	NM_001631	ALPI	alkaline phosphatase, intestinal	0.383793	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001631	ALPI	alkaline phosphatase, intestinal	2.519629	Inlier
siRNA Disorazole DMSO Run3	NM_001631	ALPI	alkaline phosphatase, intestinal	2.635736	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000478	ALPL	alkaline phosphatase, liver/bone/kidney	-1.748087	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000478	ALPL	alkaline phosphatase, liver/bone/kidney	-1.443455	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000478	ALPL	alkaline phosphatase, liver/bone/kidney	-1.112041	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0004 78	ALPL	alkaline phosphatase, liver/bone/kidney	-0.041592	Inlier
siRNA Disorazole DMSO Run2	NM_0004 78	ALPL	alkaline phosphatase, liver/bone/kidney	0.041592	Inlier
siRNA Disorazole DMSO Run3	NM_0004 78	ALPL	alkaline phosphatase, liver/bone/kidney	0.072291	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0004 78	ALPL	alkaline phosphatase, liver/bone/kidney	0.236959	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0004 78	ALPL	alkaline phosphatase, liver/bone/kidney	1.221021	Inlier
siRNA Disorazole DMSO Run2	NM_0016 32	ALPP	alkaline phosphatase, placental (Regan isozyme)	-1.509198	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0016 32	ALPP	alkaline phosphatase, placental (Regan isozyme)	-1.189743	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0016 32	ALPP	alkaline phosphatase, placental (Regan isozyme)	-0.982523	Inlier
siRNA Disorazole DMSO Run1	NM_0016 32	ALPP	alkaline phosphatase, placental (Regan isozyme)	-0.070368	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Method	Gene Name	Value	Category
siRNA-Temozolomide Run3-DMSO	NM_001632	ALPP	alkaline phosphatase, placental (Regan isozyme)	0.070367	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001632	ALPP	alkaline phosphatase, placental (Regan isozyme)	0.252293	Inlier
siRNA Disorazole DMSO Run3	NM_001632	ALPP	alkaline phosphatase, placental (Regan isozyme)	0.366477	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001632	ALPP	alkaline phosphatase, placental (Regan isozyme)	0.983056	Inlier
siRNA-Temozolomide Run2-DMSO	NM_031313	ALPPL2	alkaline phosphatase, placental-like 2	-1.669358	Inlier
siRNA Disorazole DMSO Run3	NM_031313	ALPPL2	alkaline phosphatase, placental-like 2	-0.927943	Inlier
siRNA-Temozolomide Run3-DMSO	NM_031313	ALPPL2	alkaline phosphatase, placental-like 2	-0.421057	Inlier
siRNA-Vinblastine Run1-DMSO	NM_031313	ALPPL2	alkaline phosphatase, placental-like 2	-0.211672	Inlier
siRNA-Temozolomide Run1-DMSO	NM_031313	ALPPL2	alkaline phosphatase, placental-like 2	0.211672	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0313 13	ALPPL2	alkaline phosphatase, placental-like 2	0.392936	Inlier
siRNA Disorazole DMSO Run2	NM_0313 13	ALPPL2	alkaline phosphatase, placental-like 2	1.155642	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0313 13	ALPPL2	alkaline phosphatase, placental-like 2	1.866196	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0185 71	ALS2CR2	2 amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate	-2.065422	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0185 71	ALS2CR2	2 amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate	-0.929808	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0185 71	ALS2CR2	2 amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate	-0.678292	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0185 71	ALS2CR2	2	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate	-0.062391	Inlier
siRNA Disorazole DMSO Run3	NM_0185 71	ALS2CR2	2	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate	0.062391	Inlier
siRNA Disorazole DMSO Run1	NM_0185 71	ALS2CR2	2	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate	0.115169	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0185 71	ALS2CR2	2	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate	0.670708	Inlier
siRNA Disorazole DMSO Run2	NM_0185 71	ALS2CR2	2	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate	1.627485	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_1391 58	ALS2CR7	7	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate	-1.413872 Inlier
siRNA-Temozolomide Run2-DMSO	NM_1391 58	ALS2CR7	7	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate	-0.950179 Inlier
siRNA-Vinblastine Run1-DMSO	NM_1391 58	ALS2CR7	7	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate	-0.904963 Inlier
siRNA-Temozolomide Run1-DMSO	NM_1391 58	ALS2CR7	7	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate	-0.213105 Inlier
siRNA-Temozolomide Run3-DMSO	NM_1391 58	ALS2CR7	7	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate	0.213105 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_1391 58	ALS2CR7	7	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate	0.299494	Inlier
siRNA Disorazole DMSO Run1	NM_1391 58	ALS2CR7	7	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate	0.614497	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1391 58	ALS2CR7	7	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate	0.734503	Inlier
siRNA-Vinblastine Run2-DMSO	NM_2033 82	AMACR		alpha-methylacyl-CoA racemase	-1.66813	Inlier
siRNA-Temozolomide Run2-DMSO	NM_2033 82	AMACR		alpha-methylacyl-CoA racemase	-0.438838	Inlier
siRNA Disorazole DMSO Run3	NM_2033 82	AMACR		alpha-methylacyl-CoA racemase	-0.387843	Inlier
siRNA-Temozolomide Run3-DMSO	NM_2033 82	AMACR		alpha-methylacyl-CoA racemase	-0.382544	Inlier
siRNA-Temozolomide Run1-DMSO	NM_2033 82	AMACR		alpha-methylacyl-CoA racemase	0.382542	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_2033 82	AMACR	alpha-methylacyl-CoA racemase	0.910162	Inlier
siRNA-Vinblastine Run1-DMSO	NM_2033 82	AMACR	alpha-methylacyl-CoA racemase	3.008424	Inlier
siRNA Disorazole DMSO Run2	NM_2033 82	AMACR	alpha-methylacyl-CoA racemase	3.291874	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0016 33	AMBP	alpha-1-microglobulin/bikunin precursor	-1.113175	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0016 33	AMBP	alpha-1-microglobulin/bikunin precursor	-1.064115	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0016 33	AMBP	alpha-1-microglobulin/bikunin precursor	-0.73493	Inlier
siRNA Disorazole DMSO Run1	NM_0016 33	AMBP	alpha-1-microglobulin/bikunin precursor	-0.16049	Inlier
siRNA Disorazole DMSO Run3	NM_0016 33	AMBP	alpha-1-microglobulin/bikunin precursor	0.16049	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0016 33	AMBP	alpha-1-microglobulin/bikunin precursor	0.445948	Inlier
siRNA Disorazole DMSO Run2	NM_0016 33	AMBP	alpha-1-microglobulin/bikunin precursor	0.61407	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0016 33	AMBP	alpha-1-microglobulin/bikunin precursor	1.098981	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_001634	AMD1	adenosylmethionine decarboxylase 1	-1.007305	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001634	AMD1	adenosylmethionine decarboxylase 1	-0.341695	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001634	AMD1	adenosylmethionine decarboxylase 1	-0.23381	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001634	AMD1	adenosylmethionine decarboxylase 1	-0.017145	Inlier
siRNA Disorazole DMSO Run3	NM_001634	AMD1	adenosylmethionine decarboxylase 1	0.017144	Inlier
siRNA Disorazole DMSO Run1	NM_001634	AMD1	adenosylmethionine decarboxylase 1	1.514107	Inlier
siRNA Disorazole DMSO Run2	NM_001634	AMD1	adenosylmethionine decarboxylase 1	3.397856	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001634	AMD1	adenosylmethionine decarboxylase 1	5.268046	Outlier
siRNA-Temozolomide Run3-DMSO	NM_001144	AMFR	autocrine motility factor receptor	-0.737755	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001144	AMFR	autocrine motility factor receptor	-0.611245	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001144	AMFR	autocrine motility factor receptor	-0.449917	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0011 44	AMFR	autocrine motility factor receptor	-0.093113	Inlier
siRNA Disorazole DMSO Run1	NM_0011 44	AMFR	autocrine motility factor receptor	0.093113	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0011 44	AMFR	autocrine motility factor receptor	1.006874	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0011 44	AMFR	autocrine motility factor receptor	2.468175	Inlier
siRNA Disorazole DMSO Run2	NM_0011 44	AMFR	autocrine motility factor receptor	2.499999	Inlier
siRNA Disorazole DMSO Run2	NM_0205 47	AMHR2	anti- Mullerian hormone receptor, type II	-0.755847	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0205 47	AMHR2	anti- Mullerian hormone receptor, type II	-0.593153	Inlier
siRNA Disorazole DMSO Run3	NM_0205 47	AMHR2	anti- Mullerian hormone receptor, type II	-0.249753	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0205 47	AMHR2	anti- Mullerian hormone receptor, type II	-0.008266	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0205 47	AMHR2	anti- Mullerian hormone receptor, type II	0.008267	Inlier
siRNA Disorazole DMSO Run1	NM_0205 47	AMHR2	anti- Mullerian hormone receptor, type II	1.094321	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0205 47	AMHR2	anti-Mullerian hormone receptor, type II	1.794422	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0205 47	AMHR2	anti-Mullerian hormone receptor, type II	2.050885	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0327 97	AMID	apoptosis-inducing factor (AIF)-like mitochondrion-associated inducer of death	-0.951088	Inlier
siRNA Disorazole DMSO Run3	NM_0327 97	AMID	apoptosis-inducing factor (AIF)-like mitochondrion-associated inducer of death	-0.590986	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0327 97	AMID	apoptosis-inducing factor (AIF)-like mitochondrion-associated inducer of death	-0.457394	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0327 97	AMID	apoptosis-inducing factor (AIF)-like mitochondrion-associated inducer of death	-0.280176	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0327 97	AMID	apoptosis-inducing factor (AIF)-like mitochondrion-associated inducer of death	0.280176	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0327 97	AMID	apoptosis-inducing factor (AIF)-like mitochondrion-associated inducer of death	0.758014	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0327 97	AMID	apoptosis-inducing factor (AIF)-like mitochondrion-associated inducer of death	1.194809	Inlier
siRNA Disorazole DMSO Run2	NM_0327 97	AMID	apoptosis-inducing factor (AIF)-like mitochondrion-associated inducer of death	1.573152	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0000 36	AMPD1	adenosine monophosphate deaminase 1 (isoform M)	-1.266436	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0000 36	AMPD1	adenosine monophosphate deaminase 1 (isoform M)	-1.085247	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_000036	AMPD1	adenosine monophosphate deaminase 1 (isoform M)	-0.301194	Inlier
siRNA Disorazole DMSO Run1	NM_000036	AMPD1	adenosine monophosphate deaminase 1 (isoform M)	-0.117912	Inlier
siRNA Disorazole DMSO Run3	NM_000036	AMPD1	adenosine monophosphate deaminase 1 (isoform M)	0.117912	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000036	AMPD1	adenosine monophosphate deaminase 1 (isoform M)	0.204892	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000036	AMPD1	adenosine monophosphate deaminase 1 (isoform M)	1.047806	Inlier
siRNA Disorazole DMSO Run2	NM_000036	AMPD1	adenosine monophosphate deaminase 1 (isoform M)	1.370614	Inlier
siRNA Disorazole DMSO Run1	NM_203404	AMPD2	adenosine monophosphate deaminase 2 (isoform L)	-1.857627	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_203404	AMPD2	adenosine monophosphate deaminase 2 (isoform L)	-0.717076	Inlier
siRNA-Temozolomide Run1-DMSO	NM_203404	AMPD2	adenosine monophosphate deaminase 2 (isoform L)	-0.631924	Inlier
siRNA-Vinblastine Run2-DMSO	NM_203404	AMPD2	adenosine monophosphate deaminase 2 (isoform L)	-0.056588	Inlier
siRNA Disorazole DMSO Run2	NM_203404	AMPD2	adenosine monophosphate deaminase 2 (isoform L)	0.056588	Inlier
siRNA-Temozolomide Run3-DMSO	NM_203404	AMPD2	adenosine monophosphate deaminase 2 (isoform L)	0.101387	Inlier
siRNA Disorazole DMSO Run3	NM_203404	AMPD2	adenosine monophosphate deaminase 2 (isoform L)	0.804331	Inlier
siRNA-Vinblastine Run1-DMSO	NM_203404	AMPD2	adenosine monophosphate deaminase 2 (isoform L)	0.857967	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log Fold Change	Outlier Status
siRNA Disorazole DMSO Run1	NM_000480	AMPD3	adenosine monophosphate deaminase (isoform E)	-1.512331	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000480	AMPD3	adenosine monophosphate deaminase (isoform E)	-1.026357	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000480	AMPD3	adenosine monophosphate deaminase (isoform E)	-0.54074	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000480	AMPD3	adenosine monophosphate deaminase (isoform E)	-0.23299	Inlier
siRNA Disorazole DMSO Run3	NM_000480	AMPD3	adenosine monophosphate deaminase (isoform E)	0.232989	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000480	AMPD3	adenosine monophosphate deaminase (isoform E)	0.39358	Inlier
siRNA Disorazole DMSO Run2	NM_000480	AMPD3	adenosine monophosphate deaminase (isoform E)	0.80826	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000480	AMPD3	adenosine monophosphate deaminase (isoform E)	0.980273	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Accession	Gene Name	Log Fold Change	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_000481	AMT	aminomet hyltransfer ase (glycine cleavage system protein T)	-0.807446	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000481	AMT	aminomet hyltransfer ase (glycine cleavage system protein T)	-0.541554	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000481	AMT	aminomet hyltransfer ase (glycine cleavage system protein T)	-0.466174	Inlier
siRNA Disorazole DMSO Run1	NM_000481	AMT	aminomet hyltransfer ase (glycine cleavage system protein T)	-0.014108	Inlier
siRNA Disorazole DMSO Run3	NM_000481	AMT	aminomet hyltransfer ase (glycine cleavage system protein T)	0.014108	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000481	AMT	aminomet hyltransfer ase (glycine cleavage system protein T)	0.846517	Inlier
siRNA Disorazole DMSO Run2	NM_000481	AMT	aminomet hyltransfer ase (glycine cleavage system protein T)	0.856008	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log2 Fold Change	Outlier Status
siRNA-Vinblastine Run1-DMSO	NM_000481	AMT	aminomethyltransferase (glycine cleavage system protein T)	1.1292	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001008221	AMY1A	amylase, alpha 1A; salivary	-0.77939	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001008221	AMY1A	amylase, alpha 1A; salivary	-0.56961	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001008221	AMY1A	amylase, alpha 1A; salivary	-0.55011	Inlier
siRNA Disorazole DMSO Run3	NM_001008221	AMY1A	amylase, alpha 1A; salivary	-0.112931	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001008221	AMY1A	amylase, alpha 1A; salivary	0.112931	Inlier
siRNA Disorazole DMSO Run1	NM_001008221	AMY1A	amylase, alpha 1A; salivary	1.12073	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001008221	AMY1A	amylase, alpha 1A; salivary	2.348233	Inlier
siRNA Disorazole DMSO Run2	NM_001008221	AMY1A	amylase, alpha 1A; salivary	2.972704	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000699	AMY2A	amylase, alpha 2A; pancreatic	-1.070477	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000699	AMY2A	amylase, alpha 2A; pancreatic	-0.99883	Inlier
siRNA Disorazole DMSO Run1	NM_000699	AMY2A	amylase, alpha 2A; pancreatic	-0.597497	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000699	AMY2A	amylase, alpha 2A; pancreatic	-0.057199	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000699	AMY2A	amylase, alpha 2A; pancreatic	0.057199	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0006 99	AMY2A	amylase, alpha 2A; pancreatic	0.414886	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0006 99	AMY2A	amylase, alpha 2A; pancreatic	0.751503	Inlier
siRNA Disorazole DMSO Run2	NM_0006 99	AMY2A	amylase, alpha 2A; pancreatic	2.012018	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0209 78	AMY2B	amylase, alpha 2B; pancreatic	-1.835143	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0209 78	AMY2B	amylase, alpha 2B; pancreatic	-0.695474	Inlier
siRNA Disorazole DMSO Run1	NM_0209 78	AMY2B	amylase, alpha 2B; pancreatic	-0.653526	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0209 78	AMY2B	amylase, alpha 2B; pancreatic	-0.144422	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0209 78	AMY2B	amylase, alpha 2B; pancreatic	0.144422	Inlier
siRNA Disorazole DMSO Run3	NM_0209 78	AMY2B	amylase, alpha 2B; pancreatic	0.238608	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0209 78	AMY2B	amylase, alpha 2B; pancreatic	1.610954	Inlier
siRNA Disorazole DMSO Run2	NM_0209 78	AMY2B	amylase, alpha 2B; pancreatic	3.252879	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0011 45	ANG	angiogenin , ribonuclea se, RNase A family, 5	-1.333428	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

			angiogenin	
siRNA-Temozolomide Run2-DMSO	NM_001145	ANG	, ribonuclea se, RNase A family, 5	-1.159329 Inlier
siRNA-Temozolomide Run1-DMSO	NM_001145	ANG	angiogenin , ribonuclea se, RNase A family, 5	-0.613002 Inlier
siRNA-Vinblastine Run2-DMSO	NM_001145	ANG	angiogenin , ribonuclea se, RNase A family, 5	-0.013358 Inlier
siRNA Disorazole DMSO Run3	NM_001145	ANG	angiogenin , ribonuclea se, RNase A family, 5	0.013359 Inlier
siRNA Disorazole DMSO Run1	NM_001145	ANG	angiogenin , ribonuclea se, RNase A family, 5	0.050301 Inlier
siRNA Disorazole DMSO Run2	NM_001145	ANG	angiogenin , ribonuclea se, RNase A family, 5	0.735998 Inlier
siRNA-Vinblastine Run1-DMSO	NM_001145	ANG	angiogenin , ribonuclea se, RNase A family, 5	1.173384 Inlier
siRNA-Temozolomide Run2-DMSO	NM_020977	ANK2	ankyrin 2, neuronal	-5.208079 Outlier
siRNA-Vinblastine Run2-DMSO	NM_020977	ANK2	ankyrin 2, neuronal	-0.865891 Inlier
siRNA Disorazole DMSO Run1	NM_020977	ANK2	ankyrin 2, neuronal	-0.483109 Inlier
siRNA-Temozolomide Run3-DMSO	NM_020977	ANK2	ankyrin 2, neuronal	-0.09052 Inlier
siRNA-Temozolomide Run1-DMSO	NM_020977	ANK2	ankyrin 2, neuronal	0.09052 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_0209		ankyrin 2,		
siRNA Disorazole DMSO Run3	77	ANK2	neuronal	0.411017	Inlier
	NM_0209		ankyrin 2,		
siRNA Disorazole DMSO Run2	77	ANK2	neuronal	1.238235	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0209		ankyrin 2,		
	77	ANK2	neuronal	2.074728	Inlier
			ankyrin repeat and kinase domain containing		
siRNA-Temozolomide Run3-DMSO	NM_1785		1	-2.746941	Inlier
	10	ANKK1			
			ankyrin repeat and kinase domain containing		
siRNA-Temozolomide Run1-DMSO	NM_1785		1	-1.055136	Inlier
	10	ANKK1			
			ankyrin repeat and kinase domain containing		
siRNA-Temozolomide Run2-DMSO	NM_1785		1	-0.82445	Inlier
	10	ANKK1			
			ankyrin repeat and kinase domain containing		
siRNA Disorazole DMSO Run2	NM_1785		1	-0.274744	Inlier
	10	ANKK1			
			ankyrin repeat and kinase domain containing		
siRNA Disorazole DMSO Run3	NM_1785		1	0.274744	Inlier
	10	ANKK1			
			ankyrin repeat and kinase domain containing		
siRNA Disorazole DMSO Run1	NM_1785		1	0.279991	Inlier
	10	ANKK1			

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_1785 10	ANKK1	ankyrin repeat and kinase domain containing 1	0.52455 Inlier
siRNA-Vinblastine Run2-DMSO	NM_1785 10	ANKK1	ankyrin repeat and kinase domain containing 1	2.008957 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0529 97	ANKRD30 A	ankyrin repeat domain 30A	-2.029634 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0529 97	ANKRD30 A	ankyrin repeat domain 30A	-0.917805 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0529 97	ANKRD30 A	ankyrin repeat domain 30A	-0.397457 Inlier
siRNA Disorazole DMSO Run1	NM_0529 97	ANKRD30 A	ankyrin repeat domain 30A	-0.16064 Inlier
siRNA Disorazole DMSO Run3	NM_0529 97	ANKRD30 A	ankyrin repeat domain 30A	0.16064 Inlier
siRNA Disorazole DMSO Run2	NM_0529 97	ANKRD30 A	ankyrin repeat domain 30A	0.431195 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0529 97	ANKRD30 A	ankyrin repeat domain 30A	1.169575 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0529 97	ANKRD30 A	ankyrin repeat domain 30A	2.43191 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_001150	ANPEP	alanyl (membrane) aminopeptidase (aminopeptidase N, aminopeptidase M, microsomal aminopeptidase, CD13, p150)	-2.009404	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001150	ANPEP	alanyl (membrane) aminopeptidase (aminopeptidase N, aminopeptidase M, microsomal aminopeptidase, CD13, p150)	-1.194346	Inlier
siRNA Disorazole DMSO Run2	NM_001150	ANPEP	alanyl (membrane) aminopeptidase (aminopeptidase N, aminopeptidase M, microsomal aminopeptidase, CD13, p150)	-0.216745	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0011 50	ANPEP	alanyl (membrane) aminopeptidase (aminopeptidase N, aminopeptidase M, microsomal aminopeptidase, CD13, p150)	-0.180565	Inlier
siRNA Disorazole DMSO Run1	NM_0011 50	ANPEP	alanyl (membrane) aminopeptidase (aminopeptidase N, aminopeptidase M, microsomal aminopeptidase, CD13, p150)	0.180566	Inlier
siRNA Disorazole DMSO Run3	NM_0011 50	ANPEP	alanyl (membrane) aminopeptidase (aminopeptidase N, aminopeptidase M, microsomal aminopeptidase, CD13, p150)	0.348784	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			alanyl (membran e) aminopept idase (aminopep tidase N, aminopept idase M, microsom al aminopept idase, CD13, p150)	1.000216	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0011 50	ANPEP	alanyl (membran e) aminopept idase (aminopep tidase N, aminopept idase M, microsom al aminopept idase, CD13, p150)	1.000216	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0011 50	ANPEP	annexin	1.318288	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0051 39	ANXA3	A3	-0.991953	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0051 39	ANXA3	A3	-0.357047	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0051 39	ANXA3	A3	-0.161562	Inlier
siRNA Disorazole DMSO Run3	NM_0051 39	ANXA3	A3	-0.144202	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0051 39	ANXA3	A3	0.144202	Inlier
siRNA Disorazole DMSO Run1	NM_0051 39	ANXA3	A3	1.150415	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0051 39	ANXA3	A3	2.874714	Inlier
siRNA Disorazole DMSO Run2	NM_0051 39	ANXA3	A3	3.494726	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0016 37	AOAH	acyloxyacy l hydrolase (neutrophil)	-0.919206	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_001637	AOAH	acyloxyacyl hydrolase (neutrophil)	-0.71095	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001637	AOAH	acyloxyacyl hydrolase (neutrophil)	-0.63805	Inlier
siRNA Disorazole DMSO Run3	NM_001637	AOAH	acyloxyacyl hydrolase (neutrophil)	-0.176325	Inlier
siRNA Disorazole DMSO Run1	NM_001637	AOAH	acyloxyacyl hydrolase (neutrophil)	0.176325	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001637	AOAH	acyloxyacyl hydrolase (neutrophil)	0.370825	Inlier
siRNA Disorazole DMSO Run2	NM_001637	AOAH	acyloxyacyl hydrolase (neutrophil)	1.224542	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001637	AOAH	acyloxyacyl hydrolase (neutrophil)	1.243344	Inlier
siRNA-Temozolomide Run3-DMSO	NM_009590	AOC2	amine oxidase, copper containing 2 (retina-specific)	-1.641306	Inlier
siRNA-Temozolomide Run2-DMSO	NM_009590	AOC2	amine oxidase, copper containing 2 (retina-specific)	-1.279704	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0095 90	AOC2	amine oxidase, copper containing 2 (retina-specific)	-0.436529	Inlier
siRNA Disorazole DMSO Run1	NM_0095 90	AOC2	amine oxidase, copper containing 2 (retina-specific)	-0.092564	Inlier
siRNA Disorazole DMSO Run3	NM_0095 90	AOC2	amine oxidase, copper containing 2 (retina-specific)	0.092563	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0095 90	AOC2	amine oxidase, copper containing 2 (retina-specific)	0.458967	Inlier
siRNA Disorazole DMSO Run2	NM_0095 90	AOC2	amine oxidase, copper containing 2 (retina-specific)	0.890033	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0095 90	AOC2	amine oxidase, copper containing 2 (retina-specific)	1.031074	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0037 34	AOC3	amine oxidase, copper containing 3 (vascular adhesion protein 1)	-1.007275	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0037 34	AOC3	amine oxidase, copper containing 3 (vascular adhesion protein 1)	-0.671792	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Run	Condition	Value	Outlier	Gene Description
siRNA-Vinblastine Run2-DMSO	NM_003734	34	AOC3	-0.285918	Inlier	amine oxidase, copper containing 3 (vascular adhesion protein 1)
siRNA Disorazole DMSO Run3	NM_003734	34	AOC3	-0.177207	Inlier	amine oxidase, copper containing 3 (vascular adhesion protein 1)
siRNA Disorazole DMSO Run1	NM_003734	34	AOC3	0.177207	Inlier	amine oxidase, copper containing 3 (vascular adhesion protein 1)
siRNA-Temozolomide Run1-DMSO	NM_003734	34	AOC3	0.677208	Inlier	amine oxidase, copper containing 3 (vascular adhesion protein 1)
siRNA Disorazole DMSO Run2	NM_003734	34	AOC3	1.241986	Inlier	amine oxidase, copper containing 3 (vascular adhesion protein 1)
siRNA-Vinblastine Run1-DMSO	NM_003734	34	AOC3	1.575539	Inlier	amine oxidase, copper containing 3 (vascular adhesion protein 1)

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_001009999	AOF2	amine oxidase (flavin containing) domain 2	-1.120042	Inlier
siRNA Disorazole DMSO Run3	NM_001009999	AOF2	amine oxidase (flavin containing) domain 2	-0.970561	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001009999	AOF2	amine oxidase (flavin containing) domain 2	-0.40153	Inlier
siRNA Disorazole DMSO Run1	NM_001009999	AOF2	amine oxidase (flavin containing) domain 2	-0.229551	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001009999	AOF2	amine oxidase (flavin containing) domain 2	0.229551	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001009999	AOF2	amine oxidase (flavin containing) domain 2	0.416226	Inlier
siRNA Disorazole DMSO Run2	NM_001009999	AOF2	amine oxidase (flavin containing) domain 2	0.932774	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001009999	AOF2	amine oxidase (flavin containing) domain 2	1.348767	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001159	AOX1	aldehyde oxidase 1	-0.826005	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001159	AOX1	aldehyde oxidase 1	-0.716627	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_0011		aldehyde		
siRNA Disorazole DMSO Run1	59	AOX1	oxidase 1	-0.29919	Inlier
siRNA-Temozolomide Run2-	NM_0011		aldehyde		
DMSO	59	AOX1	oxidase 1	-0.021075	Inlier
	NM_0011		aldehyde		
siRNA Disorazole DMSO Run3	59	AOX1	oxidase 1	0.021075	Inlier
siRNA-Temozolomide Run1-	NM_0011		aldehyde		
DMSO	59	AOX1	oxidase 1	0.632373	Inlier
siRNA-Vinblastine Run1-	NM_0011		aldehyde		
DMSO	59	AOX1	oxidase 1	1.816208	Inlier
	NM_0011		aldehyde		
siRNA Disorazole DMSO Run2	59	AOX1	oxidase 1	2.20122	Inlier
			adenomat		
			osis		
siRNA-Temozolomide Run3-	NM_0000		polyposis		
DMSO	38	APC	coli	-1.997324	Inlier
			adenomat		
			osis		
siRNA-Temozolomide Run2-	NM_0000		polyposis		
DMSO	38	APC	coli	-1.036429	Inlier
			adenomat		
			osis		
siRNA-Temozolomide Run1-	NM_0000		polyposis		
DMSO	38	APC	coli	-0.430284	Inlier
			adenomat		
			osis		
siRNA Disorazole DMSO Run1	NM_0000		polyposis		
	38	APC	coli	-0.044054	Inlier
			adenomat		
			osis		
siRNA Disorazole DMSO Run3	NM_0000		polyposis		
	38	APC	coli	0.044053	Inlier
			adenomat		
			osis		
siRNA Disorazole DMSO Run2	NM_0000		polyposis		
	38	APC	coli	0.484285	Inlier
			adenomat		
			osis		
siRNA-Vinblastine Run1-	NM_0000		polyposis		
DMSO	38	APC	coli	0.864715	Inlier
			adenomat		
			osis		
siRNA-Vinblastine Run2-	NM_0000		polyposis		
DMSO	38	APC	coli	0.888833	Inlier
			adenomat		
			osis		
siRNA-Temozolomide Run3-	NM_0058		polyposis		
DMSO	83	APC2	coli 2	-0.941846	Inlier
			adenomat		
			osis		
siRNA-Temozolomide Run1-	NM_0058		polyposis		
DMSO	83	APC2	coli 2	-0.601921	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0058 83	APC2	adenomatosis polyposis coli 2	-0.435205	Inlier
siRNA Disorazole DMSO Run1	NM_0058 83	APC2	adenomatosis polyposis coli 2	-0.054278	Inlier
siRNA Disorazole DMSO Run3	NM_0058 83	APC2	adenomatosis polyposis coli 2	0.054278	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0058 83	APC2	adenomatosis polyposis coli 2	0.747079	Inlier
siRNA Disorazole DMSO Run2	NM_0058 83	APC2	adenomatosis polyposis coli 2	1.021866	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0058 83	APC2	adenomatosis polyposis coli 2	1.34538	Inlier
siRNA Disorazole DMSO Run2	NM_0058 76	APEG1	aortic preferentially expressed gene 1	-1.261419	Inlier
siRNA Disorazole DMSO Run3	NM_0058 76	APEG1	aortic preferentially expressed gene 1	-0.544328	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0058 76	APEG1	aortic preferentially expressed gene 1	-0.468732	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0058 76	APEG1	aortic preferentially expressed gene 1	-0.447766	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0058 76	APEG1	aortic preferentially expressed gene 1	0.447766	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0058 76	APEG1	aortic preferentially expressed gene 1	0.804672	Inlier
siRNA Disorazole DMSO Run1	NM_0058 76	APEG1	aortic preferentially expressed gene 1	1.727907	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0058 76	APEG1	aortic preferentially expressed gene 1	2.167752	Inlier
siRNA Disorazole DMSO Run1	NM_0016 40	APEH	N-acylamino acyl-peptide hydrolase	-0.749138	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0016 40	APEH	N-acylamino acyl-peptide hydrolase	-0.599862	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0016 40	APEH	N-acylamino acyl-peptide hydrolase	-0.185943	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0016 40	APEH	N-acylamino acyl-peptide hydrolase	-0.016283	Inlier
siRNA Disorazole DMSO Run2	NM_0016 40	APEH	N-acylamino acyl-peptide hydrolase	0.016284	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0016 40	APEH	N-acylamino acyl-peptide hydrolase	1.01732	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0016 40	APEH	N-acylamino acyl-peptide hydrolase	1.240036	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Condition	Run	Gene ID	Gene Name	Log Fold Change	Outlier Status
siRNA Disorazole	DMSO	Run3	NM_001640	APEH	2.61698	Inlier
siRNA-Temozolomide	Run3-DMSO		NM_001641	APEX1	-0.817078	Inlier
siRNA Disorazole	DMSO	Run3	NM_001641	APEX1	-0.700643	Inlier
siRNA Disorazole	DMSO	Run2	NM_001641	APEX1	-0.648357	Inlier
siRNA-Temozolomide	Run2-DMSO		NM_001641	APEX1	-0.216586	Inlier
siRNA-Temozolomide	Run1-DMSO		NM_001641	APEX1	0.216585	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0016 41	APEX1	APEX nuclease (multifunctional DNA repair enzyme) 1	0.239455	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0016 41	APEX1	APEX nuclease (multifunctional DNA repair enzyme) 1	1.243528	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0016 41	APEX1	APEX nuclease (multifunctional DNA repair enzyme) 1	1.280354	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1782 70	APG4A	APG4 autophagy 4 homolog A (S. cerevisiae)	-1.458563	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1782 70	APG4A	APG4 autophagy 4 homolog A (S. cerevisiae)	-0.492505	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1782 70	APG4A	APG4 autophagy 4 homolog A (S. cerevisiae)	-0.418172	Inlier
siRNA Disorazole DMSO Run3	NM_1782 70	APG4A	APG4 autophagy 4 homolog A (S. cerevisiae)	-0.108968	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1782 70	APG4A	APG4 autophagy 4 homolog A (S. cerevisiae)	0.108968	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1782 70	APG4A	APG4 autophagy 4 homolog A (S. cerevisiae)	0.856495	Inlier
siRNA Disorazole DMSO Run2	NM_1782 70	APG4A	APG4 autophagy 4 homolog A (S. cerevisiae)	1.820147	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1782 70	APG4A	APG4 autophagy 4 homolog A (S. cerevisiae)	2.350934	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1783 26	APG4B	APG4 autophagy 4 homolog B (S. cerevisiae)	-1.881985	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1783 26	APG4B	APG4 autophagy 4 homolog B (S. cerevisiae)	-1.40233	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1783 26	APG4B	APG4 autophagy 4 homolog B (S. cerevisiae)	-0.156732	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_1783 26	APG4B	APG4 autophagy 4 homolog B (S. cerevisiae)	-0.006416	Inlier
siRNA Disorazole DMSO Run1	NM_1783 26	APG4B	APG4 autophagy 4 homolog B (S. cerevisiae)	0.006416	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1783 26	APG4B	APG4 autophagy 4 homolog B (S. cerevisiae)	0.567619	Inlier
siRNA Disorazole DMSO Run2	NM_1783 26	APG4B	APG4 autophagy 4 homolog B (S. cerevisiae)	0.781381	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1783 26	APG4B	APG4 autophagy 4 homolog B (S. cerevisiae)	1.163253	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1782 21	APG4C	APG4 autophagy 4 homolog C (S. cerevisiae)	-1.906315	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1782 21	APG4C	APG4 autophagy 4 homolog C (S. cerevisiae)	-0.814198	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_1782 21	APG4C	APG4 autophagy 4 homolog C (S. cerevisiae)	-0.41821	Inlier
siRNA Disorazole DMSO Run1	NM_1782 21	APG4C	APG4 autophagy 4 homolog C (S. cerevisiae)	-0.001207	Inlier
siRNA Disorazole DMSO Run3	NM_1782 21	APG4C	APG4 autophagy 4 homolog C (S. cerevisiae)	0.001207	Inlier
siRNA Disorazole DMSO Run2	NM_1782 21	APG4C	APG4 autophagy 4 homolog C (S. cerevisiae)	0.534802	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1782 21	APG4C	APG4 autophagy 4 homolog C (S. cerevisiae)	2.552629	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1782 21	APG4C	APG4 autophagy 4 homolog C (S. cerevisiae)	3.971149	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0003 84	APOB	apolipoprotein B (including Ag(x) antigen)	-1.031495	Inlier
siRNA Disorazole DMSO Run1	NM_0003 84	APOB	apolipoprotein B (including Ag(x) antigen)	-0.991058	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_000384	APOB	apolipoprotein B (including Ag(x) antigen)	-0.339423	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000384	APOB	apolipoprotein B (including Ag(x) antigen)	-0.061963	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000384	APOB	apolipoprotein B (including Ag(x) antigen)	0.061963	Inlier
siRNA Disorazole DMSO Run3	NM_000384	APOB	apolipoprotein B (including Ag(x) antigen)	0.357942	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000384	APOB	apolipoprotein B (including Ag(x) antigen)	3.356033	Inlier
siRNA Disorazole DMSO Run2	NM_000384	APOB	apolipoprotein B mRNA editing enzyme, catalytic polypeptide 1	3.709704	Outlier
siRNA-Temozolomide Run2-DMSO	NM_001644	APOBEC1	apolipoprotein B mRNA editing enzyme, catalytic polypeptide 1	-1.251958	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001644	APOBEC1	apolipoprotein B mRNA editing enzyme, catalytic polypeptide 1	-0.981887	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log Fold Change	Outlier Status
siRNA-Vinblastine Run2-DMSO	NM_001644	APOBEC1	apolipoprotein B mRNA editing enzyme, catalytic polypeptide 1	-0.728055	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001644	APOBEC1	apolipoprotein B mRNA editing enzyme, catalytic polypeptide 1	-0.255415	Inlier
siRNA Disorazole DMSO Run3	NM_001644	APOBEC1	apolipoprotein B mRNA editing enzyme, catalytic polypeptide 1	0.255416	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001644	APOBEC1	apolipoprotein B mRNA editing enzyme, catalytic polypeptide 1	0.500244	Inlier
siRNA Disorazole DMSO Run1	NM_001644	APOBEC1	apolipoprotein B mRNA editing enzyme, catalytic polypeptide 1	0.620945	Inlier
siRNA Disorazole DMSO Run2	NM_001644	APOBEC1	apolipoprotein B mRNA editing enzyme, catalytic polypeptide 1	1.130489	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Gene Name	Log Fold Change	Outlier Status
siRNA Disorazole DMSO Run1	APOBEC2	NM_006789	apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 2	-2.039214	Inlier
siRNA Disorazole DMSO Run3	APOBEC2	NM_006789	apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 2	-0.546957	Inlier
siRNA-Vinblastine Run2-DMSO	APOBEC2	NM_006789	apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 2	-0.447926	Inlier
siRNA-Temozolomide Run1-DMSO	APOBEC2	NM_006789	apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 2	-0.119287	Inlier
siRNA-Temozolomide Run2-DMSO	APOBEC2	NM_006789	apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 2	0.119287	Inlier
siRNA-Temozolomide Run3-DMSO	APOBEC2	NM_006789	apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 2	0.802043	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0067 89	APOBEC2	apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 2	1.979845	Inlier
siRNA Disorazole DMSO Run2	NM_0067 89	APOBEC2	apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 2	4.024955	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0004 83	APOC2	apolipoprotein C-II	-1.202315	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0004 83	APOC2	apolipoprotein C-II	-1.061969	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0004 83	APOC2	apolipoprotein C-II	-0.287031	Inlier
siRNA Disorazole DMSO Run3	NM_0004 83	APOC2	apolipoprotein C-II	-0.148701	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0004 83	APOC2	apolipoprotein C-II	0.148702	Inlier
siRNA Disorazole DMSO Run1	NM_0004 83	APOC2	apolipoprotein C-II	0.151729	Inlier
siRNA Disorazole DMSO Run2	NM_0004 83	APOC2	apolipoprotein C-II	1.687378	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0004 83	APOC2	apolipoprotein C-II	1.98949	Inlier
siRNA-Temozolomide Run1-DMSO	NM_2014 14	APP	amyloid beta (A4) precursor protein (protease nexin-II, Alzheimer disease)	-0.746247	Inlier
siRNA-Temozolomide Run2-DMSO	NM_2014 14	APP	amyloid beta (A4) precursor protein (protease nexin-II, Alzheimer disease)	-0.735646	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_2014 14	APP	amyloid beta (A4) precursor protein (protease nexin-II, Alzheimer disease)	-0.613354	Inlier
siRNA Disorazole DMSO Run1	NM_2014 14	APP	amyloid beta (A4) precursor protein (protease nexin-II, Alzheimer disease)	-0.199284	Inlier
siRNA-Vinblastine Run2-DMSO	NM_2014 14	APP	amyloid beta (A4) precursor protein (protease nexin-II, Alzheimer disease)	0.199284	Inlier
siRNA Disorazole DMSO Run3	NM_2014 14	APP	amyloid beta (A4) precursor protein (protease nexin-II, Alzheimer disease)	0.214168	Inlier
siRNA Disorazole DMSO Run2	NM_2014 14	APP	amyloid beta (A4) precursor protein (protease nexin-II, Alzheimer disease)	2.903696	Inlier
siRNA-Vinblastine Run1-DMSO	NM_2014 14	APP	adenine phosphoribosyltransferase	4.964756	Outlier
siRNA-Temozolomide Run1-DMSO	NM_0004 85	APRT	adenine phosphoribosyltransferase	-0.764236	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_000485	APRT	adenine phosphoribosyltransferase	-0.716518	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000485	APRT	adenine phosphoribosyltransferase	-0.632482	Inlier
siRNA Disorazole DMSO Run1	NM_000485	APRT	adenine phosphoribosyltransferase	-0.209247	Inlier
siRNA Disorazole DMSO Run3	NM_000485	APRT	adenine phosphoribosyltransferase	0.209247	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000485	APRT	adenine phosphoribosyltransferase	0.35387	Inlier
siRNA Disorazole DMSO Run2	NM_000485	APRT	adenine phosphoribosyltransferase	0.762753	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000485	APRT	adenine phosphoribosyltransferase	1.056839	Inlier
siRNA Disorazole DMSO Run2	NM_001649	APXL	apical protein-like (Xenopus laevis)	-5.579519	Outlier
siRNA-Temozolomide Run3-DMSO	NM_001649	APXL	apical protein-like (Xenopus laevis)	-1.995623	Inlier
siRNA Disorazole DMSO Run3	NM_001649	APXL	apical protein-like (Xenopus laevis)	-0.353111	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001649	APXL	apical protein-like (Xenopus laevis)	-0.134384	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0016 49	APXL	apical protein-like (Xenopus laevis)	0.134385	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0016 49	APXL	apical protein-like (Xenopus laevis)	0.363796	Inlier
siRNA Disorazole DMSO Run1	NM_0016 49	APXL	apical protein-like (Xenopus laevis)	0.985204	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0016 49	APXL	apical protein-like (Xenopus laevis)	1.211747	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1334 56	APXL2	APXL2	-1.418875	Inlier
siRNA Disorazole DMSO Run1	NM_1334 56	APXL2	APXL2	-0.502797	Inlier
siRNA Disorazole DMSO Run2	NM_1334 56	APXL2	APXL2	-0.322334	Inlier
siRNA Disorazole DMSO Run3	NM_1334 56	APXL2	APXL2	-0.227817	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1334 56	APXL2	APXL2	0.227816	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1334 56	APXL2	APXL2	0.846202	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1334 56	APXL2	APXL2	1.105715	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1334 56	APXL2	APXL2	1.941942	Inlier
siRNA Disorazole DMSO Run2	NM_1980 98	AQP1	aquaporin 1 (channel-forming integral protein, 28kDa)	-0.994951	Inlier
siRNA Disorazole DMSO Run1	NM_1980 98	AQP1	aquaporin 1 (channel-forming integral protein, 28kDa)	-0.817991	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_1980 98	AQP1	aquaporin 1 (channel- forming integral protein, 28kDa)	-0.724252 Inlier
siRNA-Temozolomide Run2- DMSO	NM_1980 98	AQP1	aquaporin 1 (channel- forming integral protein, 28kDa)	-0.014162 Inlier
siRNA-Temozolomide Run3- DMSO	NM_1980 98	AQP1	aquaporin 1 (channel- forming integral protein, 28kDa)	0.014163 Inlier
siRNA-Vinblastine Run1- DMSO	NM_1980 98	AQP1	aquaporin 1 (channel- forming integral protein, 28kDa)	0.268058 Inlier
siRNA-Temozolomide Run1- DMSO	NM_1980 98	AQP1	aquaporin 1 (channel- forming integral protein, 28kDa)	0.624748 Inlier
siRNA-Vinblastine Run2- DMSO	NM_1980 98	AQP1	aquaporin 1 (channel- forming integral protein, 28kDa)	0.757501 Inlier
siRNA Disorazole DMSO Run2	NM_0804 29	AQP10	aquaporin 10	-1.265872 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0804 29	AQP10	aquaporin 10	-1.208138 Inlier
siRNA Disorazole DMSO Run1	NM_0804 29	AQP10	aquaporin 10	-0.385827 Inlier
siRNA Disorazole DMSO Run3	NM_0804 29	AQP10	aquaporin 10	-0.175376 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0804 29	AQP10	aquaporin 10	0.175375 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Temozolomide Run1- DMSO	NM_0804 29	AQP10	aquaporin 10	0.218003	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0804 29	AQP10	aquaporin 10	0.963172	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0804 29	AQP10	aquaporin 10	1.882031	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1730 39	AQP11	aquaporin 11	-1.010446	Inlier
siRNA Disorazole DMSO Run2	NM_1730 39	AQP11	aquaporin 11	-0.97861	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1730 39	AQP11	aquaporin 11	-0.460107	Inlier
siRNA Disorazole DMSO Run1	NM_1730 39	AQP11	aquaporin 11	-0.012433	Inlier
siRNA Disorazole DMSO Run3	NM_1730 39	AQP11	aquaporin 11	0.012433	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1730 39	AQP11	aquaporin 11	0.466449	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1730 39	AQP11	aquaporin 11	0.882551	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1730 39	AQP11	aquaporin 11	1.206681	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0004 86	AQP2	aquaporin 2 (collecting duct)	-1.095634	Inlier
siRNA Disorazole DMSO Run3	NM_0004 86	AQP2	aquaporin 2 (collecting duct)	-0.715963	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0004 86	AQP2	aquaporin 2 (collecting duct)	-0.633037	Inlier
siRNA Disorazole DMSO Run1	NM_0004 86	AQP2	aquaporin 2 (collecting duct)	-0.262888	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0004 86	AQP2	aquaporin 2 (collecting duct)	0.262888	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0004 86	AQP2	aquaporin 2 (collecting duct)	0.495722	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0004 86	AQP2	aquaporin 2 (collecting duct)	1.502522	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Run	Gene	Protein	Value	Inlier
			aquaporin 2		
siRNA Disorazole DMSO Run2	86	AQP2	(collecting duct)	2.943787	Inlier
			aquaporin 3		
siRNA Disorazole DMSO Run2	25	AQP3		-1.567843	Inlier
siRNA-Temozolomide Run1-DMSO	25	AQP3		-1.041293	Inlier
			aquaporin 3		
siRNA Disorazole DMSO Run1	25	AQP3		-0.148972	Inlier
siRNA-Temozolomide Run3-DMSO	25	AQP3		-0.014675	Inlier
siRNA-Temozolomide Run2-DMSO	25	AQP3		0.014674	Inlier
			aquaporin 3		
siRNA Disorazole DMSO Run3	25	AQP3		0.56991	Inlier
siRNA-Vinblastine Run1-DMSO	25	AQP3		0.77909	Inlier
siRNA-Vinblastine Run2-DMSO	25	AQP3		1.045723	Inlier
siRNA-Temozolomide Run3-DMSO	28	AQP4		-0.926655	Inlier
siRNA-Temozolomide Run1-DMSO	28	AQP4		-0.856065	Inlier
siRNA-Temozolomide Run2-DMSO	28	AQP4		-0.834961	Inlier
			aquaporin 4		
siRNA Disorazole DMSO Run3	28	AQP4		-0.042274	Inlier
			aquaporin 4		
siRNA Disorazole DMSO Run2	28	AQP4		0.042274	Inlier
siRNA-Vinblastine Run1-DMSO	28	AQP4		0.457046	Inlier
			aquaporin 4		
siRNA Disorazole DMSO Run1	28	AQP4		0.514039	Inlier
siRNA-Vinblastine Run2-DMSO	28	AQP4		0.987916	Inlier
			aquaporin 5		
siRNA Disorazole DMSO Run1	51	AQP5		-0.996356	Inlier
siRNA-Temozolomide Run2-DMSO	51	AQP5		-0.707488	Inlier
siRNA-Vinblastine Run2-DMSO	51	AQP5		-0.287775	Inlier
siRNA-Temozolomide Run3-DMSO	51	AQP5		-0.075997	Inlier
siRNA-Temozolomide Run1-DMSO	51	AQP5		0.075998	Inlier
			aquaporin 5		
siRNA Disorazole DMSO Run3	51	AQP5		0.641512	Inlier
siRNA-Vinblastine Run1-DMSO	51	AQP5		1.014646	Inlier
			aquaporin 5		
siRNA Disorazole DMSO Run2	51	AQP5		2.631695	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			aquaporin	
			6, kidney	
siRNA Disorazole DMSO Run1	NM_0532 86	AQP6	specific	-1.005472 Inlier
			aquaporin	
siRNA-Temozolomide Run2- DMSO	NM_0532 86	AQP6	specific	-0.527924 Inlier
			aquaporin	
siRNA-Temozolomide Run3- DMSO	NM_0532 86	AQP6	specific	-0.287708 Inlier
			aquaporin	
siRNA-Vinblastine Run2- DMSO	NM_0532 86	AQP6	specific	-0.023917 Inlier
			aquaporin	
siRNA-Temozolomide Run1- DMSO	NM_0532 86	AQP6	specific	0.023916 Inlier
			aquaporin	
siRNA Disorazole DMSO Run3	NM_0532 86	AQP6	specific	0.821076 Inlier
			aquaporin	
siRNA-Vinblastine Run1- DMSO	NM_0532 86	AQP6	specific	1.070831 Inlier
			aquaporin	
siRNA Disorazole DMSO Run2	NM_0532 86	AQP6	specific	1.215763 Inlier
			aquaporin	
siRNA-Temozolomide Run3- DMSO	NM_0011 70	AQP7	7	-1.326858 Inlier
			aquaporin	
siRNA-Temozolomide Run2- DMSO	NM_0011 70	AQP7	7	-1.134112 Inlier
			aquaporin	
siRNA Disorazole DMSO Run3	NM_0011 70	AQP7	7	-0.484242 Inlier
			aquaporin	
siRNA-Temozolomide Run1- DMSO	NM_0011 70	AQP7	7	-0.069695 Inlier
			aquaporin	
siRNA Disorazole DMSO Run2	NM_0011 70	AQP7	7	0.069695 Inlier
			aquaporin	
siRNA Disorazole DMSO Run1	NM_0011 70	AQP7	7	0.365876 Inlier
			aquaporin	
siRNA-Vinblastine Run1- DMSO	NM_0011 70	AQP7	7	0.864757 Inlier
			aquaporin	
siRNA-Vinblastine Run2- DMSO	NM_0011 70	AQP7	7	1.656904 Inlier
			aquaporin	
siRNA-Temozolomide Run1- DMSO	NM_0011 69	AQP8	8	-1.928107 Inlier
			aquaporin	
siRNA-Temozolomide Run3- DMSO	NM_0011 69	AQP8	8	-1.549439 Inlier
			aquaporin	
siRNA-Temozolomide Run2- DMSO	NM_0011 69	AQP8	8	-1.093988 Inlier
			aquaporin	
siRNA Disorazole DMSO Run1	NM_0011 69	AQP8	8	-0.271014 Inlier
			aquaporin	
siRNA-Vinblastine Run1- DMSO	NM_0011 69	AQP8	8	0.271014 Inlier
			aquaporin	
siRNA Disorazole DMSO Run2	NM_0011 69	AQP8	8	0.28796 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA-Vinblastine Run2- DMSO	NM_0011 69	AQP8	aquaporin 8	0.545814	Inlier
	NM_0011		aquaporin		
siRNA Disorazole DMSO Run3	69	AQP8	8	0.803186	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0209 80	AQP9	aquaporin 9	-2.309225	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0209 80	AQP9	aquaporin 9	-0.88613	Inlier
	NM_0209		aquaporin		
siRNA Disorazole DMSO Run1	80	AQP9	9	-0.604713	Inlier
	NM_0209		aquaporin		
siRNA Disorazole DMSO Run2	80	AQP9	9	-0.122335	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0209 80	AQP9	aquaporin 9	0.122336	Inlier
	NM_0209		aquaporin		
siRNA Disorazole DMSO Run3	80	AQP9	9	0.536647	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0209 80	AQP9	aquaporin 9	0.744287	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0209 80	AQP9	aquaporin 9	1.338798	Inlier
			androgen receptor (dihydrote stosterone receptor; testicular feminizatio n; spinal and bulbar muscular atrophy; Kennedy disease)		
siRNA Disorazole DMSO Run2	NM_0010 11645	AR		-3.605102	Outlier
			androgen receptor (dihydrote stosterone receptor; testicular feminizatio n; spinal and bulbar muscular atrophy; Kennedy disease)		
siRNA-Temozolomide Run3- DMSO	NM_0010 11645	AR		-2.885947	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_001011645	AR	androgen receptor (dihydrotestosterone receptor; testicular feminization; spinal and bulbar muscular atrophy; Kennedy disease)	-0.782935	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001011645	AR	androgen receptor (dihydrotestosterone receptor; testicular feminization; spinal and bulbar muscular atrophy; Kennedy disease)	-0.021827	Inlier
siRNA Disorazole DMSO Run1	NM_001011645	AR	androgen receptor (dihydrotestosterone receptor; testicular feminization; spinal and bulbar muscular atrophy; Kennedy disease)	0.021827	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0010 11645	AR	androgen receptor (dihydrote stosterone receptor; testicular feminizatio n; spinal and bulbar muscular atrophy; Kennedy disease)	0.177961 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0010 11645	AR	androgen receptor (dihydrote stosterone receptor; testicular feminizatio n; spinal and bulbar muscular atrophy; Kennedy disease)	0.669629 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0010 11645	AR	androgen receptor (dihydrote stosterone receptor; testicular feminizatio n; spinal and bulbar muscular atrophy; Kennedy disease)	0.679371 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0016 54	ARAF1	v-raf murine sarcoma 3611 viral oncogene homolog	-1.226929 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0016 54	ARAF1	v-raf murine sarcoma 3611 viral oncogene homolog	-1.179592	Inlier
siRNA Disorazole DMSO Run2	NM_0016 54	ARAF1	v-raf murine sarcoma 3611 viral oncogene homolog	-0.79204	Inlier
siRNA Disorazole DMSO Run3	NM_0016 54	ARAF1	v-raf murine sarcoma 3611 viral oncogene homolog	-0.341023	Inlier
siRNA Disorazole DMSO Run1	NM_0016 54	ARAF1	v-raf murine sarcoma 3611 viral oncogene homolog	0.341023	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0016 54	ARAF1	v-raf murine sarcoma 3611 viral oncogene homolog	0.553977	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0016 54	ARAF1	v-raf murine sarcoma 3611 viral oncogene homolog	0.55696	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0016 54	ARAF1	v-raf murine sarcoma 3611 viral oncogene homolog	1.080077	Inlier
siRNA Disorazole DMSO Run1	NM_0224 81	ARAP3	centaurin, delta 3	-2.697625	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0224 81	ARAP3	centaurin, delta 3	-1.586072	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0224 81	ARAP3	centaurin, delta 3	-0.988014	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0224 81	ARAP3	centaurin, delta 3	-0.06244	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0224 81	ARAP3	centaurin, delta 3	0.062439	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA-Temozolomide Run3- DMSO	NM_0224 81	ARAP3	centaurin, delta 3	0.227968	Inlier
siRNA Disorazole DMSO Run2	NM_0224 81	ARAP3	centaurin, delta 3	0.360986	Inlier
siRNA Disorazole DMSO Run3	NM_0224 81	ARAP3	centaurin, delta 3	1.383849	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0034 91	ARD1	ARD1 homolog, N- acetyltrans ferase (S. cerevisiae)	-1.652211	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0034 91	ARD1	ARD1 homolog, N- acetyltrans ferase (S. cerevisiae)	-1.468169	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0034 91	ARD1	ARD1 homolog, N- acetyltrans ferase (S. cerevisiae)	-0.556957	Inlier
siRNA Disorazole DMSO Run1	NM_0034 91	ARD1	ARD1 homolog, N- acetyltrans ferase (S. cerevisiae)	-0.339433	Inlier
siRNA Disorazole DMSO Run3	NM_0034 91	ARD1	ARD1 homolog, N- acetyltrans ferase (S. cerevisiae)	0.339433	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0034 91	ARD1	ARD1 homolog, N- acetyltrans ferase (S. cerevisiae)	0.653119	Inlier
siRNA Disorazole DMSO Run2	NM_0034 91	ARD1	ARD1 homolog, N- acetyltrans ferase (S. cerevisiae)	0.695881	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0034 91	ARD1	ARD1 homolog, N- acetyltrans ferase (S. cerevisiae)	2.265641	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0016 58	ARF1	ADP- ribosylatio n factor 1	-1.508283	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0016 58	ARF1	ADP- ribosylatio n factor 1	-0.823457	Inlier
siRNA Disorazole DMSO Run3	NM_0016 58	ARF1	ADP- ribosylatio n factor 1	-0.525543	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0016 58	ARF1	ADP- ribosylatio n factor 1	-0.113502	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0016 58	ARF1	ADP- ribosylatio n factor 1	0.113502	Inlier
siRNA Disorazole DMSO Run1	NM_0016 58	ARF1	ADP- ribosylatio n factor 1	0.26368	Inlier
siRNA Disorazole DMSO Run2	NM_0016 58	ARF1	ADP- ribosylatio n factor 1	0.937757	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0016 58	ARF1	ADP- ribosylatio n factor 1	1.127746	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0016 59	ARF3	ADP- ribosylatio n factor 3	-1.663714	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology				ADP-ribosylation factor 3	
siRNA-Temozolomide Run1-DMSO	NM_0016 59	ARF3	ADP-ribosylation factor 3	-0.708001	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0016 59	ARF3	ADP-ribosylation factor 3	-0.640999	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0016 59	ARF3	ADP-ribosylation factor 3	-0.186293	Inlier
siRNA Disorazole DMSO Run3	NM_0016 59	ARF3	ADP-ribosylation factor 3	0.186294	Inlier
siRNA Disorazole DMSO Run1	NM_0016 59	ARF3	ADP-ribosylation factor 3	0.431933	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0016 59	ARF3	ADP-ribosylation factor 3	0.89677	Inlier
siRNA Disorazole DMSO Run2	NM_0016 59	ARF3	ADP-ribosylation factor 3	1.204484	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0016 60	ARF4	ADP-ribosylation factor 4	-1.251295	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0016 60	ARF4	ADP-ribosylation factor 4	-0.710515	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0016 60	ARF4	ADP-ribosylation factor 4	-0.139139	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0016 60	ARF4	ADP-ribosylation factor 4	-0.060233	Inlier
siRNA Disorazole DMSO Run3	NM_0016 60	ARF4	ADP-ribosylation factor 4	0.060233	Inlier
siRNA Disorazole DMSO Run1	NM_0016 60	ARF4	ADP-ribosylation factor 4	0.638485	Inlier
siRNA Disorazole DMSO Run2	NM_0016 60	ARF4	ADP-ribosylation factor 4	0.981958	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0016 60	ARF4	ADP-ribosylation factor 4	1.122522	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0016 61	ARF4L	ADP-ribosylation factor 4-like	-0.901836	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	ADP-ribosylation factor	Log Fold Change	Classification
siRNA-Temozolomide Run3-DMSO	NM_001661	ARF4L	n factor 4-like	-0.637708	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001661	ARF4L	n factor 4-like	-0.450445	Inlier
siRNA Disorazole DMSO Run3	NM_001661	ARF4L	n factor 4-like	-0.06323	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001661	ARF4L	n factor 4-like	0.06323	Inlier
siRNA Disorazole DMSO Run2	NM_001661	ARF4L	n factor 4-like	0.711292	Inlier
siRNA Disorazole DMSO Run1	NM_001661	ARF4L	n factor 4-like	0.988396	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001661	ARF4L	n factor 4-like	1.37405	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001662	ARF5	n factor 5	-5.8327	Outlier
siRNA-Temozolomide Run2-DMSO	NM_001662	ARF5	n factor 5	-4.098964	Outlier
siRNA-Temozolomide Run1-DMSO	NM_001662	ARF5	n factor 5	-2.968229	Inlier
siRNA Disorazole DMSO Run3	NM_001662	ARF5	n factor 5	-0.301788	Inlier
siRNA Disorazole DMSO Run1	NM_001662	ARF5	n factor 5	0.30179	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001662	ARF5	n factor 5	0.449887	Inlier
siRNA Disorazole DMSO Run2	NM_001662	ARF5	n factor 5	0.609111	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001662	ARF5	n factor 5	0.739889	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology					
siRNA-Temozolomide Run3-DMSO	NM_0016 63	ARF6	ADP-ribosylation factor 6	-1.571773	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0016 63	ARF6	ADP-ribosylation factor 6	-0.875437	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0016 63	ARF6	ADP-ribosylation factor 6	-0.606949	Inlier
siRNA Disorazole DMSO Run3	NM_0016 63	ARF6	ADP-ribosylation factor 6	-0.171467	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0016 63	ARF6	ADP-ribosylation factor 6	0.171467	Inlier
siRNA Disorazole DMSO Run1	NM_0016 63	ARF6	ADP-ribosylation factor 6	0.389107	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0016 63	ARF6	ADP-ribosylation factor 6	0.742051	Inlier
siRNA Disorazole DMSO Run2	NM_0016 63	ARF6	ADP-ribosylation factor 6	0.833143	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0145 70	ARFGAP3	GTPase activating protein 3	-1.779394	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0145 70	ARFGAP3	GTPase activating protein 3	-1.200809	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0145 70	ARFGAP3	GTPase activating protein 3	-0.663005	Inlier
siRNA Disorazole DMSO Run3	NM_0145 70	ARFGAP3	GTPase activating protein 3	-0.093591	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0145 70	ARFGAP3	ADP-ribosylation factor GTPase activating protein 3	0.093592	Inlier
siRNA Disorazole DMSO Run2	NM_0145 70	ARFGAP3	ADP-ribosylation factor GTPase activating protein 3	0.497556	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0145 70	ARFGAP3	ADP-ribosylation factor GTPase activating protein 3	0.685995	Inlier
siRNA Disorazole DMSO Run1	NM_0145 70	ARFGAP3	ADP-ribosylation factor GTPase activating protein 3	1.283775	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0000 45	ARG1	arginase, liver	-1.102646	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0000 45	ARG1	arginase, liver	-0.793285	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0000 45	ARG1	arginase, liver	-0.333978	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0000 45	ARG1	arginase, liver	-0.246691	Inlier
siRNA Disorazole DMSO Run3	NM_0000 45	ARG1	arginase, liver	0.246691	Inlier
siRNA Disorazole DMSO Run1	NM_0000 45	ARG1	arginase, liver	0.555715	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0000 45	ARG1	arginase, liver	2.074519	Inlier
siRNA Disorazole DMSO Run2	NM_0000 45	ARG1	arginase, liver	3.05207	Inlier
siRNA Disorazole DMSO Run1	NM_0011 72	ARG2	arginase, type II	-1.610147	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0011 72	ARG2	arginase, type II	-0.806371	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0011 72	ARG2	arginase, type II	-0.542629	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0011 72	ARG2	arginase, type II	-0.090613	Inlier
siRNA Disorazole DMSO Run3	NM_0011 72	ARG2	arginase, type II	0.090613	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0011 72	ARG2	arginase, type II	0.427258	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA-Vinblastine Run1- DMSO	NM_0011 72	ARG2	arginase, type II	1.392193	Inlier
siRNA Disorazole DMSO Run2	NM_0011 72	ARG2	arginase, type II	2.324236	Inlier
siRNA Disorazole DMSO Run1	NM_0051 68	ARHE	Rho family GTPase 3	-1.87272	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0051 68	ARHE	Rho family GTPase 3	-1.732988	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0051 68	ARHE	Rho family GTPase 3	-0.890545	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0051 68	ARHE	Rho family GTPase 3	-0.411751	Inlier
siRNA Disorazole DMSO Run3	NM_0051 68	ARHE	Rho family GTPase 3	0.411751	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0051 68	ARHE	Rho family GTPase 3	0.423676	Inlier
siRNA Disorazole DMSO Run2	NM_0051 68	ARHE	Rho family GTPase 3	0.458455	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0051 68	ARHE	Rho family GTPase 3	1.440516	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0043 08	ARHGAP1	Rho GTPase activating protein 1	-1.88345	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0043 08	ARHGAP1	Rho GTPase activating protein 1	-1.013163	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0043 08	ARHGAP1	Rho GTPase activating protein 1	-0.577249	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0043 08	ARHGAP1	Rho GTPase activating protein 1	-0.456046	Inlier
siRNA Disorazole DMSO Run3	NM_0043 08	ARHGAP1	Rho GTPase activating protein 1	0.456046	Inlier
siRNA Disorazole DMSO Run1	NM_0043 08	ARHGAP1	Rho GTPase activating protein 1	0.646697	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Value	Outlier Type
siRNA-Vinblastine Run1-DMSO	NM_004308	ARHGAP1	Rho GTPase activating protein 1	0.702303	Inlier
siRNA Disorazole DMSO Run2	NM_004308	ARHGAP1	Rho GTPase activating protein 1	0.944689	Inlier
siRNA-Temozolomide Run3-DMSO	NM_024605	ARHGAP1	Rho GTPase activating protein 10	-0.725071	Inlier
siRNA-Temozolomide Run1-DMSO	NM_024605	ARHGAP1	Rho GTPase activating protein 10	-0.623928	Inlier
siRNA-Temozolomide Run2-DMSO	NM_024605	ARHGAP1	Rho GTPase activating protein 10	-0.164857	Inlier
siRNA-Vinblastine Run2-DMSO	NM_024605	ARHGAP1	Rho GTPase activating protein 10	-0.031918	Inlier
siRNA Disorazole DMSO Run3	NM_024605	ARHGAP1	Rho GTPase activating protein 10	0.031918	Inlier
siRNA Disorazole DMSO Run1	NM_024605	ARHGAP1	Rho GTPase activating protein 10	0.829947	Inlier
siRNA-Vinblastine Run1-DMSO	NM_024605	ARHGAP1	Rho GTPase activating protein 10	0.99152	Inlier
siRNA Disorazole DMSO Run2	NM_024605	ARHGAP1	Rho GTPase activating protein 10	1.176717	Inlier
siRNA-Temozolomide Run3-DMSO	NM_018287	ARHGAP1	Rho GTPase activating protein 12	-1.613	Inlier
siRNA-Temozolomide Run2-DMSO	NM_018287	ARHGAP1	Rho GTPase activating protein 12	-0.876817	Inlier
siRNA-Temozolomide Run1-DMSO	NM_018287	ARHGAP1	Rho GTPase activating protein 12	-0.607447	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			Rho GTPase activating protein 12	
siRNA Disorazole DMSO Run3	NM_0182 87	ARHGAP1 2	Rho GTPase activating protein 12	-0.014921 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0182 87	ARHGAP1 2	Rho GTPase activating protein 12	0.014921 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0182 87	ARHGAP1 2	Rho GTPase activating protein 12	0.612845 Inlier
siRNA Disorazole DMSO Run1	NM_0182 87	ARHGAP1 2	Rho GTPase activating protein 12	0.736155 Inlier
siRNA Disorazole DMSO Run2	NM_0182 87	ARHGAP1 2	Rho GTPase activating protein 12	0.764539 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0010 06634	ARHGAP1 7	Rho GTPase activating protein 17	-1.017987 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0010 06634	ARHGAP1 7	Rho GTPase activating protein 17	-0.671877 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0010 06634	ARHGAP1 7	Rho GTPase activating protein 17	-0.327373 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0010 06634	ARHGAP1 7	Rho GTPase activating protein 17	-0.154704 Inlier
siRNA Disorazole DMSO Run3	NM_0010 06634	ARHGAP1 7	Rho GTPase activating protein 17	0.154703 Inlier
siRNA Disorazole DMSO Run1	NM_0010 06634	ARHGAP1 7	Rho GTPase activating protein 17	0.677123 Inlier
siRNA Disorazole DMSO Run2	NM_0010 06634	ARHGAP1 7	Rho GTPase activating protein 17	1.272077 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0010 06634	ARHGAP1 7	Rho GTPase activating protein 17	1.292137 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			Rho GTPase activating protein 21	
siRNA-Temozolomide Run1- DMSO	NM_0208 24	ARHGAP2 1	Rho GTPase activating protein 21	-2.353958 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0208 24	ARHGAP2 1	Rho GTPase activating protein 21	-1.527051 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0208 24	ARHGAP2 1	Rho GTPase activating protein 21	-0.616981 Inlier
siRNA Disorazole DMSO Run3	NM_0208 24	ARHGAP2 1	Rho GTPase activating protein 21	-0.424118 Inlier
siRNA Disorazole DMSO Run1	NM_0208 24	ARHGAP2 1	Rho GTPase activating protein 21	0.424117 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0208 24	ARHGAP2 1	Rho GTPase activating protein 21	0.545683 Inlier
siRNA Disorazole DMSO Run2	NM_0208 24	ARHGAP2 1	Rho GTPase activating protein 21	0.732019 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0208 24	ARHGAP2 1	Rho GTPase activating protein 21	0.969762 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0150 71	ARHGAP2 6	Rho GTPase activating protein 26	-1.959712 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0150 71	ARHGAP2 6	Rho GTPase activating protein 26	-0.888909 Inlier
siRNA Disorazole DMSO Run3	NM_0150 71	ARHGAP2 6	Rho GTPase activating protein 26	-0.413149 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0150 71	ARHGAP2 6	Rho GTPase activating protein 26	-0.280764 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0150 71	ARHGAP2 6	Rho GTPase activating protein 26	0.280763 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			Rho GTPase activating protein 26	
siRNA Disorazole DMSO Run1	NM_0150 71	ARHGAP2 6	Rho GTPase activating protein 26	0.638161 Inlier
siRNA Disorazole DMSO Run2	NM_0150 71	ARHGAP2 6	Rho GTPase activating protein 26	0.710839 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0150 71	ARHGAP2 6	Rho GTPase activating protein 26	0.814919 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0016 66	ARHGAP4	Rho GTPase activating protein 4	-1.435639 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0016 66	ARHGAP4	Rho GTPase activating protein 4	-0.827254 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0016 66	ARHGAP4	Rho GTPase activating protein 4	-0.559262 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0016 66	ARHGAP4	Rho GTPase activating protein 4	-0.057708 Inlier
siRNA Disorazole DMSO Run3	NM_0016 66	ARHGAP4	Rho GTPase activating protein 4	0.057708 Inlier
siRNA Disorazole DMSO Run1	NM_0016 66	ARHGAP4	Rho GTPase activating protein 4	0.248824 Inlier
siRNA Disorazole DMSO Run2	NM_0016 66	ARHGAP4	Rho GTPase activating protein 4	0.789738 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0016 66	ARHGAP4	Rho GTPase activating protein 4	0.792603 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0011 73	ARHGAP5	Rho GTPase activating protein 5	-2.348977 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0011 73	ARHGAP5	Rho GTPase activating protein 5	-2.196856 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein	Pathway	Value	Outlier
siRNA-Temozolomide Run2-DMSO	NM_001173	ARHGAP5	Rho GTPase activating protein 5		-0.778039	Inlier
siRNA Disorazole DMSO Run3	NM_001173	ARHGAP5	Rho GTPase activating protein 5		-0.075486	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001173	ARHGAP5	Rho GTPase activating protein 5		0.075485	Inlier
siRNA Disorazole DMSO Run2	NM_001173	ARHGAP5	Rho GTPase activating protein 5		0.548777	Inlier
siRNA Disorazole DMSO Run1	NM_001173	ARHGAP5	Rho GTPase activating protein 5		0.570961	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001173	ARHGAP5	Rho GTPase activating protein 5		1.324103	Inlier
siRNA-Temozolomide Run3-DMSO	NM_032496	ARHGAP9	Rho GTPase activating protein 9		-1.21975	Inlier
siRNA-Temozolomide Run1-DMSO	NM_032496	ARHGAP9	Rho GTPase activating protein 9		-0.77487	Inlier
siRNA-Temozolomide Run2-DMSO	NM_032496	ARHGAP9	Rho GTPase activating protein 9		-0.692318	Inlier
siRNA-Vinblastine Run2-DMSO	NM_032496	ARHGAP9	Rho GTPase activating protein 9		-0.053416	Inlier
siRNA Disorazole DMSO Run3	NM_032496	ARHGAP9	Rho GTPase activating protein 9		0.053416	Inlier
siRNA Disorazole DMSO Run1	NM_032496	ARHGAP9	Rho GTPase activating protein 9		0.363442	Inlier
siRNA Disorazole DMSO Run2	NM_032496	ARHGAP9	Rho GTPase activating protein 9		0.656682	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log2 Fold Change	Significance
siRNA-Vinblastine Run1-DMSO	NM_032496	ARHGAP9	Rho GTPase activating protein 9	1.100323	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004309	ARHGDI1A	Rho GDP dissociation inhibitor (GDI) alpha	-1.322143	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004309	ARHGDI1A	Rho GDP dissociation inhibitor (GDI) alpha	-0.408081	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004309	ARHGDI1A	Rho GDP dissociation inhibitor (GDI) alpha	-0.354731	Inlier
siRNA Disorazole DMSO Run3	NM_004309	ARHGDI1A	Rho GDP dissociation inhibitor (GDI) alpha	-0.087292	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004309	ARHGDI1A	Rho GDP dissociation inhibitor (GDI) alpha	0.087291	Inlier
siRNA Disorazole DMSO Run2	NM_004309	ARHGDI1A	Rho GDP dissociation inhibitor (GDI) alpha	0.940919	Inlier
siRNA Disorazole DMSO Run1	NM_004309	ARHGDI1A	Rho GDP dissociation inhibitor (GDI) alpha	1.045844	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004309	ARHGDI1A	Rho GDP dissociation inhibitor (GDI) alpha	1.52396	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_001175	ARHGDIB	Rho GDP dissociation inhibitor (GDI) beta	-2.286667	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001175	ARHGDIB	Rho GDP dissociation inhibitor (GDI) beta	-2.069099	Inlier
siRNA Disorazole DMSO Run3	NM_001175	ARHGDIB	Rho GDP dissociation inhibitor (GDI) beta	-1.376616	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001175	ARHGDIB	Rho GDP dissociation inhibitor (GDI) beta	-0.203367	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001175	ARHGDIB	Rho GDP dissociation inhibitor (GDI) beta	0.203367	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001175	ARHGDIB	Rho GDP dissociation inhibitor (GDI) beta	0.455413	Inlier
siRNA Disorazole DMSO Run2	NM_001175	ARHGDIB	Rho GDP dissociation inhibitor (GDI) beta	0.525566	Inlier
siRNA Disorazole DMSO Run1	NM_001175	ARHGDIB	Rho GDP dissociation inhibitor (GDI) beta	0.823434	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001176	ARHGDIG	Rho GDP dissociation inhibitor (GDI) gamma	-1.338828	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001176	ARHGDIG	Rho GDP dissociation inhibitor (GDI) gamma	-1.119668	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0011 76	ARHGDIG	Rho GDP dissociation inhibitor (GDI) gamma	-0.37378	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0011 76	ARHGDIG	Rho GDP dissociation inhibitor (GDI) gamma	-0.293845	Inlier
siRNA Disorazole DMSO Run2	NM_0011 76	ARHGDIG	Rho GDP dissociation inhibitor (GDI) gamma	0.293844	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0011 76	ARHGDIG	Rho GDP dissociation inhibitor (GDI) gamma	0.623863	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0011 76	ARHGDIG	Rho GDP dissociation inhibitor (GDI) gamma	0.725137	Inlier
siRNA Disorazole DMSO Run1	NM_0011 76	ARHGDIG	Rho GDP dissociation inhibitor (GDI) gamma	1.277228	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1989 77	ARHGEF1	Rho guanine nucleotide exchange factor (GEF) 1	-0.941843	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1989 77	ARHGEF1	Rho guanine nucleotide exchange factor (GEF) 1	-0.679944	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log2 Fold Change	Outlier Status
siRNA Disorazole DMSO Run3	NM_198977	ARHGEF1	Rho guanine nucleotide exchange factor (GEF) 1	-0.104388	Inlier
siRNA-Temozolomide Run1-DMSO	NM_198977	ARHGEF1	Rho guanine nucleotide exchange factor (GEF) 1	-0.028385	Inlier
siRNA-Vinblastine Run2-DMSO	NM_198977	ARHGEF1	Rho guanine nucleotide exchange factor (GEF) 1	0.028385	Inlier
siRNA Disorazole DMSO Run1	NM_198977	ARHGEF1	Rho guanine nucleotide exchange factor (GEF) 1	0.669056	Inlier
siRNA Disorazole DMSO Run2	NM_198977	ARHGEF1	Rho guanine nucleotide exchange factor (GEF) 1	1.509119	Inlier
siRNA-Vinblastine Run1-DMSO	NM_198977	ARHGEF1	Rho guanine nucleotide exchange factor (GEF) 1	2.232637	Inlier
siRNA-Temozolomide Run2-DMSO	NM_014784	ARHGEF1	Rho guanine nucleotide exchange factor (GEF) 11	-0.810177	Inlier
siRNA-Temozolomide Run3-DMSO	NM_014784	ARHGEF1	Rho guanine nucleotide exchange factor (GEF) 11	-0.704875	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Score	Category
siRNA-Vinblastine Run2-DMSO	NM_014784	ARHGEF1	Rho guanine nucleotide exchange factor (GEF) 11	-0.32795	Inlier
siRNA Disorazole DMSO Run3	NM_014784	ARHGEF1	Rho guanine nucleotide exchange factor (GEF) 11	-0.036227	Inlier
siRNA-Temozolomide Run1-DMSO	NM_014784	ARHGEF1	Rho guanine nucleotide exchange factor (GEF) 11	0.036227	Inlier
siRNA Disorazole DMSO Run1	NM_014784	ARHGEF1	Rho guanine nucleotide exchange factor (GEF) 11	0.644125	Inlier
siRNA Disorazole DMSO Run2	NM_014784	ARHGEF1	Rho guanine nucleotide exchange factor (GEF) 11	6.05936	Outlier
siRNA-Vinblastine Run1-DMSO	NM_014784	ARHGEF1	Rho guanine nucleotide exchange factor (GEF) 11	6.909899	Outlier
siRNA-Temozolomide Run3-DMSO	NM_015313	ARHGEF1	Rho guanine nucleotide exchange factor (GEF) 12	-0.699427	Inlier
siRNA-Vinblastine Run1-DMSO	NM_015313	ARHGEF1	Rho guanine nucleotide exchange factor (GEF) 12	-0.649573	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Pathway	Value	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_015313	ARHGEF1	Rho guanine nucleotide exchange factor (GEF) 12	-0.487091	Inlier
siRNA Disorazole DMSO Run2	NM_015313	ARHGEF1	Rho guanine nucleotide exchange factor (GEF) 12	-0.275275	Inlier
siRNA-Vinblastine Run2-DMSO	NM_015313	ARHGEF1	Rho guanine nucleotide exchange factor (GEF) 12	0.275275	Inlier
siRNA-Temozolomide Run1-DMSO	NM_015313	ARHGEF1	Rho guanine nucleotide exchange factor (GEF) 12	0.862176	Inlier
siRNA Disorazole DMSO Run3	NM_015313	ARHGEF1	Rho guanine nucleotide exchange factor (GEF) 12	1.054986	Inlier
siRNA Disorazole DMSO Run1	NM_015313	ARHGEF1	Rho/rac guanine nucleotide exchange factor (GEF) 12	1.117305	Inlier
siRNA-Temozolomide Run3-DMSO	NM_015318	ARHGEF1	Rho/rac guanine nucleotide exchange factor (GEF) 18	-2.800922	Inlier
siRNA-Temozolomide Run2-DMSO	NM_015318	ARHGEF1	Rho/rac guanine nucleotide exchange factor (GEF) 18	-1.904477	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Factor	Value	Outlier Status
siRNA-Temozolomide Run1-DMSO	NM_0153 18	ARHGEF1 8	rho/rac guanine nucleotide exchange factor (GEF) 18	-1.525423	Inlier
siRNA Disorazole DMSO Run1	NM_0153 18	ARHGEF1 8	rho/rac guanine nucleotide exchange factor (GEF) 18	-0.01087	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0153 18	ARHGEF1 8	rho/rac guanine nucleotide exchange factor (GEF) 18	0.01087	Inlier
siRNA Disorazole DMSO Run2	NM_0153 18	ARHGEF1 8	rho/rac guanine nucleotide exchange factor (GEF) 18	0.158895	Inlier
siRNA Disorazole DMSO Run3	NM_0153 18	ARHGEF1 8	rho/rac guanine nucleotide exchange factor (GEF) 18	0.255024	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0153 18	ARHGEF1 8	rho/rac guanine nucleotide exchange factor (GEF) 18	1.093976	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0047 23	ARHGEF2 2	rho/rac guanine nucleotide exchange factor (GEF) 2	-2.434824	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0047 23	ARHGEF2 2	rho/rac guanine nucleotide exchange factor (GEF) 2	-1.622893	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log Fold Change	Outlier Status
siRNA-Vinblastine Run1-DMSO	NM_004723	ARHGEF2	rho/rac guanine nucleotide exchange factor (GEF) 2	-0.338548	Inlier
siRNA Disorazole DMSO Run3	NM_004723	ARHGEF2	rho/rac guanine nucleotide exchange factor (GEF) 2	-0.056978	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004723	ARHGEF2	rho/rac guanine nucleotide exchange factor (GEF) 2	0.056978	Inlier
siRNA Disorazole DMSO Run1	NM_004723	ARHGEF2	rho/rac guanine nucleotide exchange factor (GEF) 2	0.502321	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004723	ARHGEF2	rho/rac guanine nucleotide exchange factor (GEF) 2	0.846679	Inlier
siRNA Disorazole DMSO Run2	NM_004723	ARHGEF2	Rho guanine nucleotide exchange factor (GEF) 2	2.204034	Inlier
siRNA-Temozolomide Run3-DMSO	NM_032995	ARHGEF4	Rho guanine nucleotide exchange factor (GEF) 4	-1.680455	Inlier
siRNA-Vinblastine Run2-DMSO	NM_032995	ARHGEF4	Rho guanine nucleotide exchange factor (GEF) 4	-1.059231	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Score	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_0329 95	ARHGEF4	Rho guanine nucleotide exchange factor (GEF) 4	-0.636002	Inlier
siRNA Disorazole DMSO Run3	NM_0329 95	ARHGEF4	Rho guanine nucleotide exchange factor (GEF) 4	-0.341337	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0329 95	ARHGEF4	Rho guanine nucleotide exchange factor (GEF) 4	0.341338	Inlier
siRNA Disorazole DMSO Run1	NM_0329 95	ARHGEF4	Rho guanine nucleotide exchange factor (GEF) 4	0.506482	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0329 95	ARHGEF4	Rho guanine nucleotide exchange factor (GEF) 4	0.712998	Inlier
siRNA Disorazole DMSO Run2	NM_0329 95	ARHGEF4	Rho guanine nucleotide exchange factor (GEF) 4 Rac/Cdc42 guanine nucleotide exchange factor	1.298883	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0048 40	ARHGEF6	Rac/Cdc42 guanine nucleotide exchange factor (GEF) 6	-2.08201	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0048 40	ARHGEF6	Rac/Cdc42 guanine nucleotide exchange factor (GEF) 6	-0.539532	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log Fold Change	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_0048 40	ARHGEF6	Rac/Cdc4 2 guanine nucleotide exchange factor (GEF) 6	-0.102396	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0048 40	ARHGEF6	Rac/Cdc4 2 guanine nucleotide exchange factor (GEF) 6	-0.030077	Inlier
siRNA Disorazole DMSO Run3	NM_0048 40	ARHGEF6	Rac/Cdc4 2 guanine nucleotide exchange factor (GEF) 6	0.030077	Inlier
siRNA Disorazole DMSO Run2	NM_0048 40	ARHGEF6	Rac/Cdc4 2 guanine nucleotide exchange factor (GEF) 6	0.809468	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0048 40	ARHGEF6	Rac/Cdc4 2 guanine nucleotide exchange factor (GEF) 6	0.946139	Inlier
siRNA Disorazole DMSO Run1	NM_0048 40	ARHGEF6	Rho guanine nucleotide exchange factor (GEF) 6	0.972267	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1457 35	ARHGEF7	Rho guanine nucleotide exchange factor (GEF) 7	-1.268324	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1457 35	ARHGEF7	Rho guanine nucleotide exchange factor (GEF) 7	-0.76948	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_1457 35	ARHGEF7	Rho guanine nucleotide exchange factor (GEF) 7	-0.57952	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1457 35	ARHGEF7	Rho guanine nucleotide exchange factor (GEF) 7	-0.08123	Inlier
siRNA Disorazole DMSO Run3	NM_1457 35	ARHGEF7	Rho guanine nucleotide exchange factor (GEF) 7	0.08123	Inlier
siRNA Disorazole DMSO Run1	NM_1457 35	ARHGEF7	Rho guanine nucleotide exchange factor (GEF) 7	0.327736	Inlier
siRNA Disorazole DMSO Run2	NM_1457 35	ARHGEF7	Rho guanine nucleotide exchange factor (GEF) 7	1.40834	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1457 35	ARHGEF7	Rho guanine nucleotide exchange factor (GEF) 7	1.879414	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0046 75	ARHI	DIRAS family, GTP- binding RAS-like 3	-0.845068	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0046 75	ARHI	DIRAS family, GTP- binding RAS-like 3	-0.649262	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0046 75	ARHI	DIRAS family, GTP-binding RAS-like 3	-0.234292	Inlier
siRNA Disorazole DMSO Run1	NM_0046 75	ARHI	DIRAS family, GTP-binding RAS-like 3	-0.005745	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0046 75	ARHI	DIRAS family, GTP-binding RAS-like 3	0.005745	Inlier
siRNA Disorazole DMSO Run3	NM_0046 75	ARHI	DIRAS family, GTP-binding RAS-like 3	0.699738	Inlier
siRNA Disorazole DMSO Run2	NM_0046 75	ARHI	DIRAS family, GTP-binding RAS-like 3	1.045434	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0046 75	ARHI	DIRAS family, GTP-binding RAS-like 3	1.677276	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0054 40	ARHN	Rho family GTPase 2	-1.294008	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0054 40	ARHN	Rho family GTPase 2	-0.846367	Inlier
siRNA Disorazole DMSO Run1	NM_0054 40	ARHN	Rho family GTPase 2	-0.364418	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0054 40	ARHN	Rho family GTPase 2	-0.222497	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0054 40	ARHN	Rho family GTPase 2	0.222497	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0054 40	ARHN	Rho family GTPase 2	0.502632	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0054 40	ARHN	Rho family GTPase 2	1.847299	Inlier
siRNA Disorazole DMSO Run2	NM_0054 40	ARHN	Rho family GTPase 2	1.87019	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0057 44	ARIH1	ariadne homolog, ubiquitin- conjugatin g enzyme E2 binding protein, 1 (Drosophil a)	-1.39692	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0057 44	ARIH1	ariadne homolog, ubiquitin- conjugatin g enzyme E2 binding protein, 1 (Drosophil a)	-0.976836	Inlier
siRNA Disorazole DMSO Run3	NM_0057 44	ARIH1	ariadne homolog, ubiquitin- conjugatin g enzyme E2 binding protein, 1 (Drosophil a)	-0.462848	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0057 44	ARIH1	ariadne homolog, ubiquitin- conjugatin g enzyme E2 binding protein, 1 (Drosophil a)	-0.174655	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0057 44	ARIH1	ariadne homolog, ubiquitin-conjugating enzyme E2 binding protein, 1 (Drosophila)	0.174656	Inlier
siRNA Disorazole DMSO Run1	NM_0057 44	ARIH1	ariadne homolog, ubiquitin-conjugating enzyme E2 binding protein, 1 (Drosophila)	0.387804	Inlier
siRNA Disorazole DMSO Run2	NM_0057 44	ARIH1	ariadne homolog, ubiquitin-conjugating enzyme E2 binding protein, 1 (Drosophila)	0.886152	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0057 44	ARIH1	ariadne homolog, ubiquitin-conjugating enzyme E2 binding protein, 1 (Drosophila)	1.365269	Inlier
siRNA Disorazole DMSO Run2	NM_0148 40	ARK5	NUAK family, SNF1-like kinase, 1	-3.135428	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0148 40	ARK5	NUAK family, SNF1-like kinase, 1	-1.050554	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0148 40	ARK5	NUAK family, SNF1-like kinase, 1	-0.640812	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0148 40	ARK5	NUAK family, SNF1-like kinase, 1	-0.557913	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0148 40	ARK5	NUAK family, SNF1-like kinase, 1	0.557913	Inlier
siRNA Disorazole DMSO Run3	NM_0148 40	ARK5	NUAK family, SNF1-like kinase, 1	0.598528	Inlier
siRNA Disorazole DMSO Run1	NM_0148 40	ARK5	NUAK family, SNF1-like kinase, 1	0.708188	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0148 40	ARK5	NUAK family, SNF1-like kinase, 1	1.01048	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0011 77	ARL1	ADP-ribosylation factor-like 1	-1.508026	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0011 77	ARL1	ADP-ribosylation factor-like 1	-1.343569	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0011 77	ARL1	ADP-ribosylation factor-like 1	-0.540589	Inlier
siRNA Disorazole DMSO Run2	NM_0011 77	ARL1	ADP-ribosylation factor-like 1	-0.026591	Inlier
siRNA Disorazole DMSO Run3	NM_0011 77	ARL1	ADP-ribosylation factor-like 1	0.02659	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0011 77	ARL1	ADP-ribosylation factor-like 1	0.290411	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0011 77	ARL1	ADP-ribosylation factor-like 1	0.808411	Inlier
siRNA Disorazole DMSO Run1	NM_0011 77	ARL1	ADP-ribosylation factor-like 1	1.352755	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0016 67	ARL2	ADP-ribosylation factor-like 2	-1.154872	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0016 67	ARL2	ADP-ribosylation factor-like 2	-0.744462	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0016 67	ARL2	ADP-ribosylation factor-like 2	-0.21134	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0016 67	ARL2	ADP-ribosylation factor-like 2	-0.026499	Inlier
siRNA Disorazole DMSO Run3	NM_0016 67	ARL2	ADP-ribosylation factor-like 2	0.026499	Inlier
siRNA Disorazole DMSO Run1	NM_0016 67	ARL2	ADP-ribosylation factor-like 2	0.604538	Inlier
siRNA Disorazole DMSO Run2	NM_0016 67	ARL2	ADP-ribosylation factor-like 2	0.800043	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0016 67	ARL2	ADP-ribosylation factor-like 2	1.441833	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0043 11	ARL3	ADP-ribosylation factor-like 3	-1.198593	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0043 11	ARL3	ADP-ribosylation factor-like 3	-0.948554	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0043 11	ARL3	ADP-ribosylation factor-like 3	-0.762659	Inlier
siRNA Disorazole DMSO Run3	NM_0043 11	ARL3	ADP-ribosylation factor-like 3	-0.236649	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0043 11	ARL3	ADP-ribosylation factor-like 3	0.236649	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0043 11	ARL3	ADP- ribosylatio n factor- like 3	0.294148	Inlier
siRNA Disorazole DMSO Run1	NM_0043 11	ARL3	ADP- ribosylatio n factor- like 3	0.659533	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0043 11	ARL3	ADP- ribosylatio n factor- like 3	0.689467	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0057 19	ARPC3	actin related protein 2/3 complex, subunit 3, 21kDa	-2.52526	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0057 19	ARPC3	actin related protein 2/3 complex, subunit 3, 21kDa	-1.586768	Inlier
siRNA Disorazole DMSO Run1	NM_0057 19	ARPC3	actin related protein 2/3 complex, subunit 3, 21kDa	-0.212965	Inlier
siRNA Disorazole DMSO Run2	NM_0057 19	ARPC3	actin related protein 2/3 complex, subunit 3, 21kDa	-0.017318	Inlier
siRNA Disorazole DMSO Run3	NM_0057 19	ARPC3	actin related protein 2/3 complex, subunit 3, 21kDa	0.017319	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0057 19	ARPC3	actin related protein 2/3 complex, subunit 3, 21kDa	0.630856	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0057 19	ARPC3	actin related protein 2/3 complex, subunit 3, 21kDa	0.718144	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0057 19	ARPC3	actin related protein 2/3 complex, subunit 3, 21kDa	1.890058	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0057 18	ARPC4	actin related protein 2/3 complex, subunit 4, 20kDa	-1.442582	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0057 18	ARPC4	actin related protein 2/3 complex, subunit 4, 20kDa	-0.528151	Inlier
siRNA Disorazole DMSO Run3	NM_0057 18	ARPC4	actin related protein 2/3 complex, subunit 4, 20kDa	-0.308323	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0057 18	ARPC4	actin related protein 2/3 complex, subunit 4, 20kDa	-0.030302	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0057 18	ARPC4	actin related protein 2/3 complex, subunit 4, 20kDa	0.030302	Inlier
siRNA Disorazole DMSO Run1	NM_0057 18	ARPC4	actin related protein 2/3 complex, subunit 4, 20kDa	0.820849	Inlier
siRNA Disorazole DMSO Run2	NM_0057 18	ARPC4	actin related protein 2/3 complex, subunit 4, 20kDa	2.051992	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0057 18	ARPC4	actin related protein 2/3 complex, subunit 4, 20kDa	2.572738	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0004 87	ARSA	arylsulfatase A	-1.003982	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0004 87	ARSA	arylsulfatase A	-0.792103	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0004 87	ARSA	arylsulfatase A	-0.198161	Inlier
siRNA Disorazole DMSO Run3	NM_0004 87	ARSA	arylsulfatase A	-0.138602	Inlier
siRNA Disorazole DMSO Run1	NM_0004 87	ARSA	arylsulfatase A	0.138602	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0004 87	ARSA	arylsulfatase A	0.556897	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0004 87	ARSA	arylsulfatase A	1.272792	Inlier
siRNA Disorazole DMSO Run2	NM_0004 87	ARSA	arylsulfatase A	1.527088	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1987 09	ARSB	arylsulfatase B	-1.576688	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1987 09	ARSB	arylsulfatase B	-1.061239	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1987 09	ARSB	arylsulfatase B	-0.287761	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1987 09	ARSB	arylsulfatase B	-0.064327	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_1987		arylsulfata		
siRNA Disorazole DMSO Run1	09	ARSB	se B	0.064327	Inlier
	NM_1987		arylsulfata		
siRNA Disorazole DMSO Run3	09	ARSB	se B	0.156795	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1987		arylsulfata		
	09	ARSB	se B	2.870582	Inlier
	NM_1987		arylsulfata		
siRNA Disorazole DMSO Run2	09	ARSB	se B	4.528468	Outlier
siRNA-Vinblastine Run2-DMSO	NM_0095		arylsulfata		
	89	ARSD	se D	-1.9162	Inlier
	NM_0095		arylsulfata		
siRNA Disorazole DMSO Run3	89	ARSD	se D	-0.580938	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0095		arylsulfata		
	89	ARSD	se D	-0.55764	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0095		arylsulfata		
	89	ARSD	se D	-0.383745	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0095		arylsulfata		
	89	ARSD	se D	0.383745	Inlier
	NM_0095		arylsulfata		
siRNA Disorazole DMSO Run1	89	ARSD	se D	0.768062	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0095		arylsulfata		
	89	ARSD	se D	1.720483	Inlier
	NM_0095		arylsulfata		
siRNA Disorazole DMSO Run2	89	ARSD	se D	2.48877	Inlier
			arylsulfata		
			se E		
			(chondrodysplasia punctata 1)		
siRNA-Vinblastine Run2-DMSO	NM_0000		arylsulfata		
	47	ARSE	se E	-1.608265	Inlier
			(chondrodysplasia punctata 1)		
	NM_0000		arylsulfata		
siRNA Disorazole DMSO Run1	47	ARSE	se E	-1.007131	Inlier
			(chondrodysplasia punctata 1)		
	NM_0000		arylsulfata		
siRNA Disorazole DMSO Run3	47	ARSE	se E	-0.543982	Inlier
			(chondrodysplasia punctata 1)		
	NM_0000		arylsulfata		
siRNA-Temozolomide Run3-DMSO	47	ARSE	se E	-0.022144	Inlier
			(chondrodysplasia punctata 1)		

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_000047	ARSE	arylsulfatase E (chondrodysplasia punctata 1)	0.022144	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000047	ARSE	arylsulfatase E (chondrodysplasia punctata 1)	0.025455	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000047	ARSE	arylsulfatase E (chondrodysplasia punctata 1)	0.805018	Inlier
siRNA Disorazole DMSO Run2	NM_000047	ARSE	arylsulfatase E (chondrodysplasia punctata 1)	1.449657	Inlier
siRNA Disorazole DMSO Run1	NM_004042	ARSF	arylsulfatase F	-1.305989	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004042	ARSF	arylsulfatase F	-1.13186	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004042	ARSF	arylsulfatase F	-0.424946	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004042	ARSF	arylsulfatase F	-0.044095	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004042	ARSF	arylsulfatase F	0.044095	Inlier
siRNA Disorazole DMSO Run3	NM_004042	ARSF	arylsulfatase F	0.217277	Inlier
siRNA Disorazole DMSO Run2	NM_004042	ARSF	arylsulfatase F	0.924054	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004042	ARSF	arylsulfatase F	1.255564	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004314	ART1	ADP-ribosyltransferase 1	-1.060585	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004314	ART1	ADP-ribosyltransferase 1	-0.681452	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004314	ART1	ADP-ribosyltransferase 1	-0.667548	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0043 14	ART1	ADP- ribosyltran sferase 1	-0.157963	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0043 14	ART1	ADP- ribosyltran sferase 1	0.157962	Inlier
siRNA Disorazole DMSO Run1	NM_0043 14	ART1	ADP- ribosyltran sferase 1	0.397585	Inlier
siRNA Disorazole DMSO Run2	NM_0043 14	ART1	ADP- ribosyltran sferase 1	2.438551	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0043 14	ART1	ADP- ribosyltran sferase 1	4.217183	Outlier
siRNA-Temozolomide Run3- DMSO	NM_0011 79	ART3	ADP- ribosyltran sferase 3	-0.912902	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0011 79	ART3	ADP- ribosyltran sferase 3	-0.890526	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0011 79	ART3	ADP- ribosyltran sferase 3	-0.847683	Inlier
siRNA Disorazole DMSO Run1	NM_0011 79	ART3	ADP- ribosyltran sferase 3	-0.134468	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0011 79	ART3	ADP- ribosyltran sferase 3	0.134467	Inlier
siRNA Disorazole DMSO Run3	NM_0011 79	ART3	ADP- ribosyltran sferase 3	0.232383	Inlier
siRNA Disorazole DMSO Run2	NM_0011 79	ART3	ADP- ribosyltran sferase 3	0.501317	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0011 79	ART3	ADP- ribosyltran sferase 3	0.963792	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0530 17	ART5	ADP-ribosyltransferase 5	-2.264607	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0530 17	ART5	ADP-ribosyltransferase 5	-1.651047	Inlier
siRNA Disorazole DMSO Run1	NM_0530 17	ART5	ADP-ribosyltransferase 5	-0.65744	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0530 17	ART5	ADP-ribosyltransferase 5	-0.327254	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0530 17	ART5	ADP-ribosyltransferase 5	0.327255	Inlier
siRNA Disorazole DMSO Run3	NM_0530 17	ART5	ADP-ribosyltransferase 5	0.641567	Inlier
siRNA Disorazole DMSO Run2	NM_0530 17	ART5	ADP-ribosyltransferase 5	0.69156	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0530 17	ART5	ADP-ribosyltransferase 5	1.690008	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0164 42	ARTS-1	ARTS-1	-1.262834	Inlier
siRNA Disorazole DMSO Run2	NM_0164 42	ARTS-1	ARTS-1	-1.017713	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0164 42	ARTS-1	ARTS-1	-0.546907	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0164 42	ARTS-1	ARTS-1	-0.103239	Inlier
siRNA Disorazole DMSO Run1	NM_0164 42	ARTS-1	ARTS-1	0.103239	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0164 42	ARTS-1	ARTS-1	0.254749	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0164 42	ARTS-1	ARTS-1	0.802093	Inlier
siRNA Disorazole DMSO Run3	NM_0164 42	ARTS-1	ARTS-1	3.203758	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0206 82	AS3MT	arsenic (+3 oxidation state) methyltran sferase	-1.273035	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0206 82	AS3MT	arsenic (+3 oxidation state) methyltran sferase	-1.18949	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0206 82	AS3MT	arsenic (+3 oxidation state) methyltran sferase	-0.639245	Inlier
siRNA Disorazole DMSO Run3	NM_0206 82	AS3MT	arsenic (+3 oxidation state) methyltran sferase	-0.049648	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0206 82	AS3MT	arsenic (+3 oxidation state) methyltran sferase	0.049648	Inlier
siRNA Disorazole DMSO Run2	NM_0206 82	AS3MT	arsenic (+3 oxidation state) methyltran sferase	0.522198	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0206 82	AS3MT	arsenic (+3 oxidation state) methyltran sferase	0.709755	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0206 82	AS3MT	arsenic (+3 oxidation state) methyltran sferase	1.654507	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_1779 24	ASAH1	N-acylsphingosine amidohydrolase (acid ceramidase) 1	-1.263154	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1779 24	ASAH1	N-acylsphingosine amidohydrolase (acid ceramidase) 1	-1.057003	Inlier
siRNA Disorazole DMSO Run3	NM_1779 24	ASAH1	N-acylsphingosine amidohydrolase (acid ceramidase) 1	-0.291997	Inlier
siRNA Disorazole DMSO Run1	NM_1779 24	ASAH1	N-acylsphingosine amidohydrolase (acid ceramidase) 1	-0.057789	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1779 24	ASAH1	N-acylsphingosine amidohydrolase (acid ceramidase) 1	0.057789	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1779 24	ASAH1	N-acylsphingosine amidohydrolase (acid ceramidase) 1	0.090867	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_1779 24	ASAH1	N-acylsphingosine amidohydrolase (acid ceramidase) 1	1.598139	Inlier
siRNA Disorazole DMSO Run2	NM_1779 24	ASAH1	N-acylsphingosine amidohydrolase (acid ceramidase) 1	2.186989	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0198 93	ASAH2	N-acylsphingosine amidohydrolase (non-lysosomal ceramidase) 2	-1.278798	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0198 93	ASAH2	N-acylsphingosine amidohydrolase (non-lysosomal ceramidase) 2	-0.943924	Inlier
siRNA Disorazole DMSO Run3	NM_0198 93	ASAH2	N-acylsphingosine amidohydrolase (non-lysosomal ceramidase) 2	-0.405076	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0198 93	ASAH2	N-acylsphingosine amidohydrolase (non-lysosomal ceramidase) 2	-0.006577	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0198 93	ASAH2	N-acylsphingosine amidohydrolase (non-lysosomal ceramide) 2	0.006577	Inlier
siRNA Disorazole DMSO Run1	NM_0198 93	ASAH2	N-acylsphingosine amidohydrolase (non-lysosomal ceramide) 2	0.322296	Inlier
siRNA Disorazole DMSO Run2	NM_0198 93	ASAH2	N-acylsphingosine amidohydrolase (non-lysosomal ceramide) 2	1.258031	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0198 93	ASAH2	N-acylsphingosine amidohydrolase (non-lysosomal ceramide) 2	1.374065	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1334 92	ASAH3	N-acylsphingosine amidohydrolase (alkaline ceramide) 3	-1.950795	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1334 92	ASAH3	N-acylsphingosine amidohydrolase (alkaline ceramide) 3	-0.952319	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Condition	Run	Gene	Accession	Probe	Log2FC	Category
siRNA Disorazole	DMSO	Run3	92	NM_1334	ASA3H3	-0.396681	Inlier
siRNA-Temozolomide	DMSO	Run2-	92	NM_1334	ASA3H3	-0.237931	Inlier
siRNA-Temozolomide	DMSO	Run3-	92	NM_1334	ASA3H3	0.23793	Inlier
siRNA Disorazole	DMSO	Run1	92	NM_1334	ASA3H3	0.312992	Inlier
siRNA-Vinblastine	DMSO	Run1-	92	NM_1334	ASA3H3	0.966176	Inlier
siRNA Disorazole	DMSO	Run2	92	NM_1334	ASA3H3	3.030052	Inlier

N-acylsphingosine amidohydrolase (alkaline ceramidase) 3

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0144 35	ASAHL	N-acylsphingosine amidohydrolase (acid ceramidase)-like	-1.268145	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0144 35	ASAHL	N-acylsphingosine amidohydrolase (acid ceramidase)-like	-1.138113	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0144 35	ASAHL	N-acylsphingosine amidohydrolase (acid ceramidase)-like	-0.845681	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0144 35	ASAHL	N-acylsphingosine amidohydrolase (acid ceramidase)-like	-0.40737	Inlier
siRNA Disorazole DMSO Run3	NM_0144 35	ASAHL	N-acylsphingosine amidohydrolase (acid ceramidase)-like	0.40737	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0144 35	ASAHL	N-acylsphingosine amidohydrolase (acid ceramidase)-like	0.453491	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0144 35	ASAHL	N-acylsphingosine amidohydrolase (acid ceramidase)-like	0.503319	Inlier
siRNA Disorazole DMSO Run2	NM_0144 35	ASAHL	N-acylsphingosine amidohydrolase (acid ceramidase)-like	1.081901	Inlier
siRNA Disorazole DMSO Run2	NM_0808 71	ASB10	ankyrin repeat and SOCS box-containing 10	-2.892395	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0808 71	ASB10	ankyrin repeat and SOCS box-containing 10	-1.637107	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0808 71	ASB10	ankyrin repeat and SOCS box-containing 10	-0.922901	Inlier
siRNA Disorazole DMSO Run1	NM_0808 71	ASB10	ankyrin repeat and SOCS box-containing 10	-0.187613	Inlier
siRNA Disorazole DMSO Run3	NM_0808 71	ASB10	ankyrin repeat and SOCS box-containing 10	0.187614	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0808 71	ASB10	ankyrin repeat and SOCS box-containing 10	0.412243 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0808 71	ASB10	ankyrin repeat and SOCS box-containing 10	0.426099 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0808 71	ASB10	ankyrin repeat and SOCS box-containing 10	1.132768 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0016 71	ASGR1	asialoglyc oprotein receptor 1	-1.618108 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0016 71	ASGR1	asialoglyc oprotein receptor 1	-0.683912 Inlier
siRNA Disorazole DMSO Run1	NM_0016 71	ASGR1	asialoglyc oprotein receptor 1	-0.665088 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0016 71	ASGR1	asialoglyc oprotein receptor 1	-0.076499 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0016 71	ASGR1	asialoglyc oprotein receptor 1	0.076499 Inlier
siRNA Disorazole DMSO Run3	NM_0016 71	ASGR1	asialoglyc oprotein receptor 1	0.308687 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0016 71	ASGR1	asialoglyc oprotein receptor 1	2.563543 Inlier
siRNA Disorazole DMSO Run2	NM_0016 71	ASGR1	asialoglyc oprotein receptor 1	3.178704 Inlier
siRNA Disorazole DMSO Run1	NM_0809 12	ASGR2	asialoglyc oprotein receptor 2	-1.772924 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0809 12	ASGR2	asialoglyc oprotein receptor 2	-1.145216 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology				asialoglyc	
siRNA-Temozolomide Run2-DMSO	NM_0809 12	ASGR2	receptor 2	-0.247054	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0809 12	ASGR2	receptor 2	-0.013072	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0809 12	ASGR2	receptor 2	0.013073	Inlier
siRNA Disorazole DMSO Run3	NM_0809 12	ASGR2	receptor 2	0.396997	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0809 12	ASGR2	receptor 2	0.952002	Inlier
siRNA Disorazole DMSO Run2	NM_0809 12	ASGR2	receptor 2	2.211206	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0067 16	ASK	ASK	-1.195379	Inlier
siRNA Disorazole DMSO Run2	NM_0067 16	ASK	ASK	-0.780889	Inlier
siRNA Disorazole DMSO Run3	NM_0067 16	ASK	ASK	-0.568111	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0067 16	ASK	ASK	-0.388146	Inlier
siRNA Disorazole DMSO Run1	NM_0067 16	ASK	ASK	0.388146	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0067 16	ASK	ASK	0.440967	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0067 16	ASK	ASK	1.446741	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0067 16	ASK	ASK	1.548016	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 24946	ASL	argininosu ccinate lyase	-1.161291	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 24946	ASL	argininosu ccinate lyase	-0.695308	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 24946	ASL	argininosu ccinate lyase	-0.603015	Inlier
siRNA Disorazole DMSO Run1	NM_0010 24946	ASL	argininosu ccinate lyase	-0.171059	Inlier
siRNA Disorazole DMSO Run3	NM_0010 24946	ASL	argininosu ccinate lyase	0.171059	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 24946	ASL	argininosu ccinate lyase	0.653692	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Condition	Gene ID	Accession	Gene Name	Z-score	Outlier Type
Molecular Pharmacology siRNA-Vinblastine Run1- DMSO	NM_0010 24946	ASL	argininosu ccinate lyase	0.816997	Inlier
siRNA Disorazole DMSO Run2	NM_0010 24946	ASL	argininosu ccinate lyase	1.004039	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0040 43	ASMT	acetylserot onin O- methyltran sferase	-2.866989	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0040 43	ASMT	acetylserot onin O- methyltran sferase	-2.220163	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0040 43	ASMT	acetylserot onin O- methyltran sferase	-1.628585	Inlier
siRNA Disorazole DMSO Run1	NM_0040 43	ASMT	acetylserot onin O- methyltran sferase	-0.001864	Inlier
siRNA Disorazole DMSO Run3	NM_0040 43	ASMT	acetylserot onin O- methyltran sferase	0.001865	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0040 43	ASMT	acetylserot onin O- methyltran sferase	0.116575	Inlier
siRNA Disorazole DMSO Run2	NM_0040 43	ASMT	acetylserot onin O- methyltran sferase	0.641772	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0040 43	ASMT	acetylserot onin O- methyltran sferase	0.707228	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0041 92	ASMTL	acetylserot onin O- methyltran sferase- like	-1.461543	Inlier
siRNA Disorazole DMSO Run1	NM_0041 92	ASMTL	acetylserot onin O- methyltran sferase- like	-0.621627	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_004192	ASMTL	acetylserotonin O-methyltransferase-like	-0.354299	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004192	ASMTL	acetylserotonin O-methyltransferase-like	-0.062414	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004192	ASMTL	acetylserotonin O-methyltransferase-like	0.062415	Inlier
siRNA Disorazole DMSO Run3	NM_004192	ASMTL	acetylserotonin O-methyltransferase-like	0.727373	Inlier
siRNA Disorazole DMSO Run2	NM_004192	ASMTL	acetylserotonin O-methyltransferase-like	0.872505	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004192	ASMTL	acetylserotonin O-methyltransferase-like	1.420576	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004317	ASNA1	arsA arsenite transporter, ATP-binding, homolog 1 (bacterial)	-1.311719	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004317	ASNA1	arsA arsenite transporter, ATP-binding, homolog 1 (bacterial)	-0.973211	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0043 17	ASNA1	arsA arsenite transporter , ATP- binding, homolog 1 (bacterial)	-0.540949	Inlier
siRNA Disorazole DMSO Run2	NM_0043 17	ASNA1	arsA arsenite transporter , ATP- binding, homolog 1 (bacterial)	-0.102216	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0043 17	ASNA1	arsA arsenite transporter , ATP- binding, homolog 1 (bacterial)	0.102216	Inlier
siRNA Disorazole DMSO Run1	NM_0043 17	ASNA1	arsA arsenite transporter , ATP- binding, homolog 1 (bacterial)	0.146842	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0043 17	ASNA1	arsA arsenite transporter , ATP- binding, homolog 1 (bacterial)	0.808051	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0043 17	ASNA1	arsA arsenite transporter , ATP- binding, homolog 1 (bacterial)	0.850386	Inlier
siRNA Disorazole DMSO Run3	NM_1334 36	ASNS	asparagin e synthetase	-1.4656	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_1334 36	ASNS	asparagine synthetase	-0.602682	Inlier
siRNA Disorazole DMSO Run1	NM_1334 36	ASNS	asparagine synthetase	-0.602428	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1334 36	ASNS	asparagine synthetase	-0.380682	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1334 36	ASNS	asparagine synthetase	0.380682	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1334 36	ASNS	asparagine synthetase	0.746318	Inlier
siRNA Disorazole DMSO Run2	NM_1334 36	ASNS	asparagine synthetase	3.083686	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1334 36	ASNS	asparagine synthetase	3.41344	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0000 49	ASPA	aspartoacylase 2, (aminoacylase 2, Canavan disease)	-1.490072	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0000 49	ASPA	aspartoacylase 2, (aminoacylase 2, Canavan disease)	-0.862762	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0000 49	ASPA	aspartoacylase 2, (aminoacylase 2, Canavan disease)	-0.145847	Inlier
siRNA Disorazole DMSO Run1	NM_0000 49	ASPA	aspartoacylase 2, (aminoacylase 2, Canavan disease)	-0.066406	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_000049	ASPA	aspartoacylase 2, (aminoacylase 2, Canavan disease)	0.066406	Inlier
siRNA Disorazole DMSO Run3	NM_000049	ASPA	aspartoacylase 2, (aminoacylase 2, Canavan disease)	0.619097	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000049	ASPA	aspartoacylase 2, (aminoacylase 2, Canavan disease)	0.729903	Inlier
siRNA Disorazole DMSO Run2	NM_000049	ASPA	aspartate beta-hydroxylase	1.159898	Inlier
siRNA Disorazole DMSO Run3	NM_032468	ASPH	aspartate beta-hydroxylase	-2.287575	Inlier
siRNA-Vinblastine Run2-DMSO	NM_032468	ASPH	aspartate beta-hydroxylase	-0.911693	Inlier
siRNA-Temozolomide Run2-DMSO	NM_032468	ASPH	aspartate beta-hydroxylase	-0.429855	Inlier
siRNA Disorazole DMSO Run1	NM_032468	ASPH	aspartate beta-hydroxylase	-0.167588	Inlier
siRNA-Temozolomide Run1-DMSO	NM_032468	ASPH	aspartate beta-hydroxylase	0.167588	Inlier
siRNA-Temozolomide Run3-DMSO	NM_032468	ASPH	aspartate beta-hydroxylase	0.437307	Inlier
siRNA Disorazole DMSO Run2	NM_032468	ASPH	aspartate beta-hydroxylase	2.77378	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0324 68	ASPH	aspartate beta- hydroxylase	3.257107	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0250 80	ASRGL1	asparaginase like 1	-1.181092	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0250 80	ASRGL1	asparaginase like 1	-0.758119	Inlier
siRNA Disorazole DMSO Run1	NM_0250 80	ASRGL1	asparaginase like 1	-0.590881	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0250 80	ASRGL1	asparaginase like 1	-0.025708	Inlier
siRNA Disorazole DMSO Run3	NM_0250 80	ASRGL1	asparaginase like 1	0.025708	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0250 80	ASRGL1	asparaginase like 1	0.485266	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0250 80	ASRGL1	asparaginase like 1	1.910364	Inlier
siRNA Disorazole DMSO Run2	NM_0250 80	ASRGL1	asparaginase like 1	2.77318	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0000 50	ASS	argininosuccinate synthetase	-0.907492	Inlier
siRNA Disorazole DMSO Run3	NM_0000 50	ASS	argininosuccinate synthetase	-0.726554	Inlier
siRNA Disorazole DMSO Run1	NM_0000 50	ASS	argininosuccinate synthetase	-0.586868	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0000 50	ASS	argininosuccinate synthetase	-0.347124	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0000 50	ASS	argininosuccinate synthetase	0.347123	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0000 50	ASS	argininosuccinate synthetase	0.622446	Inlier
siRNA Disorazole DMSO Run2	NM_0000 50	ASS	argininosuccinate synthetase	1.2769	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0000 50	ASS	argininosuccinate synthetase	1.311397	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0328 10	ATAD1	ATPase family, AAA domain containing 1	-0.789086	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0328 10	ATAD1	ATPase family, AAA domain containing 1	-0.632978	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0328 10	ATAD1	ATPase family, AAA domain containing 1	-0.593479	Inlier
siRNA Disorazole DMSO Run3	NM_0328 10	ATAD1	ATPase family, AAA domain containing 1	-0.474142	Inlier
siRNA Disorazole DMSO Run1	NM_0328 10	ATAD1	ATPase family, AAA domain containing 1	0.474142	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0328 10	ATAD1	ATPase family, AAA domain containing 1	0.716022	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0328 10	ATAD1	ATPase family, AAA domain containing 1	3.049468	Inlier
siRNA Disorazole DMSO Run2	NM_0328 10	ATAD1	ATPase family, AAA domain containing 1	3.669687	Outlier
siRNA-Temozolomide Run1-DMSO	NM_0070 41	ATE1	arginyltransferase 1	-0.95507	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0070 41	ATE1	arginyltransferase 1	-0.680011	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0070 41	ATE1	arginyltransferase 1	-0.668989	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0070 41	ATE1	arginyltransferase 1	-0.055176	Inlier
siRNA Disorazole DMSO Run1	NM_0070 41	ATE1	arginyltransferase 1	0.055176	Inlier
siRNA Disorazole DMSO Run3	NM_0070 41	ATE1	arginyltransferase 1	0.585852	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0070 41	ATE1	arginyltransferase 1	1.21422	Inlier
siRNA Disorazole DMSO Run2	NM_0070 41	ATE1	arginyltransferase 1	1.336036	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0051 71	ATF1	activating transcription factor 1	-1.910172	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0051 71	ATF1	activating transcription factor 1	-1.142121	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0051 71	ATF1	activating transcription factor 1	-1.000828	Inlier
siRNA Disorazole DMSO Run1	NM_0051 71	ATF1	activating transcription factor 1	-0.165461	Inlier
siRNA Disorazole DMSO Run2	NM_0051 71	ATF1	activating transcription factor 1	0.165461	Inlier
siRNA Disorazole DMSO Run3	NM_0051 71	ATF1	activating transcription factor 1	0.252079	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0051 71	ATF1	activating transcription factor 1	0.572077	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_005171	ATF1	activating transcription factor 1	0.776923	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004044	ATIC	5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase/IMP cyclohydrolase	-1.458739	Inlier
siRNA Disorazole DMSO Run1	NM_004044	ATIC	5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase/IMP cyclohydrolase	-1.071149	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004044	ATIC	5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase/IMP cyclohydrolase	-1.038518	Inlier
siRNA Disorazole DMSO Run3	NM_004044	ATIC	cyclohydrolase	-0.086421	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0040 44	ATIC	5- aminoimidazole-4- carboxamide ribonucleotide formyltransferase/IMP cyclohydrolase	0.086421	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0040 44	ATIC	5- aminoimidazole-4- carboxamide ribonucleotide formyltransferase/IMP cyclohydrolase	0.117577	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0040 44	ATIC	5- aminoimidazole-4- carboxamide ribonucleotide formyltransferase/IMP cyclohydrolase	0.310482	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0040 44	ATIC	5- aminoimidazole-4- carboxamide ribonucleotide formyltransferase/IMP cyclohydrolase	1.464807	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_000051	ATM	ataxia telangiectasia mutated (includes complementation groups A, C and D)	-1.289465	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000051	ATM	ataxia telangiectasia mutated (includes complementation groups A, C and D)	-0.904511	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000051	ATM	ataxia telangiectasia mutated (includes complementation groups A, C and D)	-0.604097	Inlier
siRNA Disorazole DMSO Run1	NM_000051	ATM	ataxia telangiectasia mutated (includes complementation groups A, C and D)	-0.00499	Inlier
siRNA Disorazole DMSO Run3	NM_000051	ATM	ataxia telangiectasia mutated (includes complementation groups A, C and D)	0.004991	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0000 51	ATM	ataxia telangiectasia mutated (includes complementation groups A, C and D)	0.226024	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0000 51	ATM	ataxia telangiectasia mutated (includes complementation groups A, C and D)	0.744903	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0000 51	ATM	ataxia telangiectasia mutated (includes complementation groups A, C and D)	1.417944	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0244 90	ATP10A	ATPase, Class V, type 10A	-3.250898	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0244 90	ATP10A	ATPase, Class V, type 10A	-2.622572	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0244 90	ATP10A	ATPase, Class V, type 10A	-0.257678	Inlier
siRNA Disorazole DMSO Run1	NM_0244 90	ATP10A	ATPase, Class V, type 10A	-0.036692	Inlier
siRNA Disorazole DMSO Run2	NM_0244 90	ATP10A	ATPase, Class V, type 10A	0.036691	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0244 90	ATP10A	ATPase, Class V, type 10A	0.513384	Inlier
siRNA Disorazole DMSO Run3	NM_0244 90	ATP10A	ATPase, Class V, type 10A	0.835616	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0244 90	ATP10A	ATPase, Class V, type 10A	1.521912	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0204 53	ATP10D	ATPase, Class V, type 10D	-0.942445	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0204 53	ATP10D	ATPase, Class V, type 10D	-0.735134	Inlier
siRNA Disorazole DMSO Run2	NM_0204 53	ATP10D	ATPase, Class V, type 10D	-0.613866	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0204 53	ATP10D	ATPase, Class V, type 10D	-0.227101	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0204 53	ATP10D	ATPase, Class V, type 10D	0.227101	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0204 53	ATP10D	ATPase, Class V, type 10D	0.418746	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0204 53	ATP10D	ATPase, Class V, type 10D	0.916956	Inlier
siRNA Disorazole DMSO Run3	NM_0204 53	ATP10D	ATPase, Class V, type 10D	1.120121	Inlier
siRNA-Temozolomide Run3-DMSO	XM_08502 8	ATP11A	ATPase, Class VI, type 11A	-1.172057	Inlier
siRNA-Temozolomide Run2-DMSO	XM_08502 8	ATP11A	ATPase, Class VI, type 11A	-0.801426	Inlier
siRNA-Temozolomide Run1-DMSO	XM_08502 8	ATP11A	ATPase, Class VI, type 11A	-0.547574	Inlier
siRNA Disorazole DMSO Run2	XM_08502 8	ATP11A	ATPase, Class VI, type 11A	-0.000597	Inlier
siRNA Disorazole DMSO Run3	XM_08502 8	ATP11A	ATPase, Class VI, type 11A	0.000597	Inlier
siRNA Disorazole DMSO Run1	XM_08502 8	ATP11A	ATPase, Class VI, type 11A	0.411219	Inlier
siRNA-Vinblastine Run1-DMSO	XM_08502 8	ATP11A	ATPase, Class VI, type 11A	1.072522	Inlier
siRNA-Vinblastine Run2-DMSO	XM_08502 8	ATP11A	ATPase, Class VI, type 11A	1.405143	Inlier
siRNA-Temozolomide Run3-DMSO	XM_08725 4	ATP11B	ATPase, Class VI, type 11B	-1.505906	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	XM_08725	4	ATP11B	ATPase, Class VI, type 11B	-1.294569	Inlier
siRNA-Temozolomide Run2-DMSO	XM_08725	4	ATP11B	ATPase, Class VI, type 11B	-0.059404	Inlier
siRNA-Temozolomide Run1-DMSO	XM_08725	4	ATP11B	ATPase, Class VI, type 11B	-0.01129	Inlier
siRNA Disorazole DMSO Run3	XM_08725	4	ATP11B	ATPase, Class VI, type 11B	0.01129	Inlier
siRNA Disorazole DMSO Run1	XM_08725	4	ATP11B	ATPase, Class VI, type 11B	0.323904	Inlier
siRNA-Vinblastine Run1-DMSO	XM_08725	4	ATP11B	ATPase, Class VI, type 11B	1.025096	Inlier
siRNA-Vinblastine Run2-DMSO	XM_08725	4	ATP11B	ATPase, Class VI, type 11B	2.467114	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001676	76	ATP12A	H+/K+ transportin g, nongastric , alpha polypeptide	-0.788281	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001676	76	ATP12A	ATPase, H+/K+ transportin g, nongastric , alpha polypeptide	-0.751521	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001676	76	ATP12A	ATPase, H+/K+ transportin g, nongastric , alpha polypeptide	-0.597479	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_001676	ATP12A	ATPase, H+/K+ transportin g, nongastric , alpha polypeptid e	-0.105288	Inlier
siRNA Disorazole DMSO Run1	NM_001676	ATP12A	ATPase, H+/K+ transportin g, nongastric , alpha polypeptid e	0.105288	Inlier
siRNA Disorazole DMSO Run3	NM_001676	ATP12A	ATPase, H+/K+ transportin g, nongastric , alpha polypeptid e	0.176637	Inlier
siRNA Disorazole DMSO Run2	NM_001676	ATP12A	ATPase, H+/K+ transportin g, nongastric , alpha polypeptid e	0.996569	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001676	ATP12A	ATPase, H+/K+ transportin g, nongastric , alpha polypeptid e	1.028341	Inlier
siRNA-Temozolomide Run2-DMSO	NM_020410	ATP13A	ATPase type 13A1	-1.510881	Inlier
siRNA-Temozolomide Run3-DMSO	NM_020410	ATP13A	ATPase type 13A1	-1.451441	Inlier
siRNA-Vinblastine Run2-DMSO	NM_020410	ATP13A	ATPase type 13A1	-0.479875	Inlier
siRNA Disorazole DMSO Run3	NM_020410	ATP13A	ATPase type 13A1	-0.181398	Inlier
siRNA Disorazole DMSO Run1	NM_020410	ATP13A	ATPase type 13A1	0.181398	Inlier
siRNA-Temozolomide Run1-DMSO	NM_020410	ATP13A	ATPase type 13A1	0.280062	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA	siRNA	siRNA	Gene	Gene	Gene	Gene	Gene	Gene	Gene
siRNA-Vinblastine Run1-DMSO	NM_0204	10	ATP13A	ATPase type 13A1	0.869125	Inlier			
siRNA Disorazole DMSO Run2	NM_0204	10	ATP13A	ATPase type 13A1	0.897345	Inlier			
siRNA-Temozolomide Run2-DMSO	NM_001001586		ATP1A1	ATPase, Na+/K+ transporting, alpha 1 polypeptide	-2.017924	Inlier			
siRNA-Temozolomide Run3-DMSO	NM_001001586		ATP1A1	ATPase, Na+/K+ transporting, alpha 1 polypeptide	-1.998429	Inlier			
siRNA-Temozolomide Run1-DMSO	NM_001001586		ATP1A1	ATPase, Na+/K+ transporting, alpha 1 polypeptide	-1.356257	Inlier			
siRNA-Vinblastine Run2-DMSO	NM_001001586		ATP1A1	ATPase, Na+/K+ transporting, alpha 1 polypeptide	-0.193502	Inlier			
siRNA Disorazole DMSO Run3	NM_001001586		ATP1A1	ATPase, Na+/K+ transporting, alpha 1 polypeptide	0.193502	Inlier			
siRNA Disorazole DMSO Run1	NM_001001586		ATP1A1	ATPase, Na+/K+ transporting, alpha 1 polypeptide	0.308605	Inlier			

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_001001586	ATP1A1	ATPase, Na+/K+ transporting, alpha 1 polypeptide	0.645963	Inlier
siRNA Disorazole DMSO Run2	NM_001001586	ATP1A1	ATPase, Na+/K+ transporting, alpha 1 polypeptide	0.703037	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000702	ATP1A2	ATPase, Na+/K+ transporting, alpha 2 (+) polypeptide	-2.196835	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000702	ATP1A2	ATPase, Na+/K+ transporting, alpha 2 (+) polypeptide	-0.761779	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000702	ATP1A2	ATPase, Na+/K+ transporting, alpha 2 (+) polypeptide	-0.73765	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000702	ATP1A2	ATPase, Na+/K+ transporting, alpha 2 (+) polypeptide	-0.298954	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000702	ATP1A2	ATPase, Na+/K+ transporting, alpha 2 (+) polypeptide	0.298954	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0007 02	ATP1A2	ATPase, Na ⁺ /K ⁺ transportin g, alpha 2 (+) polypeptid e	0.299735	Inlier
siRNA Disorazole DMSO Run3	NM_0007 02	ATP1A2	ATPase, Na ⁺ /K ⁺ transportin g, alpha 2 (+) polypeptid e	0.61135	Inlier
siRNA Disorazole DMSO Run2	NM_0007 02	ATP1A2	ATPase, Na ⁺ /K ⁺ transportin g, alpha 2 (+) polypeptid e	1.02637	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1522 96	ATP1A3	ATPase, Na ⁺ /K ⁺ transportin g, alpha 3 polypeptid e	-1.56975	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1522 96	ATP1A3	ATPase, Na ⁺ /K ⁺ transportin g, alpha 3 polypeptid e	-0.706594	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1522 96	ATP1A3	ATPase, Na ⁺ /K ⁺ transportin g, alpha 3 polypeptid e	-0.642406	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1522 96	ATP1A3	ATPase, Na ⁺ /K ⁺ transportin g, alpha 3 polypeptid e	-0.140771	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1522 96	ATP1A3	ATPase, Na ⁺ /K ⁺ transportin g, alpha 3 polypeptid e	0.14077	Inlier
siRNA Disorazole DMSO Run3	NM_1522 96	ATP1A3	ATPase, Na ⁺ /K ⁺ transportin g, alpha 3 polypeptid e	0.292409	Inlier
siRNA Disorazole DMSO Run2	NM_1522 96	ATP1A3	ATPase, Na ⁺ /K ⁺ transportin g, alpha 3 polypeptid e	0.966938	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1522 96	ATP1A3	ATPase, Na ⁺ /K ⁺ transportin g, alpha 3 polypeptid e	1.060093	Inlier
siRNA Disorazole DMSO Run2	NM_1446 99	ATP1A4	ATPase, Na ⁺ /K ⁺ transportin g, alpha 4 polypeptid e	-2.584926	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1446 99	ATP1A4	ATPase, Na ⁺ /K ⁺ transportin g, alpha 4 polypeptid e	-1.719758	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1446 99	ATP1A4	ATPase, Na ⁺ /K ⁺ transportin g, alpha 4 polypeptid e	-0.631178	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1446 99	ATP1A4	ATPase, Na+/K+ transportin g, alpha 4 polypeptid e	-0.288793	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1446 99	ATP1A4	ATPase, Na+/K+ transportin g, alpha 4 polypeptid e	0.28879	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1446 99	ATP1A4	ATPase, Na+/K+ transportin g, alpha 4 polypeptid e	0.430548	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1446 99	ATP1A4	ATPase, Na+/K+ transportin g, alpha 4 polypeptid e	0.717822	Inlier
siRNA Disorazole DMSO Run3	NM_1446 99	ATP1A4	ATPase, Na+/K+ transportin g, alpha 4 polypeptid e	0.805756	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0016 77	ATP1B1	ATPase, Na+/K+ transportin g, beta 1 polypeptid e	-1.183715	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0016 77	ATP1B1	ATPase, Na+/K+ transportin g, beta 1 polypeptid e	-0.871489	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log Fold Change	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001677	ATP1B1	ATPase, Na+/K+ transporting, beta 1 polypeptide	-0.646798	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001677	ATP1B1	ATPase, Na+/K+ transporting, beta 1 polypeptide	-0.063662	Inlier
siRNA Disorazole DMSO Run3	NM_001677	ATP1B1	ATPase, Na+/K+ transporting, beta 1 polypeptide	0.063662	Inlier
siRNA Disorazole DMSO Run1	NM_001677	ATP1B1	ATPase, Na+/K+ transporting, beta 1 polypeptide	0.242325	Inlier
siRNA Disorazole DMSO Run2	NM_001677	ATP1B1	ATPase, Na+/K+ transporting, beta 1 polypeptide	0.702202	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001677	ATP1B1	ATPase, Na+/K+ transporting, beta 1 polypeptide	0.80776	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001678	ATP1B2	ATPase, Na+/K+ transporting, beta 2 polypeptide	-1.233051	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001678	ATP1B2	ATPase, Na+/K+ transporting, beta 2 polypeptide	-0.544442	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Log Fold Change	Category
siRNA-Temozolomide Run1-DMSO	NM_001678	ATP1B2	-0.129861	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001678	ATP1B2	-0.014346	Inlier
siRNA Disorazole DMSO Run3	NM_001678	ATP1B2	0.014346	Inlier
siRNA Disorazole DMSO Run1	NM_001678	ATP1B2	0.804558	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001678	ATP1B2	2.688886	Inlier
siRNA Disorazole DMSO Run2	NM_001678	ATP1B2	3.55299	Outlier
siRNA-Temozolomide Run2-DMSO	NM_001679	ATP1B3	-1.010551	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001679	ATP1B3	-0.912306	Inlier

ATPase, Na⁺/K⁺ transporting, beta 2 polypeptide
 ATPase, Na⁺/K⁺ transporting, beta 2 polypeptide
 ATPase, Na⁺/K⁺ transporting, beta 2 polypeptide
 ATPase, Na⁺/K⁺ transporting, beta 2 polypeptide
 ATPase, Na⁺/K⁺ transporting, beta 2 polypeptide
 ATPase, Na⁺/K⁺ transporting, beta 2 polypeptide
 ATPase, Na⁺/K⁺ transporting, beta 3 polypeptide
 ATPase, Na⁺/K⁺ transporting, beta 3 polypeptide

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log Fold Change	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_001679	ATP1B3	ATPase, Na ⁺ /K ⁺ transporting, beta 3 polypeptide	-0.873477	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001679	ATP1B3	ATPase, Na ⁺ /K ⁺ transporting, beta 3 polypeptide	-0.026789	Inlier
siRNA Disorazole DMSO Run3	NM_001679	ATP1B3	ATPase, Na ⁺ /K ⁺ transporting, beta 3 polypeptide	0.02679	Inlier
siRNA Disorazole DMSO Run1	NM_001679	ATP1B3	ATPase, Na ⁺ /K ⁺ transporting, beta 3 polypeptide	0.244949	Inlier
siRNA Disorazole DMSO Run2	NM_001679	ATP1B3	ATPase, Na ⁺ /K ⁺ transporting, beta 3 polypeptide	0.529356	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001679	ATP1B3	ATPase, (Na ⁺)/K ⁺ transporting, beta 3 polypeptide	0.819644	Inlier
siRNA-Temozolomide Run2-DMSO	NM_012069	ATP1B4	ATPase, (Na ⁺)/K ⁺ transporting, beta 4 polypeptide	-1.081259	Inlier
siRNA-Temozolomide Run3-DMSO	NM_012069	ATP1B4	ATPase, (Na ⁺)/K ⁺ transporting, beta 4 polypeptide	-0.821456	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0120 69	ATP1B4	ATPase, (Na+)/K+ transportin g, beta 4 polypeptid e	-0.330217	Inlier
siRNA Disorazole DMSO Run3	NM_0120 69	ATP1B4	ATPase, (Na+)/K+ transportin g, beta 4 polypeptid e	-0.077388	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0120 69	ATP1B4	ATPase, (Na+)/K+ transportin g, beta 4 polypeptid e	0.077388	Inlier
siRNA Disorazole DMSO Run1	NM_0120 69	ATP1B4	ATPase, (Na+)/K+ transportin g, beta 4 polypeptid e	0.527544	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0120 69	ATP1B4	ATPase, (Na+)/K+ transportin g, beta 4 polypeptid e	1.355619	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0120 69	ATP1B4	ATPase, (Na+)/K+ transportin g, beta 4 polypeptid e	2.633275	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0043 20	ATP2A1	ATPase, Ca++ transportin g, cardiac muscle, fast twitch 1	-0.865311	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0043 20	ATP2A1	ATPase, Ca++ transportin g, cardiac muscle, fast twitch 1	-0.69294	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0043 20	ATP2A1	ATPase, Ca ⁺⁺ transportin g, cardiac muscle, fast twitch 1	-0.65606	Inlier
siRNA Disorazole DMSO Run1	NM_0043 20	ATP2A1	ATPase, Ca ⁺⁺ transportin g, cardiac muscle, fast twitch 1	-0.011532	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0043 20	ATP2A1	ATPase, Ca ⁺⁺ transportin g, cardiac muscle, fast twitch 1	0.011532	Inlier
siRNA Disorazole DMSO Run2	NM_0043 20	ATP2A1	ATPase, Ca ⁺⁺ transportin g, cardiac muscle, fast twitch 1	0.621444	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0043 20	ATP2A1	ATPase, Ca ⁺⁺ transportin g, cardiac muscle, fast twitch 1	1.431207	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0043 20	ATP2A1	ATPase, Ca ⁺⁺ transportin g, cardiac muscle, fast twitch 1	3.229725	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_001681	ATP2A2	ATPase, Ca ⁺⁺ transporting, cardiac muscle, slow twitch 2	-1.539554	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001681	ATP2A2	ATPase, Ca ⁺⁺ transporting, cardiac muscle, slow twitch 2	-0.419011	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001681	ATP2A2	ATPase, Ca ⁺⁺ transporting, cardiac muscle, slow twitch 2	-0.194049	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001681	ATP2A2	ATPase, Ca ⁺⁺ transporting, cardiac muscle, slow twitch 2	-0.148509	Inlier
siRNA Disorazole DMSO Run3	NM_001681	ATP2A2	ATPase, Ca ⁺⁺ transporting, cardiac muscle, slow twitch 2	0.148509	Inlier
siRNA Disorazole DMSO Run1	NM_001681	ATP2A2	ATPase, Ca ⁺⁺ transporting, cardiac muscle, slow twitch 2	0.929989	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0016 81	ATP2A2	ATPase, Ca ⁺⁺ transportin g, cardiac muscle, slow twitch	2	4.076546	Outlier
siRNA-Vinblastine Run1- DMSO	NM_0016 81	ATP2A2	ATPase, Ca ⁺⁺ transportin g, cardiac muscle, slow twitch	2	4.893663	Outlier
siRNA-Vinblastine Run2- DMSO	NM_0051 73	ATP2A3	ATPase, Ca ⁺⁺ transportin g, ubiquitous		-2.079211	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0051 73	ATP2A3	ATPase, Ca ⁺⁺ transportin g, ubiquitous		-0.681534	Inlier
siRNA Disorazole DMSO Run1	NM_0051 73	ATP2A3	ATPase, Ca ⁺⁺ transportin g, ubiquitous		-0.667466	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0051 73	ATP2A3	ATPase, Ca ⁺⁺ transportin g, ubiquitous		-0.350991	Inlier
siRNA Disorazole DMSO Run3	NM_0051 73	ATP2A3	ATPase, Ca ⁺⁺ transportin g, ubiquitous		0.350991	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0051 73	ATP2A3	ATPase, Ca ⁺⁺ transportin g, ubiquitous		0.460718	Inlier
siRNA Disorazole DMSO Run2	NM_0051 73	ATP2A3	ATPase, Ca ⁺⁺ transportin g, ubiquitous		1.066931	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_005173	ATP2A3	ATPase, Ca ⁺⁺ transporting, ubiquitous	1.81877	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001682	ATP2B1	ATPase, Ca ⁺⁺ transporting, plasma membrane	-1.125753	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001682	ATP2B1	ATPase, Ca ⁺⁺ transporting, plasma membrane	-0.959552	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001682	ATP2B1	ATPase, Ca ⁺⁺ transporting, plasma membrane	-0.35334	Inlier
siRNA Disorazole DMSO Run1	NM_001682	ATP2B1	ATPase, Ca ⁺⁺ transporting, plasma membrane	-0.005704	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001682	ATP2B1	ATPase, Ca ⁺⁺ transporting, plasma membrane	0.005704	Inlier
siRNA Disorazole DMSO Run3	NM_001682	ATP2B1	ATPase, Ca ⁺⁺ transporting, plasma membrane	0.389448	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0016 82	ATP2B1	ATPase, Ca ⁺⁺ transportin g, plasma membrane 1	1.406659	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0016 82	ATP2B1	ATPase, Ca ⁺⁺ transportin g, plasma membrane 1	1.4751	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0016 83	ATP2B2	ATPase, Ca ⁺⁺ transportin g, plasma membrane 2	-1.075028	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0016 83	ATP2B2	ATPase, Ca ⁺⁺ transportin g, plasma membrane 2	-0.613836	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0016 83	ATP2B2	ATPase, Ca ⁺⁺ transportin g, plasma membrane 2	-0.506477	Inlier
siRNA Disorazole DMSO Run1	NM_0016 83	ATP2B2	ATPase, Ca ⁺⁺ transportin g, plasma membrane 2	-0.118613	Inlier
siRNA Disorazole DMSO Run3	NM_0016 83	ATP2B2	ATPase, Ca ⁺⁺ transportin g, plasma membrane 2	0.118614	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_001683	ATP2B2	2	ATPase, Ca ⁺⁺ transporting, plasma membrane	0.735164 Inlier
siRNA-Vinblastine Run1-DMSO	NM_001683	ATP2B2	2	ATPase, Ca ⁺⁺ transporting, plasma membrane	1.513784 Inlier
siRNA Disorazole DMSO Run2	NM_001683	ATP2B2	2	ATPase, Ca ⁺⁺ transporting, plasma membrane	2.221501 Inlier
siRNA-Temozolomide Run2-DMSO	NM_021949	ATP2B3	3	ATPase, Ca ⁺⁺ transporting, plasma membrane	-1.438382 Inlier
siRNA-Temozolomide Run3-DMSO	NM_021949	ATP2B3	3	ATPase, Ca ⁺⁺ transporting, plasma membrane	-0.948637 Inlier
siRNA-Temozolomide Run1-DMSO	NM_021949	ATP2B3	3	ATPase, Ca ⁺⁺ transporting, plasma membrane	-0.759536 Inlier
siRNA-Vinblastine Run2-DMSO	NM_021949	ATP2B3	3	ATPase, Ca ⁺⁺ transporting, plasma membrane	-0.005374 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0219 49	ATP2B3	ATPase, Ca ⁺⁺ transportin g, plasma membrane 3	0.005374	Inlier
siRNA Disorazole DMSO Run3	NM_0219 49	ATP2B3	ATPase, Ca ⁺⁺ transportin g, plasma membrane 3	0.277522	Inlier
siRNA Disorazole DMSO Run2	NM_0219 49	ATP2B3	ATPase, Ca ⁺⁺ transportin g, plasma membrane 3	0.589464	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0219 49	ATP2B3	ATPase, Ca ⁺⁺ transportin g, plasma membrane 3	0.867021	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0010 01396	ATP2B4	ATPase, Ca ⁺⁺ transportin g, plasma membrane 4	-1.12808	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0010 01396	ATP2B4	ATPase, Ca ⁺⁺ transportin g, plasma membrane 4	-0.589101	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0010 01396	ATP2B4	ATPase, Ca ⁺⁺ transportin g, plasma membrane 4	-0.571336	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0010 01396	ATP2B4	ATPase, Ca ⁺⁺ transportin g, plasma membrane 4	-0.156733	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0010 01396	ATP2B4	ATPase, Ca ⁺⁺ transportin g, plasma membrane 4	0.156734	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0010 01396	ATP2B4	ATPase, Ca ⁺⁺ transportin g, plasma membrane 4	0.759899	Inlier
siRNA Disorazole DMSO Run3	NM_0010 01396	ATP2B4	ATPase, Ca ⁺⁺ transportin g, plasma membrane 4	1.091034	Inlier
siRNA Disorazole DMSO Run2	NM_0010 01396	ATP2B4	ATPase, Ca ⁺⁺ transportin g, plasma membrane 4	1.517399	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0010 01485	ATP2C1	ATPase, Ca ⁺⁺ transportin g, type 2C, member 1	-1.14568	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0010 01485	ATP2C1	ATPase, Ca ⁺⁺ transportin g, type 2C, member 1	-0.938602	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_001001485	ATP2C1	ATPase, Ca ⁺⁺ transporting, type 2C, member 1	-0.662055	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001001485	ATP2C1	ATPase, Ca ⁺⁺ transporting, type 2C, member 1	-0.165711	Inlier
siRNA Disorazole DMSO Run2	NM_001001485	ATP2C1	ATPase, Ca ⁺⁺ transporting, type 2C, member 1	0.16571	Inlier
siRNA Disorazole DMSO Run1	NM_001001485	ATP2C1	ATPase, Ca ⁺⁺ transporting, type 2C, member 1	0.426656	Inlier
siRNA Disorazole DMSO Run3	NM_001001485	ATP2C1	ATPase, Ca ⁺⁺ transporting, type 2C, member 1	0.686945	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001001485	ATP2C1	ATPase, Ca ⁺⁺ transporting, type 2C, member 1	1.042812	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000704	ATP4A	ATPase, H ⁺ /K ⁺ exchanging, alpha polypeptide	-2.444161	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000704	ATP4A	ATPase, H ⁺ /K ⁺ exchanging, alpha polypeptide	-0.773725	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log2 Fold Change	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_000704	ATP4A	ATPase, H+/K+ exchanging, alpha polypeptide	-0.637231	Inlier
siRNA Disorazole DMSO Run2	NM_000704	ATP4A	ATPase, H+/K+ exchanging, alpha polypeptide	-0.101264	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000704	ATP4A	ATPase, H+/K+ exchanging, alpha polypeptide	0.101265	Inlier
siRNA Disorazole DMSO Run1	NM_000704	ATP4A	ATPase, H+/K+ exchanging, alpha polypeptide	0.400961	Inlier
siRNA Disorazole DMSO Run3	NM_000704	ATP4A	ATPase, H+/K+ exchanging, alpha polypeptide	0.711769	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000704	ATP4A	ATPase, H+/K+ exchanging, alpha polypeptide	1.084926	Inlier
siRNA Disorazole DMSO Run2	NM_000705	ATP4B	ATPase, H+/K+ exchanging, beta polypeptide	-1.662632	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000705	ATP4B	ATPase, H+/K+ exchanging, beta polypeptide	-1.071883	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_000705	ATP4B	ATPase, H+/K+ exchanging, beta polypeptide	-0.59553	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000705	ATP4B	ATPase, H+/K+ exchanging, beta polypeptide	-0.00113	Inlier
siRNA Disorazole DMSO Run3	NM_000705	ATP4B	ATPase, H+/K+ exchanging, beta polypeptide	0.001129	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000705	ATP4B	ATPase, H+/K+ exchanging, beta polypeptide	0.076588	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000705	ATP4B	ATPase, H+/K+ exchanging, beta polypeptide	0.75347	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000705	ATP4B	ATPase, H+/K+ exchanging, beta polypeptide	0.853786	Inlier
siRNA-Temozolomide Run3-DMSO	NM_00101935	ATP5A1	ATP synthase, H+ transportin g, mitochondrial F1 complex, alpha subunit, isoform 1, cardiac muscle	-2.012637	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA	Gene	Gene ID	Gene Name	Log Fold Change	Inlier
siRNA-Temozolomide Run2-DMSO	NM_00101935	ATP5A1	ATP synthase, H+ transportin 9, mitochondrial F1 complex, alpha subunit, isoform 1, cardiac muscle	-0.665685	Inlier
siRNA Disorazole DMSO Run1	NM_00101935	ATP5A1	ATP synthase, H+ transportin 9, mitochondrial F1 complex, alpha subunit, isoform 1, cardiac muscle	-0.659327	Inlier
siRNA Disorazole DMSO Run3	NM_00101935	ATP5A1	ATP synthase, H+ transportin 9, mitochondrial F1 complex, alpha subunit, isoform 1, cardiac muscle	-0.334322	Inlier
siRNA-Temozolomide Run1-DMSO	NM_00101935	ATP5A1	ATP synthase, H+ transportin 9, mitochondrial F1 complex, alpha subunit, isoform 1, cardiac muscle	0.334322	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_001001935	ATP5A1	ATP synthase, H+ transportin g, mitochondrial F1 complex, alpha subunit, isoform 1, cardiac muscle	0.683315	Inlier
siRNA Disorazole DMSO Run2	NM_001001935	ATP5A1	ATP synthase, H+ transportin g, mitochondrial F1 complex, alpha subunit, isoform 1, cardiac muscle	0.873835	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001001935	ATP5A1	ATP synthase, H+ transportin g, mitochondrial F1 complex, alpha subunit, isoform 1, cardiac muscle	0.924449	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001686	ATP5B	ATP synthase, H+ transportin g, mitochondrial F1 complex, beta polypeptide	-2.09933	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Log Fold Change	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001686	ATP5B	-0.739706	Inlier
siRNA Disorazole DMSO Run1	NM_001686	ATP5B	-0.661238	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001686	ATP5B	-0.17496	Inlier
siRNA Disorazole DMSO Run3	NM_001686	ATP5B	0.174961	Inlier

ATP synthase, H+ transportin g, mitochondrial F1 complex, beta polypeptide
 ATP synthase, H+ transportin g, mitochondrial F1 complex, beta polypeptide
 ATP synthase, H+ transportin g, mitochondrial F1 complex, beta polypeptide
 ATP synthase, H+ transportin g, mitochondrial F1 complex, beta polypeptide

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Log2 Fold Change	Outlier Status
siRNA-Vinblastine Run2-DMSO	NM_001686	ATP5B	0.213568	Inlier
siRNA Disorazole DMSO Run2	NM_001686	ATP5B	0.687762	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001686	ATP5B	0.866934	Inlier
siRNA Disorazole DMSO Run3	NM_00101973	ATP5C1	-2.027418	Inlier

ATP synthase, H+ transportin g, mitochondrial F1 complex, beta polypeptide
 ATP synthase, H+ transportin g, mitochondrial F1 complex, beta polypeptide
 ATP synthase, H+ transportin g, mitochondrial F1 complex, beta polypeptide
 ATP synthase, H+ transportin g, mitochondrial F1 complex, gamma polypeptide 1

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log Fold Change	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_001001973	ATP5C1	ATP synthase, H ⁺ transportin g, mitochondrial F1 complex, gamma polypeptide 1	-1.684426	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001001973	ATP5C1	ATP synthase, H ⁺ transportin g, mitochondrial F1 complex, gamma polypeptide 1	-0.272694	Inlier
siRNA Disorazole DMSO Run2	NM_001001973	ATP5C1	ATP synthase, H ⁺ transportin g, mitochondrial F1 complex, gamma polypeptide 1	-0.082894	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001001973	ATP5C1	ATP synthase, H ⁺ transportin g, mitochondrial F1 complex, gamma polypeptide 1	0.082895	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0010 01973	ATP5C1	ATP synthase, H ⁺ transportin g, mitochondrial F1 complex, gamma polypeptide 1	0.167918	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 01973	ATP5C1	ATP synthase, H ⁺ transportin g, mitochondrial F1 complex, gamma polypeptide 1	1.076306	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 01973	ATP5C1	ATP synthase, H ⁺ transportin g, mitochondrial F1 complex, gamma polypeptide 1	2.344085	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0016 87	ATP5D	ATP synthase, H ⁺ transportin g, mitochondrial F1 complex, delta subunit	-1.44457	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Log Fold Change	Annotation
siRNA Disorazole DMSO Run1	NM_001687	ATP5D	-0.609747	Inlier ATP synthase, H+ transportin g, mitochondrial F1 complex, delta subunit
siRNA-Vinblastine Run1-DMSO	NM_001687	ATP5D	-0.263966	Inlier ATP synthase, H+ transportin g, mitochondrial F1 complex, delta subunit
siRNA Disorazole DMSO Run2	NM_001687	ATP5D	-0.008811	Inlier ATP synthase, H+ transportin g, mitochondrial F1 complex, delta subunit
siRNA Disorazole DMSO Run3	NM_001687	ATP5D	0.008811	Inlier ATP synthase, H+ transportin g, mitochondrial F1 complex, delta subunit
siRNA-Temozolomide Run1-DMSO	NM_001687	ATP5D	0.739253	Inlier ATP synthase, H+ transportin g, mitochondrial F1 complex, delta subunit

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Score	Outlier Type
siRNA-Vinblastine Run2-DMSO	NM_001687	ATP5D	ATP synthase, H+ transportin g, mitochondrial F1 complex, delta subunit	0.745193	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001687	ATP5D	ATP synthase, H+ transportin g, mitochondrial F1 complex, delta subunit	0.880151	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006886	ATP5E	ATP synthase, H+ transportin g, mitochondrial F1 complex, epsilon subunit	-1.969061	Inlier
siRNA Disorazole DMSO Run1	NM_006886	ATP5E	ATP synthase, H+ transportin g, mitochondrial F1 complex, epsilon subunit	-0.632371	Inlier
siRNA Disorazole DMSO Run2	NM_006886	ATP5E	ATP synthase, H+ transportin g, mitochondrial F1 complex, epsilon subunit	-0.127334	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log Fold Change	Outlier Status
siRNA-Temozolomide Run1-DMSO	NM_006886	ATP5E	ATP synthase, H+ transportin g, mitochondrial F1 complex, epsilon subunit	-0.06395	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006886	ATP5E	ATP synthase, H+ transportin g, mitochondrial F1 complex, epsilon subunit	0.06395	Inlier
siRNA Disorazole DMSO Run3	NM_006886	ATP5E	ATP synthase, H+ transportin g, mitochondrial F1 complex, epsilon subunit	0.716628	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006886	ATP5E	ATP synthase, H+ transportin g, mitochondrial F1 complex, epsilon subunit	1.030417	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006886	ATP5E	ATP synthase, H+ transportin g, mitochondrial F1 complex, epsilon subunit	1.114539	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Gene ID	Gene Name	Value	Category
siRNA-Temozolomide Run2-DMSO	ATP5F1	NM_001688	ATP synthase, H ⁺ transportin g, mitochondrial F0 complex, subunit b, isoform 1	-0.980448	Inlier
siRNA Disorazole DMSO Run2	ATP5F1	NM_001688	ATP synthase, H ⁺ transportin g, mitochondrial F0 complex, subunit b, isoform 1	-0.805726	Inlier
siRNA-Temozolomide Run3-DMSO	ATP5F1	NM_001688	ATP synthase, H ⁺ transportin g, mitochondrial F0 complex, subunit b, isoform 1	-0.348145	Inlier
siRNA Disorazole DMSO Run3	ATP5F1	NM_001688	ATP synthase, H ⁺ transportin g, mitochondrial F0 complex, subunit b, isoform 1	-0.188996	Inlier
siRNA Disorazole DMSO Run1	ATP5F1	NM_001688	ATP synthase, H ⁺ transportin g, mitochondrial F0 complex, subunit b, isoform 1	0.188996	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log2 Fold Change	Classification
siRNA-Temozolomide Run1-DMSO	NM_001688	ATP5F1	ATP synthase, H+ transportin g, mitochondrial F0 complex, subunit b, isoform 1	0.564147	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001688	ATP5F1	ATP synthase, H+ transportin g, mitochondrial F0 complex, subunit b, isoform 1	0.784853	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001688	ATP5F1	ATP synthase, H+ transportin g, mitochondrial F0 complex, subunit b, isoform 1	1.244316	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005175	ATP5G1	ATP synthase, H+ transportin g, mitochondrial F0 complex, subunit c (subunit 9), isoform 1	-5.713123	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Run	Gene	Accession	Protein	Log2 Fold Change	Significance
siRNA-Temozolomide	Run2-DMSO	ATP5G1	NM_005175	ATP synthase, H ⁺ transportin g, mitochondrial F0 complex, subunit c (subunit 9), isoform 1	-4.50155	Outlier
siRNA Disorazole	DMSO Run1	ATP5G1	NM_005175	ATP synthase, H ⁺ transportin g, mitochondrial F0 complex, subunit c (subunit 9), isoform 1	-4.141615	Outlier
siRNA-Vinblastine	Run2-DMSO	ATP5G1	NM_005175	ATP synthase, H ⁺ transportin g, mitochondrial F0 complex, subunit c (subunit 9), isoform 1	-0.190908	Inlier
siRNA-Temozolomide	Run1-DMSO	ATP5G1	NM_005175	ATP synthase, H ⁺ transportin g, mitochondrial F0 complex, subunit c (subunit 9), isoform 1	0.190906	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Gene ID	Gene Name	Score	Category
siRNA Disorazole DMSO Run3	ATP5G1	NM_0051	75	ATP synthase, H ⁺ transportin g, mitochondrial F0 complex, subunit c (subunit 9), isoform 1	0.663554	Inlier
siRNA-Vinblastine Run1-DMSO	ATP5G1	NM_0051	75	ATP synthase, H ⁺ transportin g, mitochondrial F0 complex, subunit c (subunit 9), isoform 1	0.667808	Inlier
siRNA Disorazole DMSO Run2	ATP5G1	NM_0051	75	ATP synthase, H ⁺ transportin g, mitochondrial F0 complex, subunit c (subunit 9), isoform 1	0.681192	Inlier
siRNA-Temozolomide Run2-DMSO	ATP5G2	NM_0051	76	ATP synthase, H ⁺ transportin g, mitochondrial F0 complex, subunit c (subunit 9), isoform 2	-4.156596	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Condition	Run	Gene	Log2 Fold Change	Inlier
siRNA Disorazole	DMSO	Run1	ATP5G2	-2.334109	Inlier
siRNA-Temozolomide	DMSO	Run1	ATP5G2	-0.520639	Inlier
siRNA Disorazole	DMSO	Run3	ATP5G2	-0.081659	Inlier
siRNA-Temozolomide	DMSO	Run3	ATP5G2	0.08166	Inlier

ATP
synthase,
H+
transportin
g,
mitochond
rial F0
complex,
subunit c
(subunit
9), isoform
2

ATP
synthase,
H+
transportin
g,
mitochond
rial F0
complex,
subunit c
(subunit
9), isoform
2

ATP
synthase,
H+
transportin
g,
mitochond
rial F0
complex,
subunit c
(subunit
9), isoform
2

ATP
synthase,
H+
transportin
g,
mitochond
rial F0
complex,
subunit c
(subunit
9), isoform
2

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Score	Category
siRNA-Vinblastine Run2-DMSO	NM_005176	ATP5G2	ATP synthase, H ⁺ transportin g, mitochondrial F0 complex, subunit c (subunit 9), isoform 2	0.255415	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005176	ATP5G2	ATP synthase, H ⁺ transportin g, mitochondrial F0 complex, subunit c (subunit 9), isoform 2	0.828361	Inlier
siRNA Disorazole DMSO Run2	NM_005176	ATP5G2	ATP synthase, H ⁺ transportin g, mitochondrial F0 complex, subunit c (subunit 9), isoform 2	0.967173	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001689	ATP5G3	ATP synthase, H ⁺ transportin g, mitochondrial F0 complex, subunit c (subunit 9) isoform 3	-0.996951	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0016 89	ATP5G3	ATP synthase, H ⁺ transportin g, mitochondrial F0 complex, subunit c (subunit 9) isoform 3	-0.742961	Inlier
siRNA Disorazole DMSO Run3	NM_0016 89	ATP5G3	ATP synthase, H ⁺ transportin g, mitochondrial F0 complex, subunit c (subunit 9) isoform 3	-0.371176	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0016 89	ATP5G3	ATP synthase, H ⁺ transportin g, mitochondrial F0 complex, subunit c (subunit 9) isoform 3	-0.164738	Inlier
siRNA Disorazole DMSO Run1	NM_0016 89	ATP5G3	ATP synthase, H ⁺ transportin g, mitochondrial F0 complex, subunit c (subunit 9) isoform 3	0.164738	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_001689	ATP5G3	ATP synthase, H ⁺ transportin g, mitochondrial F0 complex, subunit c (subunit 9) isoform 3	0.606039	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001689	ATP5G3	ATP synthase, H ⁺ transportin g, mitochondrial F0 complex, subunit c (subunit 9) isoform 3	0.857851	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001689	ATP5G3	ATP synthase, H ⁺ transportin g, mitochondrial F0 complex, subunit c (subunit 9) isoform 3	1.091872	Inlier
siRNA-Temozolomide Run2-DMSO	NM_007100	ATP5I	ATP synthase, H ⁺ transportin g, mitochondrial F0 complex, subunit e	-8.235766	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Log Fold Change	Outlier Status
siRNA Disorazole DMSO Run1	NM_007100	ATP5I	-0.713846	Inlier
siRNA-Temozolomide Run3-DMSO	NM_007100	ATP5I	-0.635154	Inlier
siRNA Disorazole DMSO Run3	NM_007100	ATP5I	-0.017879	Inlier
siRNA Disorazole DMSO Run2	NM_007100	ATP5I	0.017877	Inlier
siRNA-Vinblastine Run2-DMSO	NM_007100	ATP5I	0.37597	Inlier

ATP synthase, H⁺ transportin g, mitochondrial F0 complex, subunit e

-0.713846 Inlier

-0.635154 Inlier

-0.017879 Inlier

0.017877 Inlier

0.37597 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_007100	ATP5I	ATP synthase, H ⁺ transportin g, mitochondrial F0 complex, subunit e	1.282331	Inlier
siRNA-Vinblastine Run1-DMSO	NM_007100	ATP5I	ATP synthase, H ⁺ transportin g, mitochondrial F0 complex, subunit e	2.025713	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001003697	ATP5J	ATP synthase, H ⁺ transportin g, mitochondrial F0 complex, subunit F6	-0.93012	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001003697	ATP5J	ATP synthase, H ⁺ transportin g, mitochondrial F0 complex, subunit F6	-0.776552	Inlier
siRNA Disorazole DMSO Run2	NM_001003697	ATP5J	ATP synthase, H ⁺ transportin g, mitochondrial F0 complex, subunit F6	-0.572448	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0010 03697	ATP5J	ATP synthase, H ⁺ transportin g, mitochondrial F0 complex, subunit F6	-0.293306	Inlier
siRNA Disorazole DMSO Run1	NM_0010 03697	ATP5J	ATP synthase, H ⁺ transportin g, mitochondrial F0 complex, subunit F6	0.293306	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 03697	ATP5J	ATP synthase, H ⁺ transportin g, mitochondrial F0 complex, subunit F6	0.567447	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 03697	ATP5J	ATP synthase, H ⁺ transportin g, mitochondrial F0 complex, subunit F6	1.075821	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 03697	ATP5J	ATP synthase, H ⁺ transportin g, mitochondrial F0 complex, subunit F6	1.084474	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Gene ID	Gene Name	Log Fold Change	Outlier
siRNA-Temozolomide Run3-DMSO	NM_004889	ATP5J2	ATP synthase, H ⁺ transportin g, mitochondrial F0 complex, subunit f, isoform 2	-0.748804	Inlier
siRNA Disorazole DMSO Run2	NM_004889	ATP5J2	ATP synthase, H ⁺ transportin g, mitochondrial F0 complex, subunit f, isoform 2	-0.70598	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004889	ATP5J2	ATP synthase, H ⁺ transportin g, mitochondrial F0 complex, subunit f, isoform 2	-0.64302	Inlier
siRNA Disorazole DMSO Run3	NM_004889	ATP5J2	ATP synthase, H ⁺ transportin g, mitochondrial F0 complex, subunit f, isoform 2	-0.477983	Inlier
siRNA Disorazole DMSO Run1	NM_004889	ATP5J2	ATP synthase, H ⁺ transportin g, mitochondrial F0 complex, subunit f, isoform 2	0.477983	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log2 Fold Change	Significance
siRNA-Vinblastine Run1-DMSO	NM_004889	ATP5J2	ATP synthase, H+ transportin g, mitochondrial F0 complex, subunit f, isoform 2	0.558944	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004889	ATP5J2	ATP synthase, H+ transportin g, mitochondrial F0 complex, subunit f, isoform 2	1.476139	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004889	ATP5J2	ATP synthase, H+ transportin g, mitochondrial F0 complex, subunit f, isoform 2	1.915712	Inlier
siRNA Disorazole DMSO Run1	NM_006476	ATP5L	ATP synthase, H+ transportin g, mitochondrial F0 complex, subunit g	-1.653995	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006476	ATP5L	ATP synthase, H+ transportin g, mitochondrial F0 complex, subunit g	-1.628984	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log2 Fold Change	Outlier Type
siRNA-Temozolomide Run1-DMSO	NM_006476	ATP5L	ATP synthase, H ⁺ transportin g, mitochondrial F0 complex, subunit g	-0.215485	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006476	ATP5L	ATP synthase, H ⁺ transportin g, mitochondrial F0 complex, subunit g	-0.109011	Inlier
siRNA Disorazole DMSO Run3	NM_006476	ATP5L	ATP synthase, H ⁺ transportin g, mitochondrial F0 complex, subunit g	0.109011	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006476	ATP5L	ATP synthase, H ⁺ transportin g, mitochondrial F0 complex, subunit g	0.375411	Inlier
siRNA Disorazole DMSO Run2	NM_006476	ATP5L	ATP synthase, H ⁺ transportin g, mitochondrial F0 complex, subunit g	0.973589	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log2 Fold Change	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006476	ATP5L	ATP synthase, H ⁺ transportin g, mitochondrial F0 complex, subunit g	1.624117	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001697	ATP5O	ATP synthase, H ⁺ transportin g, mitochondrial F1 complex, O subunit (oligomycin sensitivity conferring protein)	-1.008857	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001697	ATP5O	ATP synthase, H ⁺ transportin g, mitochondrial F1 complex, O subunit (oligomycin sensitivity conferring protein)	-0.715665	Inlier
siRNA Disorazole DMSO Run2	NM_001697	ATP5O	ATP synthase, H ⁺ transportin g, mitochondrial F1 complex, O subunit (oligomycin sensitivity conferring protein)	-0.633335	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA	Condition	Run	Gene	Log2FC	Inlier
siRNA Disorazole	DMSO	Run3	ATP5O	-0.279008	Inlier
siRNA Disorazole	DMSO	Run1	ATP5O	0.279008	Inlier
siRNA-Temozolomide	DMSO	Run1	ATP5O	0.500872	Inlier

ATP
synthase,
H+
transportin
g,
mitochond
rial F1
complex,
O subunit
(oligomyci
n
sensitivity
conferring
protein)

ATP
synthase,
H+
transportin
g,
mitochond
rial F1
complex,
O subunit
(oligomyci
n
sensitivity
conferring
protein)

ATP
synthase,
H+
transportin
g,
mitochond
rial F1
complex,
O subunit
(oligomyci
n
sensitivity
conferring
protein)

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_001697	ATP5O	ATP synthase, H ⁺ transportin g, mitochondrial F1 complex, O subunit (oligomycin sensitivity conferring protein)	0.761488	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001697	ATP5O	ATP synthase, H ⁺ transportin g, mitochondrial F1 complex, O subunit (oligomycin sensitivity conferring protein)	0.948515	Inlier
siRNA Disorazole DMSO Run1	NM_001183	ATP6AP1	ATPase, H ⁺ transportin g, lysosomal accessory protein 1	-3.445069	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001183	ATP6AP1	ATPase, H ⁺ transportin g, lysosomal accessory protein 1	-2.795593	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001183	ATP6AP1	ATPase, H ⁺ transportin g, lysosomal accessory protein 1	-2.738523	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_001183	ATP6AP1	ATPase, H ⁺ transportin g, lysosomal accessory protein 1	-0.018815	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001183	ATP6AP1	ATPase, H ⁺ transportin g, lysosomal accessory protein 1	0.018813	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001183	ATP6AP1	ATPase, H ⁺ transportin g, lysosomal accessory protein 1	0.220094	Inlier
siRNA Disorazole DMSO Run3	NM_001183	ATP6AP1	ATPase, H ⁺ transportin g, lysosomal accessory protein 1	0.399884	Inlier
siRNA Disorazole DMSO Run2	NM_001183	ATP6AP1	ATPase, H ⁺ transportin g, lysosomal accessory protein 1	0.949116	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005177	ATP6V0A1	ATPase, H ⁺ transportin g, lysosomal V0 subunit a isoform	-1.618381	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Accession	Transcript	Log2 Fold Change	Outlier Status
siRNA Disorazole DMSO Run3	NM_0051	ATP6V0A	ATPase, H+ transportin g, lysosomal V0 subunit a isoform	-0.674642	Inlier
siRNA Disorazole DMSO Run2	NM_0051	ATP6V0A	ATPase, H+ transportin g, lysosomal V0 subunit a isoform	-0.674358	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0051	ATP6V0A	ATPase, H+ transportin g, lysosomal V0 subunit a isoform	-0.554134	Inlier
siRNA Disorazole DMSO Run1	NM_0051	ATP6V0A	ATPase, H+ transportin g, lysosomal V0 subunit a isoform	0.554134	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0051	ATP6V0A	ATPase, H+ transportin g, lysosomal V0 subunit a isoform	0.590041	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0051	ATP6V0A	ATPase, H+ transportin g, lysosomal V0 subunit a isoform	1.389566	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Transcript	Log2FC	Category
siRNA-Vinblastine Run1-DMSO	NM_005177	ATP6V0A1	ATPase, H+ transportin g, lysosomal V0 subunit a isoform 1	1.720024	Inlier
siRNA-Temozolomide Run2-DMSO	NM_012463	ATP6V0A2	ATPase, H+ transportin g, lysosomal V0 subunit a isoform 2	-2.160577	Inlier
siRNA-Temozolomide Run3-DMSO	NM_012463	ATP6V0A2	ATPase, H+ transportin g, lysosomal V0 subunit a isoform 2	-0.849857	Inlier
siRNA Disorazole DMSO Run2	NM_012463	ATP6V0A2	ATPase, H+ transportin g, lysosomal V0 subunit a isoform 2	-0.543802	Inlier
siRNA Disorazole DMSO Run3	NM_012463	ATP6V0A2	ATPase, H+ transportin g, lysosomal V0 subunit a isoform 2	-0.022235	Inlier
siRNA-Vinblastine Run1-DMSO	NM_012463	ATP6V0A2	ATPase, H+ transportin g, lysosomal V0 subunit a isoform 2	0.022235	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Transcript	Value	Outlier
siRNA Disorazole DMSO Run1	ATP6V0A	NM_012463	ATPase, H+ transportin g, lysosomal V0 subunit a isoform 2	0.095083	Inlier
siRNA-Temozolomide Run1-DMSO	ATP6V0A	NM_012463	ATPase, H+ transportin g, lysosomal V0 subunit a isoform 2	0.805198	Inlier
siRNA-Vinblastine Run2-DMSO	ATP6V0A	NM_012463	ATPase, H+ transportin g, lysosomal V0 subunit a isoform 2	1.899921	Inlier
siRNA-Temozolomide Run3-DMSO	ATP6V0A	NM_130840	ATPase, H+ transportin g, lysosomal V0 subunit a isoform 4	-2.069244	Inlier
siRNA Disorazole DMSO Run1	ATP6V0A	NM_130840	ATPase, H+ transportin g, lysosomal V0 subunit a isoform 4	-0.68412	Inlier
siRNA Disorazole DMSO Run3	ATP6V0A	NM_130840	ATPase, H+ transportin g, lysosomal V0 subunit a isoform 4	-0.100038	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Accession	Gene Name	Protein Name	Log2 Fold Change	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_130840	ATP6V0A4	ATPase, H ⁺ transportin g, lysosomal V0 subunit a isoform	ATPase, H ⁺ transportin g, lysosomal V0 subunit a isoform	-0.029733	Inlier
siRNA Disorazole DMSO Run2	NM_130840	ATP6V0A4	ATPase, H ⁺ transportin g, lysosomal V0 subunit a isoform	ATPase, H ⁺ transportin g, lysosomal V0 subunit a isoform	0.029733	Inlier
siRNA-Temozolomide Run1-DMSO	NM_130840	ATP6V0A4	ATPase, H ⁺ transportin g, lysosomal V0 subunit a isoform	ATPase, H ⁺ transportin g, lysosomal V0 subunit a isoform	0.66488	Inlier
siRNA-Vinblastine Run1-DMSO	NM_130840	ATP6V0A4	ATPase, H ⁺ transportin g, lysosomal V0 subunit a isoform	ATPase, H ⁺ transportin g, lysosomal V0 subunit a isoform	0.778839	Inlier
siRNA-Vinblastine Run2-DMSO	NM_130840	ATP6V0A4	ATPase, H ⁺ transportin g, lysosomal V0 subunit a isoform	ATPase, H ⁺ transportin g, lysosomal V0 subunit a isoform	1.297049	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004047	ATP6V0B	ATPase, H ⁺ transportin g, lysosomal 21kDa, V0 subunit c	ATPase, H ⁺ transportin g, lysosomal 21kDa, V0 subunit c	-1.657175	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0040 47	ATP6V0B	ATPase, H+ transportin g, lysosomal 21kDa, V0 subunit c	-1.508139	Inlier
siRNA Disorazole DMSO Run2	NM_0040 47	ATP6V0B	ATPase, H+ transportin g, lysosomal 21kDa, V0 subunit c	-0.724074	Inlier
siRNA Disorazole DMSO Run3	NM_0040 47	ATP6V0B	ATPase, H+ transportin g, lysosomal 21kDa, V0 subunit c	-0.181465	Inlier
siRNA Disorazole DMSO Run1	NM_0040 47	ATP6V0B	ATPase, H+ transportin g, lysosomal 21kDa, V0 subunit c	0.181464	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0040 47	ATP6V0B	ATPase, H+ transportin g, lysosomal 21kDa, V0 subunit c	0.387514	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0040 47	ATP6V0B	ATPase, H+ transportin g, lysosomal 21kDa, V0 subunit c	0.624926	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_004047	ATP6V0B	ATPase, H+ transportin g, lysosomal 21kDa, V0 subunit c	1.703133	Inlier
siRNA Disorazole DMSO Run2	NM_001694	ATP6V0C	ATPase, H+ transportin g, lysosomal 16kDa, V0 subunit c	-0.927841	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001694	ATP6V0C	ATPase, H+ transportin g, lysosomal 16kDa, V0 subunit c	-0.655034	Inlier
siRNA Disorazole DMSO Run3	NM_001694	ATP6V0C	ATPase, H+ transportin g, lysosomal 16kDa, V0 subunit c	-0.155666	Inlier
siRNA Disorazole DMSO Run1	NM_001694	ATP6V0C	ATPase, H+ transportin g, lysosomal 16kDa, V0 subunit c	-0.074859	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001694	ATP6V0C	ATPase, H+ transportin g, lysosomal 16kDa, V0 subunit c	0.074859	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_001694	ATP6V0C	ATPase, H ⁺ transportin g, lysosomal 16kDa, V0 subunit c	0.693966	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001694	ATP6V0C	ATPase, H ⁺ transportin g, lysosomal 16kDa, V0 subunit c	1.229628	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001694	ATP6V0C	ATPase, H ⁺ transportin g, lysosomal 16kDa, V0 subunit c	1.439333	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004691	ATP6V0D1	ATPase, H ⁺ transportin g, lysosomal 38kDa, V0 subunit d isoform 1	-1.349835	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004691	ATP6V0D1	ATPase, H ⁺ transportin g, lysosomal 38kDa, V0 subunit d isoform 1	-1.131325	Inlier
siRNA Disorazole DMSO Run2	NM_004691	ATP6V0D1	ATPase, H ⁺ transportin g, lysosomal 38kDa, V0 subunit d isoform 1	-0.82268	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0046 91	ATP6V0D 1	ATPase, H+ transportin g, lysosomal 38kDa, V0 subunit d isoform 1	-0.257726	Inlier
siRNA Disorazole DMSO Run3	NM_0046 91	ATP6V0D 1	ATPase, H+ transportin g, lysosomal 38kDa, V0 subunit d isoform 1	0.257726	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0046 91	ATP6V0D 1	ATPase, H+ transportin g, lysosomal 38kDa, V0 subunit d isoform 1	0.43587	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0046 91	ATP6V0D 1	ATPase, H+ transportin g, lysosomal 38kDa, V0 subunit d isoform 1	0.52632	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0046 91	ATP6V0D 1	ATPase, H+ transportin g, lysosomal 38kDa, V0 subunit d isoform 1	1.119121	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0039 45	ATP6V0E	ATPase, H+ transportin g, lysosomal 9kDa, V0 subunit e	-1.734791	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Protein	Log2 Fold Change	Classification
siRNA Disorazole DMSO Run2	ATP6V0E	NM_003945	ATPase, H+ transportin 9, lysosomal 9kDa, V0 subunit e	-0.6861	Inlier
siRNA Disorazole DMSO Run3	ATP6V0E	NM_003945	ATPase, H+ transportin 9, lysosomal 9kDa, V0 subunit e	-0.490105	Inlier
siRNA-Temozolomide Run2-DMSO	ATP6V0E	NM_003945	ATPase, H+ transportin 9, lysosomal 9kDa, V0 subunit e	-0.278422	Inlier
siRNA-Temozolomide Run1-DMSO	ATP6V0E	NM_003945	ATPase, H+ transportin 9, lysosomal 9kDa, V0 subunit e	0.278422	Inlier
siRNA Disorazole DMSO Run1	ATP6V0E	NM_003945	ATPase, H+ transportin 9, lysosomal 9kDa, V0 subunit e	0.6629	Inlier
siRNA-Vinblastine Run1-DMSO	ATP6V0E	NM_003945	ATPase, H+ transportin 9, lysosomal 9kDa, V0 subunit e	2.293666	Inlier
siRNA-Vinblastine Run2-DMSO	ATP6V0E	NM_003945	ATPase, H+ transportin 9, lysosomal 9kDa, V0 subunit e	3.516273	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_001690	ATP6V1A	ATPase, H ⁺ transportin g, lysosomal 70kDa, V1 subunit A	-1.676228	Inlier
siRNA Disorazole DMSO Run2	NM_001690	ATP6V1A	ATPase, H ⁺ transportin g, lysosomal 70kDa, V1 subunit A	-1.324841	Inlier
siRNA Disorazole DMSO Run3	NM_001690	ATP6V1A	ATPase, H ⁺ transportin g, lysosomal 70kDa, V1 subunit A	-0.259663	Inlier
siRNA Disorazole DMSO Run1	NM_001690	ATP6V1A	ATPase, H ⁺ transportin g, lysosomal 70kDa, V1 subunit A	-0.243824	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001690	ATP6V1A	ATPase, H ⁺ transportin g, lysosomal 70kDa, V1 subunit A	0.243825	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001690	ATP6V1A	ATPase, H ⁺ transportin g, lysosomal 70kDa, V1 subunit A	0.372226	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_001690	ATP6V1A	ATPase, H ⁺ transportin g, lysosomal 70kDa, V1 subunit A	0.976774	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001690	ATP6V1A	ATPase, H ⁺ transportin g, lysosomal 70kDa, V1 subunit A	1.126557	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001692	ATP6V1B1	ATPase, H ⁺ transportin g, lysosomal 56/58kDa, V1 subunit B, isoform 1 (Renal tubular acidosis with deafness)	-1.021648	Inlier
siRNA Disorazole DMSO Run3	NM_001692	ATP6V1B1	ATPase, H ⁺ transportin g, lysosomal 56/58kDa, V1 subunit B, isoform 1 (Renal tubular acidosis with deafness)	-0.764775	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_001692	ATP6V1B1	ATPase, H ⁺ transportin 9, lysosomal 56/58kDa, V1 subunit B, isoform 1 (Renal tubular acidosis with deafness)	-0.584225	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001692	ATP6V1B1	ATPase, H ⁺ transportin 9, lysosomal 56/58kDa, V1 subunit B, isoform 1 (Renal tubular acidosis with deafness)	-0.010519	Inlier
siRNA Disorazole DMSO Run2	NM_001692	ATP6V1B1	ATPase, H ⁺ transportin 9, lysosomal 56/58kDa, V1 subunit B, isoform 1 (Renal tubular acidosis with deafness)	0.010519	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0016 92	ATP6V1B 1	ATPase, H+ transportin g, lysosomal 56/58kDa, V1 subunit B, isoform 1 (Renal tubular acidosis with deafness)	0.121995	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0016 92	ATP6V1B 1	ATPase, H+ transportin g, lysosomal 56/58kDa, V1 subunit B, isoform 1 (Renal tubular acidosis with deafness)	2.428536	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0016 92	ATP6V1B 1	ATPase, H+ transportin g, lysosomal 56/58kDa, V1 subunit B, isoform 1 (Renal tubular acidosis with deafness)	2.704473	Inlier
siRNA Disorazole DMSO Run1	NM_0016 93	ATP6V1B 2	ATPase, H+ transportin g, lysosomal 56/58kDa, V1 subunit B, isoform 2	-0.847578	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Score	Category
siRNA-Vinblastine Run1-DMSO	NM_001693	ATP6V1B2	ATPase, H ⁺ transportin 9, lysosomal 56/58kDa, V1 subunit B, isoform 2	-0.771437	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001693	ATP6V1B2	ATPase, H ⁺ transportin 9, lysosomal 56/58kDa, V1 subunit B, isoform 2	-0.61604	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001693	ATP6V1B2	ATPase, H ⁺ transportin 9, lysosomal 56/58kDa, V1 subunit B, isoform 2	-0.088957	Inlier
siRNA Disorazole DMSO Run2	NM_001693	ATP6V1B2	ATPase, H ⁺ transportin 9, lysosomal 56/58kDa, V1 subunit B, isoform 2	0.088957	Inlier
siRNA Disorazole DMSO Run3	NM_001693	ATP6V1B2	ATPase, H ⁺ transportin 9, lysosomal 56/58kDa, V1 subunit B, isoform 2	0.596573	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Accession	Gene Name	Protein Description	Score	Category
siRNA-Vinblastine Run2-DMSO	NM_001693	ATP6V1B2	ATPase, H ⁺ transportin 9, lysosomal 56/58kDa, V1 subunit B, isoform 2	ATPase, H ⁺ transportin 9, lysosomal 56/58kDa, V1 subunit B, isoform 2	0.73296	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001693	ATP6V1B2	ATPase, H ⁺ transportin 9, lysosomal 56/58kDa, V1 subunit B, isoform 2	ATPase, H ⁺ transportin 9, lysosomal 56/58kDa, V1 subunit B, isoform 2	0.826587	Inlier
siRNA-Temozolomide Run3-DMSO	NM_00107254	ATP6V1C1	ATPase, H ⁺ transportin 9, lysosomal 42kDa, V1 subunit C, isoform 1	ATPase, H ⁺ transportin 9, lysosomal 42kDa, V1 subunit C, isoform 1	-0.727939	Inlier
siRNA-Temozolomide Run2-DMSO	NM_00107254	ATP6V1C1	ATPase, H ⁺ transportin 9, lysosomal 42kDa, V1 subunit C, isoform 1	ATPase, H ⁺ transportin 9, lysosomal 42kDa, V1 subunit C, isoform 1	-0.621061	Inlier
siRNA Disorazole DMSO Run2	NM_00107254	ATP6V1C1	ATPase, H ⁺ transportin 9, lysosomal 42kDa, V1 subunit C, isoform 1	ATPase, H ⁺ transportin 9, lysosomal 42kDa, V1 subunit C, isoform 1	-0.422575	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0010 07254	ATP6V1C 1	ATPase, H+ transportin g, lysosomal 42kDa, V1 subunit C, isoform 1	-0.234275	Inlier
siRNA Disorazole DMSO Run1	NM_0010 07254	ATP6V1C 1	ATPase, H+ transportin g, lysosomal 42kDa, V1 subunit C, isoform 1	0.234275	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0010 07254	ATP6V1C 1	ATPase, H+ transportin g, lysosomal 42kDa, V1 subunit C, isoform 1	0.758311	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0010 07254	ATP6V1C 1	ATPase, H+ transportin g, lysosomal 42kDa, V1 subunit C, isoform 1	0.765483	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0010 07254	ATP6V1C 1	ATPase, H+ transportin g, lysosomal 42kDa, V1 subunit C, isoform 1	1.292875	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0016 96	ATP6V1E 1	ATPase, H+ transportin g, lysosomal 31kDa, V1 subunit E isoform 1	-1.170524	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0016 96	ATP6V1E 1	ATPase, H+ transportin g, lysosomal 31kDa, V1 subunit E isoform 1	-0.92458	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0016 96	ATP6V1E 1	ATPase, H+ transportin g, lysosomal 31kDa, V1 subunit E isoform 1	-0.727309	Inlier
siRNA Disorazole DMSO Run3	NM_0016 96	ATP6V1E 1	ATPase, H+ transportin g, lysosomal 31kDa, V1 subunit E isoform 1	-0.434868	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0016 96	ATP6V1E 1	ATPase, H+ transportin g, lysosomal 31kDa, V1 subunit E isoform 1	0.434869	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0016 96	ATP6V1E 1	ATPase, H+ transportin g, lysosomal 31kDa, V1 subunit E isoform 1	0.467158	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0016 96	ATP6V1E 1	ATPase, H+ transportin g, lysosomal 31kDa, V1 subunit E isoform 1	0.635509	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0016 96	ATP6V1E 1	ATPase, H+ transportin g, lysosomal 31kDa, V1 subunit E isoform 1	0.713491	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0048 88	ATP6V1G 1	ATPase, H+ transportin g, lysosomal 13kDa, V1 subunit G isoform 1	-0.784415	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0048 88	ATP6V1G 1	ATPase, H+ transportin g, lysosomal 13kDa, V1 subunit G isoform 1	-0.694092	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0048 88	ATP6V1G 1	ATPase, H+ transportin g, lysosomal 13kDa, V1 subunit G isoform 1	-0.501245	Inlier
siRNA Disorazole DMSO Run3	NM_0048 88	ATP6V1G 1	ATPase, H+ transportin g, lysosomal 13kDa, V1 subunit G isoform 1	-0.330081	Inlier
siRNA Disorazole DMSO Run1	NM_0048 88	ATP6V1G 1	ATPase, H+ transportin g, lysosomal 13kDa, V1 subunit G isoform 1	0.33008	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0048 88	ATP6V1G 1	ATPase, H+ transportin g, lysosomal 13kDa, V1 subunit G isoform 1	0.654908	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0048 88	ATP6V1G 1	ATPase, H+ transportin g, lysosomal 13kDa, V1 subunit G isoform 1	1.681157	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_004888	ATP6V1G1	ATPase, H ⁺ transportin g, lysosomal 13kDa, V1 subunit G isoform 1	2.066248	Inlier
siRNA-Temozolomide Run3-DMSO	NM_138282	ATP6V1G2	ATPase, H ⁺ transportin g, lysosomal 13kDa, V1 subunit G isoform 2	-0.781868	Inlier
siRNA Disorazole DMSO Run2	NM_138282	ATP6V1G2	ATPase, H ⁺ transportin g, lysosomal 13kDa, V1 subunit G isoform 2	-0.731461	Inlier
siRNA-Temozolomide Run2-DMSO	NM_138282	ATP6V1G2	ATPase, H ⁺ transportin g, lysosomal 13kDa, V1 subunit G isoform 2	-0.504979	Inlier
siRNA Disorazole DMSO Run3	NM_138282	ATP6V1G2	ATPase, H ⁺ transportin g, lysosomal 13kDa, V1 subunit G isoform 2	-0.172713	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1382 82	ATP6V1G 2	ATPase, H+ transportin g, lysosomal 13kDa, V1 subunit G isoform 2	0.172713	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1382 82	ATP6V1G 2	ATPase, H+ transportin g, lysosomal 13kDa, V1 subunit G isoform 2	0.617539	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1382 82	ATP6V1G 2	ATPase, H+ transportin g, lysosomal 13kDa, V1 subunit G isoform 2	0.733225	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1382 82	ATP6V1G 2	ATPase, H+ transportin g, lysosomal 13kDa, V1 subunit G isoform 2	0.927839	Inlier
siRNA-Temozolomide Run3- DMSO	NM_2136 20	ATP6V1H H	ATPase, H+ transportin g, lysosomal 50/57kDa, V1 subunit H	-0.993114	Inlier
siRNA-Temozolomide Run2- DMSO	NM_2136 20	ATP6V1H H	ATPase, H+ transportin g, lysosomal 50/57kDa, V1 subunit H	-0.825388	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Condition	Run	Gene	Protein	Score	Category
siRNA Disorazole	DMSO	Run2	NM_2136 20	ATP6V1H	-0.523611	Inlier
				H		
				ATPase, H+ transportin g, lysosomal 50/57kDa, V1 subunit		
siRNA Disorazole	DMSO	Run3	NM_2136 20	ATP6V1H	-0.342322	Inlier
				H		
				ATPase, H+ transportin g, lysosomal 50/57kDa, V1 subunit		
siRNA Disorazole	DMSO	Run1	NM_2136 20	ATP6V1H	0.342322	Inlier
				H		
				ATPase, H+ transportin g, lysosomal 50/57kDa, V1 subunit		
siRNA-Vinblastine	Run1- DMSO		NM_2136 20	ATP6V1H	0.512112	Inlier
				H		
				ATPase, H+ transportin g, lysosomal 50/57kDa, V1 subunit		
siRNA-Temozolomide	Run1- DMSO		NM_2136 20	ATP6V1H	0.985147	Inlier
				H		
				ATPase, H+ transportin g, lysosomal 50/57kDa, V1 subunit		
siRNA-Vinblastine	Run2- DMSO		NM_2136 20	ATP6V1H	1.556621	Inlier
				H		
				ATPase, H+ transportin g, lysosomal 50/57kDa, V1 subunit		

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_000052	ATP7A	ATPase, Cu ⁺⁺ transporting, alpha polypeptide (Menkes syndrome)	-0.805015	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000052	ATP7A	ATPase, Cu ⁺⁺ transporting, alpha polypeptide (Menkes syndrome)	-0.716446	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000052	ATP7A	ATPase, Cu ⁺⁺ transporting, alpha polypeptide (Menkes syndrome)	-0.632554	Inlier
siRNA Disorazole DMSO Run1	NM_000052	ATP7A	ATPase, Cu ⁺⁺ transporting, alpha polypeptide (Menkes syndrome)	-0.019147	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000052	ATP7A	ATPase, Cu ⁺⁺ transporting, alpha polypeptide (Menkes syndrome)	0.019148	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_000052	ATP7A	ATPase, Cu ⁺⁺ transporting, alpha polypeptide (Menkes syndrome)	0.543546	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000052	ATP7A	ATPase, Cu ⁺⁺ transporting, alpha polypeptide (Menkes syndrome)	3.782379	Outlier
siRNA Disorazole DMSO Run2	NM_000052	ATP7A	ATPase, Cu ⁺⁺ transporting, alpha polypeptide (Menkes syndrome)	3.820637	Outlier
siRNA-Temozolomide Run3-DMSO	NM_001005918	ATP7B	ATPase, Cu ⁺⁺ transporting, beta polypeptide (Wilson disease)	-2.983813	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001005918	ATP7B	ATPase, Cu ⁺⁺ transporting, beta polypeptide (Wilson disease)	-2.354694	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001005918	ATP7B	ATPase, Cu ⁺⁺ transporting, beta polypeptide (Wilson disease)	-0.563405	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_001005918	ATP7B	ATPase, Cu ⁺⁺ transporting, beta polypeptide (Wilson disease)	-0.276188	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001005918	ATP7B	ATPase, Cu ⁺⁺ transporting, beta polypeptide (Wilson disease)	0.276189	Inlier
siRNA Disorazole DMSO Run1	NM_001005918	ATP7B	ATPase, Cu ⁺⁺ transporting, beta polypeptide (Wilson disease)	0.279788	Inlier
siRNA Disorazole DMSO Run3	NM_001005918	ATP7B	ATPase, Cu ⁺⁺ transporting, beta polypeptide (Wilson disease)	0.785595	Inlier
siRNA Disorazole DMSO Run2	NM_001005918	ATP7B	ATPase, aminophospholipid transporter (APLT), Class I, type 8A, member 1	0.931998	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006095	ATP8A1	ATPase, aminophospholipid transporter (APLT), Class I, type 8A, member 1	-1.922025	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006095	ATP8A1	ATPase, aminophospholipid transporter (APLT), Class I, type 8A, member 1	-1.768207	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Gene	Value	Outlier
siRNA-Temozolomide Run1-DMSO	NM_006095	ATP8A1	ATPase, aminophospholipid transporter (APLT), Class I, type 8A, member 1	-0.366565	Inlier
siRNA Disorazole DMSO Run1	NM_006095	ATP8A1	ATPase, aminophospholipid transporter (APLT), Class I, type 8A, member 1	-0.234136	Inlier
siRNA Disorazole DMSO Run3	NM_006095	ATP8A1	ATPase, aminophospholipid transporter (APLT), Class I, type 8A, member 1	0.234136	Inlier
siRNA Disorazole DMSO Run2	NM_006095	ATP8A1	ATPase, aminophospholipid transporter (APLT), Class I, type 8A, member 1	0.31592	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006095	ATP8A1	ATPase, aminophospholipid transporter (APLT), Class I, type 8A, member 1	0.982435	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006095	ATP8A1	ATPase, aminophospholipid transporter (APLT), Class I, type 8A, member 1	1.364916	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0165 29	ATP8A2	ATPase, aminophospholipid transporter- like, Class I, type 8A, member 2	-0.907816	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0165 29	ATP8A2	ATPase, aminophospholipid transporter- like, Class I, type 8A, member 2	-0.578138	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0165 29	ATP8A2	ATPase, aminophospholipid transporter- like, Class I, type 8A, member 2	-0.418591	Inlier
siRNA Disorazole DMSO Run1	NM_0165 29	ATP8A2	ATPase, aminophospholipid transporter- like, Class I, type 8A, member 2	-0.127601	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0165 29	ATP8A2	ATPase, aminophospholipid transporter- like, Class I, type 8A, member 2	0.1276	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0165 29	ATP8A2	ATPase, aminophospholipid transporter- like, Class I, type 8A, member 2	0.770862	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0165 29	ATP8A2	ATPase, aminophospholipid transporter-like, Class I, type 8A, member 2	1.07141	Inlier
siRNA Disorazole DMSO Run3	NM_0165 29	ATP8A2	ATPase, aminophospholipid transporter-like, Class I, type 8A, member 2	1.243108	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0056 03	ATP8B1	ATPase, Class I, type 8B, member 1	-1.249628	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0056 03	ATP8B1	ATPase, Class I, type 8B, member 1	-1.102462	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0056 03	ATP8B1	ATPase, Class I, type 8B, member 1	-0.947082	Inlier
siRNA Disorazole DMSO Run1	NM_0056 03	ATP8B1	ATPase, Class I, type 8B, member 1	-0.095274	Inlier
siRNA Disorazole DMSO Run2	NM_0056 03	ATP8B1	ATPase, Class I, type 8B, member 1	0.095274	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0056 03	ATP8B1	ATPase, Class I, type 8B, member 1	0.37883	Inlier
siRNA Disorazole DMSO Run3	NM_0056 03	ATP8B1	ATPase, Class I, type 8B, member 1	0.401918	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0056 03	ATP8B1	ATPase, Class I, type 8B, member 1	1.315593	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0204 52	ATP8B2	ATPase, Class I, type 8B, member 2	-1.349739	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0204 52	ATP8B2	ATPase, Class I, type 8B, member 2	-0.706931	Inlier
siRNA Disorazole DMSO Run2	NM_0204 52	ATP8B2	ATPase, Class I, type 8B, member 2	-0.525074	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0204 52	ATP8B2	ATPase, Class I, type 8B, member 2	-0.39548	Inlier
siRNA Disorazole DMSO Run3	NM_0204 52	ATP8B2	ATPase, Class I, type 8B, member 2	0.39548	Inlier
siRNA Disorazole DMSO Run1	NM_0204 52	ATP8B2	ATPase, Class I, type 8B, member 2	0.642069	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0204 52	ATP8B2	ATPase, Class I, type 8B, member 2	1.238008	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0204 52	ATP8B2	ATPase, Class I, type 8B, member 2	1.680675	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1388 13	ATP8B3	ATPase, Class I, type 8B, member 3	-2.061914	Inlier
siRNA Disorazole DMSO Run2	NM_1388 13	ATP8B3	ATPase, Class I, type 8B, member 3	-0.842554	Inlier
siRNA Disorazole DMSO Run3	NM_1388 13	ATP8B3	ATPase, Class I, type 8B, member 3	-0.766471	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1388 13	ATP8B3	ATPase, Class I, type 8B, member 3	-0.416507	Inlier
siRNA Disorazole DMSO Run1	NM_1388 13	ATP8B3	ATPase, Class I, type 8B, member 3	0.416507	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1388 13	ATP8B3	ATPase, Class I, type 8B, member 3	0.506854	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_1388 13	ATP8B3	ATPase, Class I, type 8B, member 3	0.582529	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1388 13	ATP8B3	ATPase, Class I, type 8B, member 3	1.09557	Inlier
siRNA-Temozolomide Run3-DMSO	XM_03057 7	ATP9A	ATPase, Class II, type 9A	-1.274784	Inlier
siRNA-Temozolomide Run1-DMSO	XM_03057 7	ATP9A	ATPase, Class II, type 9A	-1.220113	Inlier
siRNA Disorazole DMSO Run1	XM_03057 7	ATP9A	ATPase, Class II, type 9A	-0.625707	Inlier
siRNA-Temozolomide Run2-DMSO	XM_03057 7	ATP9A	ATPase, Class II, type 9A	-0.26147	Inlier
siRNA Disorazole DMSO Run3	XM_03057 7	ATP9A	ATPase, Class II, type 9A	0.26147	Inlier
siRNA-Vinblastine Run1-DMSO	XM_03057 7	ATP9A	ATPase, Class II, type 9A	0.587973	Inlier
siRNA Disorazole DMSO Run2	XM_03057 7	ATP9A	ATPase, Class II, type 9A	0.723293	Inlier
siRNA-Vinblastine Run2-DMSO	XM_03057 7	ATP9A	ATPase, Class II, type 9A	0.754556	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1985 31	ATP9B	ATPase, Class II, type 9B	-1.040145	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1985 31	ATP9B	ATPase, Class II, type 9B	-0.80433	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1985 31	ATP9B	ATPase, Class II, type 9B	-0.54467	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1985 31	ATP9B	ATPase, Class II, type 9B	-0.176322	Inlier
siRNA Disorazole DMSO Run3	NM_1985 31	ATP9B	ATPase, Class II, type 9B	0.176322	Inlier
siRNA Disorazole DMSO Run1	NM_1985 31	ATP9B	ATPase, Class II, type 9B	0.354778	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Cell Line	Gene Name	Log Fold Change	Category
siRNA-Temozolomide Run2-DMSO	NM_001698	AUH	AU RNA binding protein/enoyl-Coenzyme A hydratase	-0.722774	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001698	AUH	AU RNA binding protein/enoyl-Coenzyme A hydratase	-0.626226	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001698	AUH	AU RNA binding protein/enoyl-Coenzyme A hydratase	-0.524618	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001698	AUH	AU RNA binding protein/enoyl-Coenzyme A hydratase	-0.24857	Inlier
siRNA Disorazole DMSO Run1	NM_001698	AUH	AU RNA binding protein/enoyl-Coenzyme A hydratase	0.24857	Inlier
siRNA Disorazole DMSO Run3	NM_001698	AUH	AU RNA binding protein/enoyl-Coenzyme A hydratase	1.932519	Inlier
siRNA Disorazole DMSO Run2	NM_001698	AUH	AU RNA binding protein/enoyl-Coenzyme A hydratase	1.996123	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			AU RNA binding protein/en- oyl- Coenzyme	
siRNA-Vinblastine Run1- DMSO	NM_0016 98	AUH	hydratase	2.973162 Inlier
	NM_0042		aurora	
siRNA Disorazole DMSO Run2	17	AURKB	kinase B	-1.47286 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0042 17	AURKB	kinase B	-1.248214 Inlier
	NM_0042		aurora	
siRNA Disorazole DMSO Run3	17	AURKB	kinase B	-0.544529 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0042 17	AURKB	kinase B	-0.143848 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0042 17	AURKB	kinase B	0.143848 Inlier
	NM_0042		aurora	
siRNA Disorazole DMSO Run1	17	AURKB	kinase B	0.521537 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0042 17	AURKB	kinase B	0.804471 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0042 17	AURKB	kinase B	0.877364 Inlier
	NM_0031		aurora	
siRNA Disorazole DMSO Run2	60	AURKC	kinase C	-1.078161 Inlier
	NM_0031		aurora	
siRNA Disorazole DMSO Run3	60	AURKC	kinase C	-1.006627 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0031 60	AURKC	kinase C	-0.779182 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0031 60	AURKC	kinase C	-0.027659 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0031 60	AURKC	kinase C	0.027659 Inlier
	NM_0031		aurora	
siRNA Disorazole DMSO Run1	60	AURKC	kinase C	0.31132 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0031 60	AURKC	kinase C	0.569818 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0031 60	AURKC	kinase C	0.839251 Inlier
			apoptosis, caspase	
siRNA-Temozolomide Run3- DMSO	NM_0203 71	AVEN	activation inhibitor	-2.215157 Inlier
	NM_0203		apoptosis, caspase	
siRNA Disorazole DMSO Run2	71	AVEN	activation inhibitor	-0.268223 Inlier
			apoptosis, caspase	
siRNA-Temozolomide Run2- DMSO	NM_0203 71	AVEN	activation inhibitor	-0.148439 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0203 71	AVEN	apoptosis, caspase activation inhibitor	-0.005056	Inlier
siRNA Disorazole DMSO Run3	NM_0203 71	AVEN	apoptosis, caspase activation inhibitor	0.005056	Inlier
siRNA Disorazole DMSO Run1	NM_0203 71	AVEN	apoptosis, caspase activation inhibitor	1.080777	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0203 71	AVEN	apoptosis, caspase activation inhibitor	5.269918	Outlier
siRNA-Vinblastine Run2-DMSO	NM_0203 71	AVEN	apoptosis, caspase activation inhibitor	5.821116	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0007 06	AVPR1A	arginine vasopressi n receptor 1A	-2.21281	Inlier
siRNA Disorazole DMSO Run2	NM_0007 06	AVPR1A	arginine vasopressi n receptor 1A	-1.500936	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0007 06	AVPR1A	arginine vasopressi n receptor 1A	-1.29002	Inlier
siRNA Disorazole DMSO Run1	NM_0007 06	AVPR1A	arginine vasopressi n receptor 1A	-0.181995	Inlier
siRNA Disorazole DMSO Run3	NM_0007 06	AVPR1A	arginine vasopressi n receptor 1A	0.181995	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0007 06	AVPR1A	arginine vasopressi n receptor 1A	0.187281	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_000706	AVPR1A	arginine vasopressin receptor 1A	0.380722	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000706	AVPR1A	arginine vasopressin receptor 1A	0.968278	Inlier
siRNA Disorazole DMSO Run2	NM_000707	AVPR1B	arginine vasopressin receptor 1B	-0.682934	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000707	AVPR1B	arginine vasopressin receptor 1B	-0.666066	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000707	AVPR1B	arginine vasopressin receptor 1B	-0.364217	Inlier
siRNA Disorazole DMSO Run1	NM_000707	AVPR1B	arginine vasopressin receptor 1B	-0.013555	Inlier
siRNA Disorazole DMSO Run3	NM_000707	AVPR1B	arginine vasopressin receptor 1B	0.013555	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000707	AVPR1B	arginine vasopressin receptor 1B	1.567929	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000707	AVPR1B	arginine vasopressin receptor 1B	1.99908	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000707	AVPR1B	arginine vasopressin receptor 1B	2.675889	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Log Fold Change	Outlier Status
siRNA Disorazole DMSO Run1	NM_000054	AVPR2	-2.677508	Inlier
siRNA Disorazole DMSO Run2	NM_000054	AVPR2	-2.070631	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000054	AVPR2	-0.308957	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000054	AVPR2	-0.15921	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000054	AVPR2	0.159209	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000054	AVPR2	0.342794	Inlier

arginine
vasopressin
receptor
2
(nephrogenic
diabetes
insipidus)
arginine
vasopressin
receptor
2
(nephrogenic
diabetes
insipidus)
arginine
vasopressin
receptor
2
(nephrogenic
diabetes
insipidus)
arginine
vasopressin
receptor
2
(nephrogenic
diabetes
insipidus)
arginine
vasopressin
receptor
2
(nephrogenic
diabetes
insipidus)

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Gene ID	Gene Name	Value	Category
siRNA-Vinblastine Run1-DMSO	NM_000054	AVPR2	arginine vasopressin receptor 2 (nephrogenic diabetes insipidus)	1.006206	Inlier
siRNA Disorazole DMSO Run3	NM_000054	AVPR2	arginine vasopressin receptor 2 (nephrogenic diabetes insipidus)	1.369837	Inlier
siRNA-Temozolomide Run3-DMSO	NM_021913	AXL	AXL receptor tyrosine kinase	-2.602547	Inlier
siRNA Disorazole DMSO Run2	NM_021913	AXL	AXL receptor tyrosine kinase	-0.581876	Inlier
siRNA-Temozolomide Run1-DMSO	NM_021913	AXL	AXL receptor tyrosine kinase	-0.431104	Inlier
siRNA-Temozolomide Run2-DMSO	NM_021913	AXL	AXL receptor tyrosine kinase	-0.160008	Inlier
siRNA-Vinblastine Run1-DMSO	NM_021913	AXL	AXL receptor tyrosine kinase	0.160008	Inlier
siRNA Disorazole DMSO Run3	NM_021913	AXL	AXL receptor tyrosine kinase	0.767124	Inlier
siRNA Disorazole DMSO Run1	NM_021913	AXL	AXL receptor tyrosine kinase	1.312099	Inlier
siRNA-Vinblastine Run2-DMSO	NM_021913	AXL	AXL receptor tyrosine kinase	3.611879	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_001700	AZU1	azurocidin 1 (cationic antimicrobial protein 37)	-3.006256	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001700	AZU1	azurocidin 1 (cationic antimicrobial protein 37)	-0.73998	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001700	AZU1	azurocidin 1 (cationic antimicrobial protein 37)	-0.60902	Inlier
siRNA Disorazole DMSO Run2	NM_001700	AZU1	azurocidin 1 (cationic antimicrobial protein 37)	-0.430148	Inlier
siRNA Disorazole DMSO Run1	NM_001700	AZU1	azurocidin 1 (cationic antimicrobial protein 37)	0.430148	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001700	AZU1	azurocidin 1 (cationic antimicrobial protein 37)	0.563753	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001700	AZU1	azurocidin 1 (cationic antimicrobial protein 37)	1.127621	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_001700	AZU1	azurocidin 1 (cationic antimicrobial protein 37) UDP-Gal:betaGl cNAc beta 1,3-galactosyltransferase	1.469434	Inlier
siRNA-Temozolomide Run3-DMSO	NM_020981	B3GALT1	, polypeptide 1 UDP-Gal:betaGl cNAc beta 1,3-galactosyltransferase	-0.958453	Inlier
siRNA-Temozolomide Run2-DMSO	NM_020981	B3GALT1	, polypeptide 1 UDP-Gal:betaGl cNAc beta 1,3-galactosyltransferase	-0.856915	Inlier
siRNA-Temozolomide Run1-DMSO	NM_020981	B3GALT1	, polypeptide 1 UDP-Gal:betaGl cNAc beta 1,3-galactosyltransferase	-0.6778	Inlier
siRNA-Vinblastine Run2-DMSO	NM_020981	B3GALT1	, polypeptide 1 UDP-Gal:betaGl cNAc beta 1,3-galactosyltransferase	-0.029645	Inlier
siRNA Disorazole DMSO Run1	NM_020981	B3GALT1	, polypeptide 1	0.029644	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

				UDP- Gal:betaGl cNAc beta 1,3- galactosylt ransferase	
siRNA Disorazole DMSO Run3	NM_0209 81	B3GALT1	, polypeptid e 1	0.12267	Inlier
			UDP- Gal:betaGl cNAc beta 1,3- galactosylt ransferase		
siRNA Disorazole DMSO Run2	NM_0209 81	B3GALT1	, polypeptid e 1	0.6712	Inlier
			UDP- Gal:betaGl cNAc beta 1,3- galactosylt ransferase		
siRNA-Vinblastine Run1- DMSO	NM_0209 81	B3GALT1	, polypeptid e 1	0.713929	Inlier
			UDP- Gal:betaGl cNAc beta 1,3- galactosylt ransferase		
siRNA-Temozolomide Run3- DMSO	NM_0037 83	B3GALT2	, polypeptid e 2	-1.21686	Inlier
			UDP- Gal:betaGl cNAc beta 1,3- galactosylt ransferase		
siRNA-Temozolomide Run2- DMSO	NM_0037 83	B3GALT2	, polypeptid e 2	-1.033737	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Log Fold Change	Outlier Status
siRNA-Temozolomide Run1-DMSO	NM_003783	B3GALT2	-0.734234	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003783	B3GALT2	-0.003843	Inlier
siRNA Disorazole DMSO Run1	NM_003783	B3GALT2	0.003842	Inlier
siRNA Disorazole DMSO Run3	NM_003783	B3GALT2	0.034593	Inlier
siRNA Disorazole DMSO Run2	NM_003783	B3GALT2	0.614765	Inlier

UDP-Gal:betaGl
cNAc beta
1,3-
galactosylt
ransferase

,
polypeptid
e 2

UDP-Gal:betaGl
cNAc beta
1,3-
galactosylt
ransferase

,
polypeptid
e 2

UDP-Gal:betaGl
cNAc beta
1,3-
galactosylt
ransferase

,
polypeptid
e 2

UDP-Gal:betaGl
cNAc beta
1,3-
galactosylt
ransferase

,
polypeptid
e 2

UDP-Gal:betaGl
cNAc beta
1,3-
galactosylt
ransferase

,
polypeptid
e 2

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log2 Fold Change	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003783	B3GALT2	UDP-Gal:betaGl cNAc beta 1,3-galactosylt ransferase	0.983702	Inlier
siRNA-Temozolomide Run2-DMSO	NM_033169	B3GALT3	UDP-Gal:betaGl cNAc beta 1,3-galactosylt ransferase	-1.09634	Inlier
siRNA-Temozolomide Run3-DMSO	NM_033169	B3GALT3	UDP-Gal:betaGl cNAc beta 1,3-galactosylt ransferase	-0.550008	Inlier
siRNA Disorazole DMSO Run3	NM_033169	B3GALT3	UDP-Gal:betaGl cNAc beta 1,3-galactosylt ransferase	-0.298669	Inlier
siRNA-Vinblastine Run2-DMSO	NM_033169	B3GALT3	UDP-Gal:betaGl cNAc beta 1,3-galactosylt ransferase	-0.095313	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

				UDP- Gal:betaGl cNAc beta 1,3- galactosylt ransferase	
siRNA Disorazole DMSO Run1	NM_0331 69	B3GALT3	, polypeptid e 3	0.095313	Inlier
			UDP- Gal:betaGl cNAc beta 1,3- galactosylt ransferase		
siRNA-Temozolomide Run1- DMSO	NM_0331 69	B3GALT3	, polypeptid e 3	0.798992	Inlier
			UDP- Gal:betaGl cNAc beta 1,3- galactosylt ransferase		
siRNA Disorazole DMSO Run2	NM_0331 69	B3GALT3	, polypeptid e 3	1.760705	Inlier
			UDP- Gal:betaGl cNAc beta 1,3- galactosylt ransferase		
siRNA-Vinblastine Run1- DMSO	NM_0331 69	B3GALT3	, polypeptid e 3	2.050619	Inlier
			UDP- Gal:betaGl cNAc beta 1,3- galactosylt ransferase		
siRNA-Temozolomide Run3- DMSO	NM_0037 82	B3GALT4	, polypeptid e 4	-6.178622	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Log Fold Change	Annotation
siRNA Disorazole DMSO Run3	NM_003782	B3GALT4	-0.591074	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003782	B3GALT4	-0.376204	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003782	B3GALT4	-0.139892	Inlier
siRNA Disorazole DMSO Run1	NM_003782	B3GALT4	0.139891	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003782	B3GALT4	0.757926	Inlier

UDP-Gal:betaGl
cNAc beta
1,3-
galactosylt
ransferase

,
polypeptid
e 4

UDP-Gal:betaGl
cNAc beta
1,3-
galactosylt
ransferase

,
polypeptid
e 4

UDP-Gal:betaGl
cNAc beta
1,3-
galactosylt
ransferase

,
polypeptid
e 4

UDP-Gal:betaGl
cNAc beta
1,3-
galactosylt
ransferase

,
polypeptid
e 4

UDP-Gal:betaGl
cNAc beta
1,3-
galactosylt
ransferase

,
polypeptid
e 4

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log2 Fold Change	Annotation
siRNA-Temozolomide Run1-DMSO	NM_003782	B3GALT4	UDP-Gal:betaGl cNAc beta 1,3-galactosylt ransferase	1.602299	Inlier
siRNA Disorazole DMSO Run2	NM_003782	B3GALT4	UDP-Gal:betaGl cNAc beta 1,3-galactosylt ransferase	1.989905	Inlier
siRNA-Temozolomide Run1-DMSO	NM_033172	B3GALT5	UDP-Gal:betaGl cNAc beta 1,3-galactosylt ransferase	-1.597769	Inlier
siRNA Disorazole DMSO Run3	NM_033172	B3GALT5	UDP-Gal:betaGl cNAc beta 1,3-galactosylt ransferase	-0.868974	Inlier
siRNA-Temozolomide Run2-DMSO	NM_033172	B3GALT5	UDP-Gal:betaGl cNAc beta 1,3-galactosylt ransferase	-0.480026	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Log Fold Change	Outlier Status
siRNA-Vinblastine Run2-DMSO	NM_033172	B3GALT5	-0.263276	Inlier
siRNA Disorazole DMSO Run1	NM_033172	B3GALT5	0.263276	Inlier
siRNA-Temozolomide Run3-DMSO	NM_033172	B3GALT5	0.401194	Inlier
siRNA Disorazole DMSO Run2	NM_033172	B3GALT5	1.497323	Inlier
siRNA-Vinblastine Run1-DMSO	NM_033172	B3GALT5	2.077098	Inlier

UDP-Gal:betaGl
cNAc beta
1,3-
galactosylt
ransferase

, polypeptid
e 5
UDP-Gal:betaGl
cNAc beta
1,3-
galactosylt
ransferase

, polypeptid
e 5
UDP-Gal:betaGl
cNAc beta
1,3-
galactosylt
ransferase

, polypeptid
e 5
UDP-Gal:betaGl
cNAc beta
1,3-
galactosylt
ransferase

, polypeptid
e 5
UDP-Gal:betaGl
cNAc beta
1,3-
galactosylt
ransferase

, polypeptid
e 5

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_080605	B3GALT6	UDP-Gal:betaGal beta 1,3-galactosyltransferase polypeptide 6	-0.889597	Inlier
siRNA-Temozolomide Run3-DMSO	NM_080605	B3GALT6	UDP-Gal:betaGal beta 1,3-galactosyltransferase polypeptide 6	-0.459403	Inlier
siRNA-Vinblastine Run2-DMSO	NM_080605	B3GALT6	UDP-Gal:betaGal beta 1,3-galactosyltransferase polypeptide 6	-0.270554	Inlier
siRNA-Temozolomide Run1-DMSO	NM_080605	B3GALT6	UDP-Gal:betaGal beta 1,3-galactosyltransferase polypeptide 6	-0.172575	Inlier
siRNA Disorazole DMSO Run1	NM_080605	B3GALT6	UDP-Gal:betaGal beta 1,3-galactosyltransferase polypeptide 6	0.172574	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_080605	B3GALT6	UDP-Gal:betaGal beta 1,3-galactosyltransferase polypeptide 6	3.319594	Inlier
siRNA-Vinblastine Run1-DMSO	NM_080605	B3GALT6	UDP-Gal:betaGal beta 1,3-galactosyltransferase polypeptide 6	4.096567	Outlier
siRNA-Temozolomide Run2-DMSO	NM_080605	B3GALT6	UDP-Gal:betaGal beta 1,3-galactosyltransferase polypeptide 6	4.274561	Outlier
siRNA-Vinblastine Run2-DMSO	NM_054025	B3GAT1	beta-1,3-glucuronyltransferase 1 (glucuronosyltransferase P)	-0.691671	Inlier
siRNA Disorazole DMSO Run3	NM_054025	B3GAT1	beta-1,3-glucuronyltransferase 1 (glucuronosyltransferase P)	-0.657329	Inlier
siRNA Disorazole DMSO Run1	NM_054025	B3GAT1	beta-1,3-glucuronyltransferase 1 (glucuronosyltransferase P)	-0.119751	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0540 25	B3GAT1	beta-1,3-glucuronyltransferase 1 (glucuronosyltransferase P)	-0.093077	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0540 25	B3GAT1	beta-1,3-glucuronyltransferase 1 (glucuronosyltransferase P)	0.093077	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0540 25	B3GAT1	beta-1,3-glucuronyltransferase 1 (glucuronosyltransferase P)	0.894883	Inlier
siRNA Disorazole DMSO Run2	NM_0540 25	B3GAT1	beta-1,3-glucuronyltransferase 1 (glucuronosyltransferase P)	2.164831	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0540 25	B3GAT1	beta-1,3-glucuronyltransferase 2 (glucuronosyltransferase P)	2.525224	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0807 42	B3GAT2	beta-1,3-glucuronyltransferase 2 (glucuronosyltransferase S)	-1.529714	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0807 42	B3GAT2	beta-1,3-glucuronyltransferase 2 (glucuronosyltransferase S)	-0.897229	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0807 42	B3GAT2	beta-1,3- glucuronylt ransferase 2 (glucurono syltransfer ase S)	-0.23814	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0807 42	B3GAT2	beta-1,3- glucuronylt ransferase 2 (glucurono syltransfer ase S)	-0.054969	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0807 42	B3GAT2	beta-1,3- glucuronylt ransferase 2 (glucurono syltransfer ase S)	0.054969	Inlier
siRNA Disorazole DMSO Run3	NM_0807 42	B3GAT2	beta-1,3- glucuronylt ransferase 2 (glucurono syltransfer ase S)	0.451771	Inlier
siRNA Disorazole DMSO Run2	NM_0807 42	B3GAT2	beta-1,3- glucuronylt ransferase 2 (glucurono syltransfer ase S)	1.995968	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0807 42	B3GAT2	beta-1,3- glucuronylt ransferase 3 (glucurono syltransfer ase I)	2.914976	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0122 00	B3GAT3	beta-1,3- glucuronylt ransferase 3 (glucurono syltransfer ase I)	-1.188121	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Log Fold Change	Classification
siRNA-Temozolomide Run3-DMSO	NM_012200	B3GAT3 beta-1,3-glucuronyltransferase 3 (glucuronosyltransferase I)	-0.785786	Inlier
siRNA-Vinblastine Run2-DMSO	NM_012200	B3GAT3 beta-1,3-glucuronyltransferase 3 (glucuronosyltransferase I)	-0.563214	Inlier
siRNA Disorazole DMSO Run3	NM_012200	B3GAT3 beta-1,3-glucuronyltransferase 3 (glucuronosyltransferase I)	-0.122864	Inlier
siRNA-Temozolomide Run1-DMSO	NM_012200	B3GAT3 beta-1,3-glucuronyltransferase 3 (glucuronosyltransferase I)	0.122864	Inlier
siRNA Disorazole DMSO Run1	NM_012200	B3GAT3 beta-1,3-glucuronyltransferase 3 (glucuronosyltransferase I)	0.247014	Inlier
siRNA Disorazole DMSO Run2	NM_012200	B3GAT3 beta-1,3-glucuronyltransferase 3 (glucuronosyltransferase I)	3.625981	Outlier
siRNA-Vinblastine Run1-DMSO	NM_012200	B3GAT3 beta-1,3-glucuronyltransferase 3 (glucuronosyltransferase I)	3.982381	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_006577	B3GNT1	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 1	-1.178156	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006577	B3GNT1	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 1	-0.777194	Inlier
siRNA Disorazole DMSO Run1	NM_006577	B3GNT1	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 1	-0.571806	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006577	B3GNT1	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 1	-0.251196	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006577	B3GNT1	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 1	0.251196	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0065 77	B3GNT1	1	UDP- GlcNAc:be taGal beta- 1,3-N- acetylgluc osaminyltr ansferase	0.468218 Inlier
siRNA Disorazole DMSO Run2	NM_0065 77	B3GNT1	1	UDP- GlcNAc:be taGal beta- 1,3-N- acetylgluc osaminyltr ansferase	0.966577 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0065 77	B3GNT1	1	UDP- GlcNAc:be taGal beta- 1,3-N- acetylgluc osaminyltr ansferase	1.196734 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0142 56	B3GNT3	3	UDP- GlcNAc:be taGal beta- 1,3-N- acetylgluc osaminyltr ansferase	-0.997562 Inlier
siRNA Disorazole DMSO Run1	NM_0142 56	B3GNT3	3	UDP- GlcNAc:be taGal beta- 1,3-N- acetylgluc osaminyltr ansferase	-0.931399 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0142 56	B3GNT3	UDP- GlcNAc:be taGal beta- 1,3-N- acetylgluc osaminyltr ansferase 3	-0.417601	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0142 56	B3GNT3	UDP- GlcNAc:be taGal beta- 1,3-N- acetylgluc osaminyltr ansferase 3	-0.207232	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0142 56	B3GNT3	UDP- GlcNAc:be taGal beta- 1,3-N- acetylgluc osaminyltr ansferase 3	0.207232	Inlier
siRNA Disorazole DMSO Run3	NM_0142 56	B3GNT3	UDP- GlcNAc:be taGal beta- 1,3-N- acetylgluc osaminyltr ansferase 3	0.267082	Inlier
siRNA Disorazole DMSO Run2	NM_0142 56	B3GNT3	UDP- GlcNAc:be taGal beta- 1,3-N- acetylgluc osaminyltr ansferase 3	2.344807	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_014256	B3GNT3	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 3	2.492666	Inlier
siRNA-Temozolomide Run2-DMSO	NM_030765	B3GNT4	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 4	-0.928177	Inlier
siRNA-Temozolomide Run3-DMSO	NM_030765	B3GNT4	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 4	-0.782059	Inlier
siRNA-Temozolomide Run1-DMSO	NM_030765	B3GNT4	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 4	-0.370438	Inlier
siRNA-Vinblastine Run2-DMSO	NM_030765	B3GNT4	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 4	-0.016697	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0307 65	B3GNT4	UDP- GlcNAc:be taGal beta- 1,3-N- acetylgluc osaminyltr ansferase 4	0.016697	Inlier
siRNA Disorazole DMSO Run3	NM_0307 65	B3GNT4	UDP- GlcNAc:be taGal beta- 1,3-N- acetylgluc osaminyltr ansferase 4	0.566941	Inlier
siRNA Disorazole DMSO Run2	NM_0307 65	B3GNT4	UDP- GlcNAc:be taGal beta- 1,3-N- acetylgluc osaminyltr ansferase 4	1.292647	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0307 65	B3GNT4	UDP- GlcNAc:be taGal beta- 1,3-N- acetylgluc osaminyltr ansferase 4	1.652988	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0320 47	B3GNT5	UDP- GlcNAc:be taGal beta- 1,3-N- acetylgluc osaminyltr ansferase 5	-0.681423	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0320 47	B3GNT5	5	UDP- GlcNAc:be taGal beta- 1,3-N- acetylgluc osaminyltr ansferase	-0.667577	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0320 47	B3GNT5	5	UDP- GlcNAc:be taGal beta- 1,3-N- acetylgluc osaminyltr ansferase	-0.180106	Inlier
siRNA Disorazole DMSO Run1	NM_0320 47	B3GNT5	5	UDP- GlcNAc:be taGal beta- 1,3-N- acetylgluc osaminyltr ansferase	-0.044214	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0320 47	B3GNT5	5	UDP- GlcNAc:be taGal beta- 1,3-N- acetylgluc osaminyltr ansferase	0.044214	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0320 47	B3GNT5	5	UDP- GlcNAc:be taGal beta- 1,3-N- acetylgluc osaminyltr ansferase	1.540578	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0320 47	B3GNT5	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 5	2.981793	Inlier
siRNA Disorazole DMSO Run2	NM_0320 47	B3GNT5	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 5	3.236646	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0068 76	B3GNT6	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 6	-0.747804	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0068 76	B3GNT6	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 6	-0.601196	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0068 76	B3GNT6	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 6	-0.455675	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0068 76	B3GNT6	UDP- GlcNAc:be taGal beta- 1,3-N- acetylgluc osaminyltr ansferase 6	-0.251015	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0068 76	B3GNT6	UDP- GlcNAc:be taGal beta- 1,3-N- acetylgluc osaminyltr ansferase 6	0.251015	Inlier
siRNA Disorazole DMSO Run1	NM_0068 76	B3GNT6	UDP- GlcNAc:be taGal beta- 1,3-N- acetylgluc osaminyltr ansferase 6	1.137525	Inlier
siRNA Disorazole DMSO Run2	NM_0068 76	B3GNT6	UDP- GlcNAc:be taGal beta- 1,3-N- acetylgluc osaminyltr ansferase 6	7.233782	Outlier
siRNA-Vinblastine Run1- DMSO	NM_0068 76	B3GNT6	UDP- GlcNAc:be taGal beta- 1,3-N- acetylgluc osaminyltr ansferase 6	7.447136	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_1452 36	B3GNT7	UDP- GlcNAc:be taGal beta- 1,3-N- acetylgluc osaminyltr ansferase 7	-0.685768	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1452 36	B3GNT7	UDP- GlcNAc:be taGal beta- 1,3-N- acetylgluc osaminyltr ansferase 7	-0.663232	Inlier
siRNA Disorazole DMSO Run3	NM_1452 36	B3GNT7	UDP- GlcNAc:be taGal beta- 1,3-N- acetylgluc osaminyltr ansferase 7	-0.500271	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1452 36	B3GNT7	UDP- GlcNAc:be taGal beta- 1,3-N- acetylgluc osaminyltr ansferase 7	-0.354057	Inlier
siRNA Disorazole DMSO Run1	NM_1452 36	B3GNT7	UDP- GlcNAc:be taGal beta- 1,3-N- acetylgluc osaminyltr ansferase 7	0.354057	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_1452 36	B3GNT7	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 7	0.796673	Inlier
siRNA Disorazole DMSO Run2	NM_1452 36	B3GNT7	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 7	7.581861	Outlier
siRNA-Vinblastine Run1-DMSO	NM_1452 36	B3GNT7	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 7	7.872368	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0014 97	B4GALT1	UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase 1	-1.196186	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0014 97	B4GALT1	UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase 1	-1.030799	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Log Fold Change	Annotation
siRNA-Temozolomide Run1-DMSO	NM_001497	B4GALT1	-0.308149	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001497	B4GALT1	-0.099122	Inlier
siRNA Disorazole DMSO Run3	NM_001497	B4GALT1	0.099122	Inlier
siRNA Disorazole DMSO Run1	NM_001497	B4GALT1	0.318201	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001497	B4GALT1	1.591182	Inlier

UDP-Gal:betaGl
cNAc beta
1,4-
galactosylt
ransferase

,
polypeptid
e 1

UDP-Gal:betaGl
cNAc beta
1,4-
galactosylt
ransferase

,
polypeptid
e 1

UDP-Gal:betaGl
cNAc beta
1,4-
galactosylt
ransferase

,
polypeptid
e 1

UDP-Gal:betaGl
cNAc beta
1,4-
galactosylt
ransferase

,
polypeptid
e 1

UDP-Gal:betaGl
cNAc beta
1,4-
galactosylt
ransferase

,
polypeptid
e 1

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

				UDP- Gal:betaGl cNAc beta 1,4- galactosylt ransferase	
siRNA Disorazole DMSO Run2	NM_0014 97	B4GALT1	, polypeptid e 1	2.121459	Inlier
			UDP- Gal:betaGl cNAc beta 1,4- galactosylt ransferase		
siRNA-Temozolomide Run3- DMSO	NM_0305 87	B4GALT2	, polypeptid e 2	-0.774803	Inlier
			UDP- Gal:betaGl cNAc beta 1,4- galactosylt ransferase		
siRNA-Temozolomide Run1- DMSO	NM_0305 87	B4GALT2	, polypeptid e 2	-0.574197	Inlier
			UDP- Gal:betaGl cNAc beta 1,4- galactosylt ransferase		
siRNA Disorazole DMSO Run1	NM_0305 87	B4GALT2	, polypeptid e 2	-0.35954	Inlier
			UDP- Gal:betaGl cNAc beta 1,4- galactosylt ransferase		
siRNA-Temozolomide Run2- DMSO	NM_0305 87	B4GALT2	, polypeptid e 2	-0.234402	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Value	Category
siRNA-Vinblastine Run2-DMSO	NM_030587	B4GALT2	UDP-Gal:betaGl cNAc beta 1,4-galactosylt ransferase	0.2344	Inlier
siRNA Disorazole DMSO Run3	NM_030587	B4GALT2	UDP-Gal:betaGl cNAc beta 1,4-galactosylt ransferase	1.739223	Inlier
siRNA Disorazole DMSO Run2	NM_030587	B4GALT2	UDP-Gal:betaGl cNAc beta 1,4-galactosylt ransferase	3.482293	Inlier
siRNA-Vinblastine Run1-DMSO	NM_030587	B4GALT2	UDP-Gal:betaGl cNAc beta 1,4-galactosylt ransferase	3.560717	Outlier
siRNA-Temozolomide Run2-DMSO	NM_003779	B4GALT3	polypeptid e 3	-0.921885	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Gene Name	Log Fold Change	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_003779	B4GALT3	UDP-Gal:betaGl cNAc beta 1,4-galactosyltransferase	-0.714047	Inlier
siRNA Disorazole DMSO Run3	NM_003779	B4GALT3	UDP-Gal:betaGl cNAc beta 1,4-galactosyltransferase	-0.634953	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003779	B4GALT3	UDP-Gal:betaGl cNAc beta 1,4-galactosyltransferase	-0.312285	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003779	B4GALT3	UDP-Gal:betaGl cNAc beta 1,4-galactosyltransferase	0.312286	Inlier
siRNA Disorazole DMSO Run1	NM_003779	B4GALT3	UDP-Gal:betaGl cNAc beta 1,4-galactosyltransferase	0.367958	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Score	Category
siRNA-Vinblastine Run1-DMSO	NM_003779	B4GALT3	UDP-Gal:betaGl cNAc beta 1,4-galactosylt ransferase	4.745552	Outlier
siRNA Disorazole DMSO Run2	NM_003779	B4GALT3	UDP-Gal:betaGl cNAc beta 1,4-galactosylt ransferase	4.766486	Outlier
siRNA Disorazole DMSO Run1	NM_003778	B4GALT4	UDP-Gal:betaGl cNAc beta 1,4-galactosylt ransferase	-2.999943	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003778	B4GALT4	UDP-Gal:betaGl cNAc beta 1,4-galactosylt ransferase	-1.274009	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003778	B4GALT4	UDP-Gal:betaGl cNAc beta 1,4-galactosylt ransferase	-0.80818	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Value	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_003778	B4GALT4	UDP-Gal:betaGl cNAc beta 1,4-galactosyltransferase	-0.083784	Inlier
siRNA Disorazole DMSO Run3	NM_003778	B4GALT4	UDP-Gal:betaGl cNAc beta 1,4-galactosyltransferase	0.083784	Inlier
siRNA Disorazole DMSO Run2	NM_003778	B4GALT4	UDP-Gal:betaGl cNAc beta 1,4-galactosyltransferase	0.440121	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003778	B4GALT4	UDP-Gal:betaGl cNAc beta 1,4-galactosyltransferase	0.54082	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003778	B4GALT4	UDP-Gal:betaGl cNAc beta 1,4-galactosyltransferase	1.175307	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Log Fold Change	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_004776	B4GALT5	-1.472591	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004776	B4GALT5	-0.740679	Inlier
siRNA Disorazole DMSO Run1	NM_004776	B4GALT5	-0.608321	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004776	B4GALT5	-0.245345	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004776	B4GALT5	0.245345	Inlier

UDP-Gal:betaGl
cNAc beta
1,4-
galactosylt
ransferase

,
polypeptid
e 5
UDP-Gal:betaGl
cNAc beta
1,4-
galactosylt
ransferase

,
polypeptid
e 5
UDP-Gal:betaGl
cNAc beta
1,4-
galactosylt
ransferase

,
polypeptid
e 5
UDP-Gal:betaGl
cNAc beta
1,4-
galactosylt
ransferase

,
polypeptid
e 5
UDP-Gal:betaGl
cNAc beta
1,4-
galactosylt
ransferase

,
polypeptid
e 5

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

				UDP- Gal:betaGl cNAc beta 1,4- galactosylt ransferase	
siRNA Disorazole DMSO Run3	NM_0047 76	B4GALT5	, polypeptid e 5	0.24853	Inlier
			UDP- Gal:betaGl cNAc beta 1,4- galactosylt ransferase		
siRNA-Vinblastine Run1- DMSO	NM_0047 76	B4GALT5	, polypeptid e 5	1.01501	Inlier
			UDP- Gal:betaGl cNAc beta 1,4- galactosylt ransferase		
siRNA Disorazole DMSO Run2	NM_0047 76	B4GALT5	, polypeptid e 5	1.360051	Inlier
			UDP- Gal:betaGl cNAc beta 1,4- galactosylt ransferase		
siRNA-Temozolomide Run1- DMSO	NM_0047 75	B4GALT6	, polypeptid e 6	-1.415908	Inlier
			UDP- Gal:betaGl cNAc beta 1,4- galactosylt ransferase		
siRNA-Temozolomide Run2- DMSO	NM_0047 75	B4GALT6	, polypeptid e 6	-0.850253	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Symbol	Protein Name	Log2 Fold Change	Outlier Status
siRNA Disorazole DMSO Run1	B4GALT6	NM_004775	B4GALT6	UDP-Gal:betaGlucNAc beta 1,4-galactosyltransferase	-0.498747	Inlier
siRNA Disorazole DMSO Run2	B4GALT6	NM_004775	B4GALT6	UDP-Gal:betaGlucNAc beta 1,4-galactosyltransferase	-0.341306	Inlier
siRNA-Temozolomide DMSO Run3	B4GALT6	NM_004775	B4GALT6	UDP-Gal:betaGlucNAc beta 1,4-galactosyltransferase	0.341306	Inlier
siRNA-Vinblastine DMSO Run2	B4GALT6	NM_004775	B4GALT6	UDP-Gal:betaGlucNAc beta 1,4-galactosyltransferase	0.412798	Inlier
siRNA-Vinblastine DMSO Run1	B4GALT6	NM_004775	B4GALT6	UDP-Gal:betaGlucNAc beta 1,4-galactosyltransferase	1.058323	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA	Condition	Run	Gene	Accession	Gene Name	Score	Inlier
siRNA Disorazole	DMSO	Run3	B4GALT6	NM_004775	UDP-Gal:betaGl cNAc beta 1,4-galactosylt ransferase	1.137685	Inlier
siRNA-Temozolomide	DMSO	Run2	B4GALT7	NM_007255	polypeptid e 6 (galactosyl transferas e I) xylosylprot ein beta 1,4-galactosylt ransferase	-0.931575	Inlier
siRNA-Temozolomide	DMSO	Run1	B4GALT7	NM_007255	polypeptid e 7 (galactosyl transferas e I) xylosylprot ein beta 1,4-galactosylt ransferase	-0.764343	Inlier
siRNA-Temozolomide	DMSO	Run3	B4GALT7	NM_007255	polypeptid e 7 (galactosyl transferas e I)	-0.198074	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0072 55	B4GALT7	xylosylprot ein beta 1,4- galactosylt ransferase , polypeptid e 7 (galactosyl transferas e I)	-0.03359	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0072 55	B4GALT7	xylosylprot ein beta 1,4- galactosylt ransferase , polypeptid e 7 (galactosyl transferas e I)	0.03359	Inlier
siRNA Disorazole DMSO Run1	NM_0072 55	B4GALT7	xylosylprot ein beta 1,4- galactosylt ransferase , polypeptid e 7 (galactosyl transferas e I)	0.584657	Inlier
siRNA Disorazole DMSO Run2	NM_0072 55	B4GALT7	xylosylprot ein beta 1,4- galactosylt ransferase , polypeptid e 7 (galactosyl transferas e I)	0.982476	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_007255	B4GALT7	xylosylprotein beta 1,4-galactosyltransferase 7 (galactosyltransferase I)	2.409844	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001701	BAAT	bile acid Coenzyme A: amino acid N-acyltransferase (glycine N-choloyltransferase)	-0.706291	Inlier
siRNA Disorazole DMSO Run1	NM_001701	BAAT	bile acid Coenzyme A: amino acid N-acyltransferase (glycine N-choloyltransferase)	-0.642709	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001701	BAAT	bile acid Coenzyme A: amino acid N-acyltransferase (glycine N-choloyltransferase)	-0.602202	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001701	BAAT	bile acid Coenzyme A: amino acid N-acyltransferase (glycine N-choloyltransferase)	-0.079014	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_001701	BAAT	bile acid Coenzyme A: amino acid N- acyltransfe rase (glycine N- choloyltran sferase)	0.079014	Inlier
siRNA Disorazole DMSO Run3	NM_001701	BAAT	bile acid Coenzyme A: amino acid N- acyltransfe rase (glycine N- choloyltran sferase)	2.028383	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001701	BAAT	bile acid Coenzyme A: amino acid N- acyltransfe rase (glycine N- choloyltran sferase)	5.850728	Outlier
siRNA Disorazole DMSO Run2	NM_001701	BAAT	bile acid Coenzyme A: amino acid N- acyltransfe rase (glycine N- choloyltran sferase)	5.910522	Outlier
siRNA-Temozolomide Run3-DMSO	NM_138973	BACE1	beta-site APP- cleaving enzyme 1	-0.810435	Inlier
siRNA-Temozolomide Run2-DMSO	NM_138973	BACE1	beta-site APP- cleaving enzyme 1	-0.538565	Inlier
siRNA-Temozolomide Run1-DMSO	NM_138973	BACE1	beta-site APP- cleaving enzyme 1	-0.460067	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Target	Value	Outlier Status
siRNA Disorazole DMSO Run1	NM_1389 73	BACE1	beta-site APP-cleaving enzyme 1	-0.007901	Inlier
siRNA Disorazole DMSO Run2	NM_1389 73	BACE1	beta-site APP-cleaving enzyme 1	0.007901	Inlier
siRNA Disorazole DMSO Run3	NM_1389 73	BACE1	beta-site APP-cleaving enzyme 1	0.915901	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1389 73	BACE1	beta-site APP-cleaving enzyme 1	1.382447	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1389 73	BACE1	beta-site APP-cleaving enzyme 1	1.413275	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1389 91	BACE2	beta-site APP-cleaving enzyme 2	-0.906128	Inlier
siRNA Disorazole DMSO Run1	NM_1389 91	BACE2	beta-site APP-cleaving enzyme 2	-0.613366	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1389 91	BACE2	beta-site APP-cleaving enzyme 2	-0.516018	Inlier
siRNA Disorazole DMSO Run2	NM_1389 91	BACE2	beta-site APP-cleaving enzyme 2	-0.509771	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1389 91	BACE2	beta-site APP-cleaving enzyme 2	0.509771	Inlier
siRNA Disorazole DMSO Run3	NM_1389 91	BACE2	beta-site APP-cleaving enzyme 2	0.735634	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1389 91	BACE2	beta-site APP-cleaving enzyme 2	1.944768	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1389 91	BACE2	beta-site APP-cleaving enzyme 2	2.156124	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA-Vinblastine Run2- DMSO	NM_1818 65	BACH	BACH	-0.861291	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1818 65	BACH	BACH	-0.754765	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1818 65	BACH	BACH	-0.413352	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1818 65	BACH	BACH	-0.247869	Inlier
siRNA Disorazole DMSO Run3	NM_1818 65	BACH	BACH	0.247869	Inlier
siRNA Disorazole DMSO Run1	NM_1818 65	BACH	BACH	0.594235	Inlier
siRNA Disorazole DMSO Run2	NM_1818 65	BACH	BACH	3.111042	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1818 65	BACH	BACH	3.233908	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0043 22	BAD	BCL2- antagonist of cell death	-2.069679	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0043 22	BAD	BCL2- antagonist of cell death	-0.847594	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0043 22	BAD	BCL2- antagonist of cell death	-0.501406	Inlier
siRNA Disorazole DMSO Run3	NM_0043 22	BAD	BCL2- antagonist of cell death	-0.175275	Inlier
siRNA Disorazole DMSO Run1	NM_0043 22	BAD	BCL2- antagonist of cell death	0.175275	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0043 22	BAD	BCL2- antagonist of cell death	0.220151	Inlier
siRNA Disorazole DMSO Run2	NM_0043 22	BAD	BCL2- antagonist of cell death	2.302359	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0043 22	BAD	BCL2- antagonist of cell death	4.374751	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_001702	BAI1	brain-specific angiogenesis inhibitor 1	-1.26601	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001702	BAI1	brain-specific angiogenesis inhibitor 1	-0.983321	Inlier
siRNA Disorazole DMSO Run2	NM_001702	BAI1	brain-specific angiogenesis inhibitor 1	-0.625797	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001702	BAI1	brain-specific angiogenesis inhibitor 1	-0.464754	Inlier
siRNA Disorazole DMSO Run1	NM_001702	BAI1	brain-specific angiogenesis inhibitor 1	0.464754	Inlier
siRNA Disorazole DMSO Run3	NM_001702	BAI1	brain-specific angiogenesis inhibitor 1	0.626456	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001702	BAI1	brain-specific angiogenesis inhibitor 1	0.722544	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001702	BAI1	brain-specific angiogenesis inhibitor 1	1.304845	Inlier
siRNA Disorazole DMSO Run2	NM_001703	BAI2	brain-specific angiogenesis inhibitor 2	-0.926516	Inlier
siRNA Disorazole DMSO Run3	NM_001703	BAI2	brain-specific angiogenesis inhibitor 2	-0.551283	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_001703	BAI2	brain-specific angiogenesis inhibitor 2	-0.395818	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001703	BAI2	brain-specific angiogenesis inhibitor 2	-0.235329	Inlier
siRNA Disorazole DMSO Run1	NM_001703	BAI2	brain-specific angiogenesis inhibitor 2	0.235329	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001703	BAI2	brain-specific angiogenesis inhibitor 2	0.797717	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001703	BAI2	brain-specific angiogenesis inhibitor 2	2.021346	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001703	BAI2	brain-specific angiogenesis inhibitor 2	2.234257	Inlier
siRNA Disorazole DMSO Run2	NM_001704	BAI3	brain-specific angiogenesis inhibitor 3	-1.550232	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001704	BAI3	brain-specific angiogenesis inhibitor 3	-0.805619	Inlier
siRNA Disorazole DMSO Run3	NM_001704	BAI3	brain-specific angiogenesis inhibitor 3	-0.543381	Inlier
siRNA Disorazole DMSO Run1	NM_001704	BAI3	brain-specific angiogenesis inhibitor 3	-0.182954	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_001704	BAI3	brain-specific angiogenesis inhibitor 3	0.182954	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001704	BAI3	brain-specific angiogenesis inhibitor 3	0.435169	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001704	BAI3	brain-specific angiogenesis inhibitor 3	1.571084	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001704	BAI3	brain-specific angiogenesis inhibitor 3	1.579395	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001188	BAK1	BCL2-antagonist /killer 1	-0.924666	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001188	BAK1	BCL2-antagonist /killer 1	-0.864208	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001188	BAK1	BCL2-antagonist /killer 1	-0.624542	Inlier
siRNA Disorazole DMSO Run1	NM_001188	BAK1	BCL2-antagonist /killer 1	-0.207404	Inlier
siRNA Disorazole DMSO Run3	NM_001188	BAK1	BCL2-antagonist /killer 1	0.207404	Inlier
siRNA Disorazole DMSO Run2	NM_001188	BAK1	BCL2-antagonist /killer 1	0.347541	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001188	BAK1	BCL2-antagonist /killer 1	0.724458	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001188	BAK1	BCL2-antagonist /killer 1	1.250396	Inlier
siRNA-Temozolomide Run2-DMSO	NM_017935	BANK1	B-cell scaffold protein with ankyrin repeats 1	-3.018926	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0179 35	BANK1	B-cell scaffold protein with ankyrin repeats 1	-1.080264	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0179 35	BANK1	B-cell scaffold protein with ankyrin repeats 1	-0.279202	Inlier
siRNA Disorazole DMSO Run3	NM_0179 35	BANK1	B-cell scaffold protein with ankyrin repeats 1	-0.232292	Inlier
siRNA Disorazole DMSO Run1	NM_0179 35	BANK1	B-cell scaffold protein with ankyrin repeats 1	0.232292	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0179 35	BANK1	B-cell scaffold protein with ankyrin repeats 1	0.518163	Inlier
siRNA Disorazole DMSO Run2	NM_0179 35	BANK1	B-cell scaffold protein with ankyrin repeats 1	0.830837	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0179 35	BANK1	B-cell scaffold protein with ankyrin repeats 1	2.057336	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0046 56	BAP1	BRCA1 associated protein-1 (ubiquitin carboxy-terminal hydrolase)	-0.964507	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0046 56	BAP1	BRCA1 associated protein-1 (ubiquitin carboxy- terminal hydrolase)	-0.826762	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0046 56	BAP1	BRCA1 associated protein-1 (ubiquitin carboxy- terminal hydrolase)	-0.444096	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0046 56	BAP1	BRCA1 associated protein-1 (ubiquitin carboxy- terminal hydrolase)	-0.293412	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0046 56	BAP1	BRCA1 associated protein-1 (ubiquitin carboxy- terminal hydrolase)	0.293412	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0046 56	BAP1	BRCA1 associated protein-1 (ubiquitin carboxy- terminal hydrolase)	0.522238	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0046 56	BAP1	BRCA1 associated protein-1 (ubiquitin carboxy-terminal hydrolase)	1.513196	Inlier
siRNA Disorazole DMSO Run2	NM_0046 56	BAP1	BRCA1 associated protein-1 (ubiquitin carboxy-terminal hydrolase)	1.926653	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0036 58	BARX2	BarH-like homeobox 2	-2.28539	Inlier
siRNA Disorazole DMSO Run1	NM_0036 58	BARX2	BarH-like homeobox 2	-0.251956	Inlier
siRNA Disorazole DMSO Run3	NM_0036 58	BARX2	BarH-like homeobox 2	-0.045937	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0036 58	BARX2	BarH-like homeobox 2	-0.003592	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0036 58	BARX2	BarH-like homeobox 2	0.003592	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0036 58	BARX2	BarH-like homeobox 2	1.097044	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0036 58	BARX2	BarH-like homeobox 2	3.661044	Outlier
siRNA Disorazole DMSO Run2	NM_0036 58	BARX2	BarH-like homeobox 2	4.734552	Outlier
siRNA-Vinblastine Run2-DMSO	NM_1387 64	BAX	BCL2-associated X protein	-0.895172	Inlier
siRNA Disorazole DMSO Run1	NM_1387 64	BAX	BCL2-associated X protein	-0.885452	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_1387 64	BAX	BCL2- associated X protein	-0.683135	Inlier
siRNA Disorazole DMSO Run3	NM_1387 64	BAX	BCL2- associated X protein	-0.045103	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1387 64	BAX	BCL2- associated X protein	0.045103	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1387 64	BAX	BCL2- associated X protein	0.516399	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1387 64	BAX	BCL2- associated X protein	0.665865	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1387 64	BAX	BCL2- associated X protein	1.122642	Inlier
siRNA Disorazole DMSO Run1	NM_0039 86	BBOX1	butyrobeta ine (gamma), 2- oxoglutarate dioxygenase (gamma- butyrobeta ine hydroxylase) 1	-0.865711	Inlier
siRNA Disorazole DMSO Run3	NM_0039 86	BBOX1	butyrobeta ine (gamma), 2- oxoglutarate dioxygenase (gamma- butyrobeta ine hydroxylase) 1	-0.483289	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

			butyrobeta ine (gamma), 2- oxoglutarate dioxygenase (gamma- butyrobeta ine	
siRNA-Vinblastine Run2- DMSO	NM_0039 86	BBOX1	hydroxylase 1	-0.173341 Inlier
			butyrobeta ine (gamma), 2- oxoglutarate dioxygenase (gamma- butyrobeta ine	
siRNA-Temozolomide Run2- DMSO	NM_0039 86	BBOX1	hydroxylase 1	-0.012246 Inlier
			butyrobeta ine (gamma), 2- oxoglutarate dioxygenase (gamma- butyrobeta ine	
siRNA-Temozolomide Run3- DMSO	NM_0039 86	BBOX1	hydroxylase 1	0.012246 Inlier
			butyrobeta ine (gamma), 2- oxoglutarate dioxygenase (gamma- butyrobeta ine	
siRNA-Temozolomide Run1- DMSO	NM_0039 86	BBOX1	hydroxylase 1	1.039245 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			butyrobeta ine (gamma), 2- oxoglutarate dioxygenase (gamma- butyrobeta ine hydroxylase) 1	1.936611	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0039 86	BBOX1	butyrobeta ine (gamma), 2- oxoglutarate dioxygenase (gamma- butyrobeta ine hydroxylase) 1	1.936611	Inlier
siRNA Disorazole DMSO Run2	NM_0039 86	BBOX1	butyrobeta ine (gamma), 2- oxoglutarate dioxygenase (gamma- butyrobeta ine hydroxylase) 1 Bardet- Biedl syndrome 2	2.308695	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0318 85	BBS2	Bardet- Biedl syndrome 2	-0.981992	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0318 85	BBS2	Bardet- Biedl syndrome 2	-0.769806	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0318 85	BBS2	Bardet- Biedl syndrome 2	-0.3462	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0318 85	BBS2	Bardet- Biedl syndrome 2	-0.320304	Inlier
siRNA Disorazole DMSO Run3	NM_0318 85	BBS2	Bardet- Biedl syndrome 2	0.320305	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0318 85	BBS2	Bardet- Biedl syndrome 2	0.579194	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0318 85	BBS2	Bardet-Biedl syndrome 2	1.179289	Inlier
siRNA Disorazole DMSO Run2	NM_0318 85	BBS2	Bardet-Biedl syndrome 2	1.583162	Inlier
siRNA Disorazole DMSO Run3	NM_0055 04	BCAT1	branched chain aminotransferase 1, cytosolic	-0.717226	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0055 04	BCAT1	branched chain aminotransferase 1, cytosolic	-0.662057	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0055 04	BCAT1	branched chain aminotransferase 1, cytosolic	-0.451535	Inlier
siRNA Disorazole DMSO Run1	NM_0055 04	BCAT1	branched chain aminotransferase 1, cytosolic	-0.03936	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0055 04	BCAT1	branched chain aminotransferase 1, cytosolic	0.039361	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0055 04	BCAT1	branched chain aminotransferase 1, cytosolic	0.686943	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0055 04	BCAT1	branched chain aminotransferase 1, cytosolic	2.279437	Inlier
siRNA Disorazole DMSO Run2	NM_0055 04	BCAT1	branched chain aminotransferase 1, cytosolic	2.456573	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_001190	BCAT2	branched chain aminotransferase 2, mitochondrial	-0.67895	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001190	BCAT2	branched chain aminotransferase 2, mitochondrial	-0.67005	Inlier
siRNA Disorazole DMSO Run1	NM_001190	BCAT2	branched chain aminotransferase 2, mitochondrial	-0.662644	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001190	BCAT2	branched chain aminotransferase 2, mitochondrial	-0.329817	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001190	BCAT2	branched chain aminotransferase 2, mitochondrial	0.329818	Inlier
siRNA Disorazole DMSO Run3	NM_001190	BCAT2	branched chain aminotransferase 2, mitochondrial	0.790532	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001190	BCAT2	branched chain aminotransferase 2, mitochondrial	1.112817	Inlier
siRNA Disorazole DMSO Run2	NM_001190	BCAT2	branched chain aminotransferase 2, mitochondrial	1.29571	Inlier
siRNA-Temozolomide Run3-DMSO	NM_031938	BCDO2	beta-carotene dioxygenase 2	-1.800183	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0319 38	BCDO2	beta-carotene dioxygenase 2	-1.406296	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0319 38	BCDO2	beta-carotene dioxygenase 2	-0.855476	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0319 38	BCDO2	beta-carotene dioxygenase 2	-0.101819	Inlier
siRNA Disorazole DMSO Run1	NM_0319 38	BCDO2	beta-carotene dioxygenase 2	0.101819	Inlier
siRNA Disorazole DMSO Run3	NM_0319 38	BCDO2	beta-carotene dioxygenase 2	0.440816	Inlier
siRNA Disorazole DMSO Run2	NM_0319 38	BCDO2	beta-carotene dioxygenase 2	0.493524	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0319 38	BCDO2	beta-carotene dioxygenase 2	1.028572	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0000 55	BCHE	butyrylcholinesterase	-7.799892	Outlier
siRNA-Vinblastine Run2-DMSO	NM_0000 55	BCHE	butyrylcholinesterase	-1.762296	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0000 55	BCHE	butyrylcholinesterase	-0.416701	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0000 55	BCHE	butyrylcholinesterase	-0.399118	Inlier
siRNA Disorazole DMSO Run3	NM_0000 55	BCHE	butyrylcholinesterase	0.399118	Inlier
siRNA Disorazole DMSO Run2	NM_0000 55	BCHE	butyrylcholinesterase	0.530448	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0000 55	BCHE	butyrylcholinesterase	0.818552	Inlier
siRNA Disorazole DMSO Run1	NM_0000 55	BCHE	butyrylcholinesterase	1.85428	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_000709	BCKDHA	branched chain keto acid dehydrogenase E1, alpha polypeptide (maple syrup urine disease)	-1.447086	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000709	BCKDHA	branched chain keto acid dehydrogenase E1, alpha polypeptide (maple syrup urine disease)	-1.011238	Inlier
siRNA Disorazole DMSO Run2	NM_000709	BCKDHA	branched chain keto acid dehydrogenase E1, alpha polypeptide (maple syrup urine disease)	-0.431584	Inlier
siRNA Disorazole DMSO Run3	NM_000709	BCKDHA	branched chain keto acid dehydrogenase E1, alpha polypeptide (maple syrup urine disease)	-0.044702	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_000709	BCKDHA	branched chain keto acid dehydrogenase E1, alpha polypeptide (maple syrup urine disease)	0.044702	Inlier
siRNA Disorazole DMSO Run1	NM_000709	BCKDHA	branched chain keto acid dehydrogenase E1, alpha polypeptide (maple syrup urine disease)	0.212686	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000709	BCKDHA	branched chain keto acid dehydrogenase E1, alpha polypeptide (maple syrup urine disease)	0.917416	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000709	BCKDHA	branched chain keto acid dehydrogenase E1, alpha polypeptide (maple syrup urine disease)	1.151529	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_183050	BCKDHB	branched chain keto acid dehydrogenase E1, beta polypeptide (maple syrup urine disease)	-1.720596	Inlier
siRNA-Temozolomide Run2-DMSO	NM_183050	BCKDHB	branched chain keto acid dehydrogenase E1, beta polypeptide (maple syrup urine disease)	-1.29984	Inlier
siRNA-Temozolomide Run1-DMSO	NM_183050	BCKDHB	branched chain keto acid dehydrogenase E1, beta polypeptide (maple syrup urine disease)	-0.515937	Inlier
siRNA-Vinblastine Run2-DMSO	NM_183050	BCKDHB	branched chain keto acid dehydrogenase E1, beta polypeptide (maple syrup urine disease)	-0.100161	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	50	NM_1830	BCKDHB	branched chain keto acid dehydrogenase E1, beta polypeptide (maple syrup urine disease)	0.100161	Inlier
siRNA-Vinblastine Run1-DMSO	50	NM_1830	BCKDHB	branched chain keto acid dehydrogenase E1, beta polypeptide (maple syrup urine disease)	0.443921	Inlier
siRNA Disorazole DMSO Run1	50	NM_1830	BCKDHB	branched chain keto acid dehydrogenase E1, beta polypeptide (maple syrup urine disease)	0.833063	Inlier
siRNA Disorazole DMSO Run2	50	NM_1830	BCKDHB	branched chain keto acid dehydrogenase E1, beta polypeptide (maple syrup urine disease)	1.558932	Inlier
siRNA Disorazole DMSO Run2	81	NM_0058	BCKDK	kinase	-0.940053	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0058 81	BCKDK	branched chain ketoacid dehydrogenase kinase	-0.711508	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0058 81	BCKDK	branched chain ketoacid dehydrogenase kinase	-0.584097	Inlier
siRNA Disorazole DMSO Run3	NM_0058 81	BCKDK	branched chain ketoacid dehydrogenase kinase	-0.235925	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0058 81	BCKDK	branched chain ketoacid dehydrogenase kinase	0.235926	Inlier
siRNA Disorazole DMSO Run1	NM_0058 81	BCKDK	branched chain ketoacid dehydrogenase kinase	0.637492	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0058 81	BCKDK	branched chain ketoacid dehydrogenase kinase	1.585186	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0058 81	BCKDK	branched chain ketoacid dehydrogenase kinase	1.702032	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0006 33	BCL2	B-cell CLL/lymphoma 2	-0.728366	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0006 33	BCL2	B-cell CLL/lymphoma 2	-0.620634	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0006 33	BCL2	B-cell CLL/lymphoma 2	-0.185498	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Cell Line	Log2 Fold Change	Category
siRNA Disorazole DMSO Run3	BCL2	CLL/lymphoma 2	-0.146919	Inlier
siRNA Disorazole DMSO Run1	BCL2	CLL/lymphoma 2	0.146919	Inlier
siRNA Disorazole DMSO Run2	BCL2	CLL/lymphoma 2	1.141072	Inlier
siRNA-Vinblastine Run1-DMSO	BCL2	CLL/lymphoma 2	1.592957	Inlier
siRNA-Vinblastine Run2-DMSO	BCL2	CLL/lymphoma 2	1.62838	Inlier
siRNA-Vinblastine Run2-DMSO	BCL2A1	BCL2-related protein A1	-1.036255	Inlier
siRNA Disorazole DMSO Run3	BCL2A1	BCL2-related protein A1	-0.597059	Inlier
siRNA-Temozolomide Run2-DMSO	BCL2A1	BCL2-related protein A1	-0.438589	Inlier
siRNA-Temozolomide Run1-DMSO	BCL2A1	BCL2-related protein A1	-0.326782	Inlier
siRNA Disorazole DMSO Run1	BCL2A1	BCL2-related protein A1	0.326781	Inlier
siRNA-Temozolomide Run3-DMSO	BCL2A1	BCL2-related protein A1	0.751941	Inlier
siRNA Disorazole DMSO Run2	BCL2A1	BCL2-related protein A1	1.054034	Inlier
siRNA-Vinblastine Run1-DMSO	BCL2A1	BCL2-related protein A1	1.119403	Inlier
siRNA-Temozolomide Run1-DMSO	BCL2L1	BCL2-like 1	-0.847918	Inlier
siRNA-Temozolomide Run3-DMSO	BCL2L1	BCL2-like 1	-0.742747	Inlier
siRNA Disorazole DMSO Run1	BCL2L1	BCL2-like 1	-0.284571	Inlier
siRNA Disorazole DMSO Run3	BCL2L1	BCL2-like 1	-0.078851	Inlier
siRNA-Temozolomide Run2-DMSO	BCL2L1	BCL2-like 1	0.078851	Inlier
siRNA-Vinblastine Run2-DMSO	BCL2L1	BCL2-like 1	0.606253	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA-Vinblastine Run1- DMSO	NM_1385 78	BCL2L1	BCL2-like 1	0.789875	Inlier
siRNA Disorazole DMSO Run2	NM_1385 78	BCL2L1	BCL2-like 1	0.82226	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0203 96	BCL2L10	BCL2-like 10 (apoptosis facilitator)	-1.215647	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0203 96	BCL2L10	BCL2-like 10 (apoptosis facilitator)	-0.813298	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0203 96	BCL2L10	BCL2-like 10 (apoptosis facilitator)	-0.129324	Inlier
siRNA Disorazole DMSO Run1	NM_0203 96	BCL2L10	BCL2-like 10 (apoptosis facilitator)	-0.081382	Inlier
siRNA Disorazole DMSO Run3	NM_0203 96	BCL2L10	BCL2-like 10 (apoptosis facilitator)	0.081382	Inlier
siRNA Disorazole DMSO Run2	NM_0203 96	BCL2L10	BCL2-like 10 (apoptosis facilitator)	0.535702	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0203 96	BCL2L10	BCL2-like 10 (apoptosis facilitator)	1.277169	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0203 96	BCL2L10	BCL2-like 10 (apoptosis facilitator)	1.344977	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1386 26	BCL2L11	BCL2-like 11 (apoptosis facilitator)	-3.159606	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_1386 26	BCL2L11	BCL2-like 11 (apoptosis facilitator)	-0.398616	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1386 26	BCL2L11	BCL2-like 11 (apoptosis facilitator)	-0.381012	Inlier
siRNA Disorazole DMSO Run1	NM_1386 26	BCL2L11	BCL2-like 11 (apoptosis facilitator)	-0.199667	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1386 26	BCL2L11	BCL2-like 11 (apoptosis facilitator)	0.199666	Inlier
siRNA Disorazole DMSO Run3	NM_1386 26	BCL2L11	BCL2-like 11 (apoptosis facilitator)	0.950384	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1386 26	BCL2L11	BCL2-like 11 (apoptosis facilitator)	0.96142	Inlier
siRNA Disorazole DMSO Run2	NM_1386 26	BCL2L11	BCL2-like 11 (apoptosis facilitator)	1.216539	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0528 42	BCL2L12	BCL2-like 12 (proline rich)	-2.075498	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0528 42	BCL2L12	BCL2-like 12 (proline rich)	-0.952366	Inlier
siRNA Disorazole DMSO Run3	NM_0528 42	BCL2L12	BCL2-like 12 (proline rich)	-0.435057	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0528 42	BCL2L12	BCL2-like 12 (proline rich)	-0.251171	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0528 42	BCL2L12	BCL2-like 12 (proline rich)	0.251171	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0528 42	BCL2L12	BCL2-like 12 (proline rich)	0.490346	Inlier
siRNA Disorazole DMSO Run2	NM_0528 42	BCL2L12	BCL2-like 12 (proline rich)	0.858654	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0528 42	BCL2L12	BCL2-like 12 (proline rich)	1.851765	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1387 23	BCL2L14	BCL2-like 14 (apoptosis facilitator)	-1.634295	Inlier
siRNA Disorazole DMSO Run3	NM_1387 23	BCL2L14	BCL2-like 14 (apoptosis facilitator)	-0.66636	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1387 23	BCL2L14	BCL2-like 14 (apoptosis facilitator)	-0.449517	Inlier
siRNA Disorazole DMSO Run2	NM_1387 23	BCL2L14	BCL2-like 14 (apoptosis facilitator)	-0.080803	Inlier
siRNA Disorazole DMSO Run1	NM_1387 23	BCL2L14	BCL2-like 14 (apoptosis facilitator)	0.080803	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1387 23	BCL2L14	BCL2-like 14 (apoptosis facilitator)	0.68264	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1387 23	BCL2L14	BCL2-like 14 (apoptosis facilitator)	0.781052	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			BCL2-like 14	
siRNA-Vinblastine Run1- DMSO	NM_1387 23	BCL2L14	(apoptosis facilitator)	2.015944 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0040 50	BCL2L2	BCL2-like 2	-0.83174 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0040 50	BCL2L2	BCL2-like 2	-0.764923 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0040 50	BCL2L2	BCL2-like 2	-0.693991 Inlier
siRNA Disorazole DMSO Run2	NM_0040 50	BCL2L2	BCL2-like 2	-0.05897 Inlier
siRNA Disorazole DMSO Run1	NM_0040 50	BCL2L2	BCL2-like 2	0.05897 Inlier
siRNA Disorazole DMSO Run3	NM_0040 50	BCL2L2	BCL2-like 2	0.20451 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0040 50	BCL2L2	BCL2-like 2	0.655009 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0040 50	BCL2L2	BCL2-like 2	0.758765 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0174 29	BCMO1	beta- carotene 15,15- monooxyg enase 1	-1.994813 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0174 29	BCMO1	beta- carotene 15,15- monooxyg enase 1	-1.73172 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0174 29	BCMO1	beta- carotene 15,15- monooxyg enase 1	-1.105569 Inlier
siRNA Disorazole DMSO Run1	NM_0174 29	BCMO1	beta- carotene 15,15- monooxyg enase 1	-0.009121 Inlier
siRNA Disorazole DMSO Run3	NM_0174 29	BCMO1	beta- carotene 15,15- monooxyg enase 1	0.009121 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0174 29	BCMO1	beta- carotene 15,15- monooxyg enase 1	0.114395 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0174 29	BCMO1	beta-carotene 15,15- monooxyg enase 1	0.243431	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0174 29	BCMO1	beta-carotene 15,15- monooxyg enase 1	1.21715	Inlier
siRNA Disorazole DMSO Run2	NM_0215 74	BCR	breakpoint cluster region	-0.814859	Inlier
siRNA Disorazole DMSO Run3	NM_0215 74	BCR	breakpoint cluster region	-0.741624	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0215 74	BCR	breakpoint cluster region	-0.719373	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0215 74	BCR	breakpoint cluster region	-0.082074	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0215 74	BCR	breakpoint cluster region	0.082075	Inlier
siRNA Disorazole DMSO Run1	NM_0215 74	BCR	breakpoint cluster region	0.182423	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0215 74	BCR	breakpoint cluster region	0.629627	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0215 74	BCR	breakpoint cluster region	0.814055	Inlier
siRNA Disorazole DMSO Run1	NM_0043 28	BCS1L	BCS1-like (yeast)	-1.930217	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0043 28	BCS1L	BCS1-like (yeast)	-0.784395	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0043 28	BCS1L	BCS1-like (yeast)	-0.564605	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0043 28	BCS1L	BCS1-like (yeast)	-0.157093	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0043 28	BCS1L	BCS1-like (yeast)	0.157094	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0043 28	BCS1L	BCS1-like (yeast)	0.453538	Inlier
siRNA Disorazole DMSO Run2	NM_0043 28	BCS1L	BCS1-like (yeast)	0.800379	Inlier
siRNA Disorazole DMSO Run3	NM_0043 28	BCS1L	BCS1-like (yeast)	1.55266	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_2033 15	BDH	3-hydroxybutyrate dehydrogenase (heart, mitochondrial)	-1.107766	Inlier
siRNA-Temozolomide Run2-DMSO	NM_2033 15	BDH	3-hydroxybutyrate dehydrogenase (heart, mitochondrial)	-0.810408	Inlier
siRNA Disorazole DMSO Run2	NM_2033 15	BDH	3-hydroxybutyrate dehydrogenase (heart, mitochondrial)	-0.538592	Inlier
siRNA Disorazole DMSO Run3	NM_2033 15	BDH	3-hydroxybutyrate dehydrogenase (heart, mitochondrial)	-0.020928	Inlier
siRNA-Temozolomide Run1-DMSO	NM_2033 15	BDH	3-hydroxybutyrate dehydrogenase (heart, mitochondrial)	0.020928	Inlier
siRNA Disorazole DMSO Run1	NM_2033 15	BDH	3-hydroxybutyrate dehydrogenase (heart, mitochondrial)	0.384815	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_2033 15	BDH	3-hydroxybutyrate dehydrogenase (heart, mitochondrial)	1.227425	Inlier
siRNA-Vinblastine Run2-DMSO	NM_2033 15	BDH	3-hydroxybutyrate dehydrogenase (heart, mitochondrial)	1.918906	Inlier
siRNA Disorazole DMSO Run2	NM_0007 10	BDKRB1	bradykinin receptor B1	-3.062792	Inlier
siRNA Disorazole DMSO Run1	NM_0007 10	BDKRB1	bradykinin receptor B1	-1.324647	Inlier
siRNA Disorazole DMSO Run3	NM_0007 10	BDKRB1	bradykinin receptor B1	-1.122408	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0007 10	BDKRB1	bradykinin receptor B1	-0.212231	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0007 10	BDKRB1	bradykinin receptor B1	0.212231	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0007 10	BDKRB1	bradykinin receptor B1	0.236281	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0007 10	BDKRB1	bradykinin receptor B1	0.403422	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0007 10	BDKRB1	bradykinin receptor B1	0.945578	Inlier
siRNA Disorazole DMSO Run2	NM_0006 23	BDKRB2	bradykinin receptor B2	-0.801876	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0006 23	BDKRB2	bradykinin receptor B2	-0.738368	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0006 23	BDKRB2	bradykinin receptor B2	-0.610632	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0006 23	BDKRB2	bradykinin receptor B2	-0.229784	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			bradykinin receptor		
siRNA Disorazole DMSO Run1	NM_0006 23	BDKRB2	B2	0.229784	Inlier
			bradykinin receptor		
siRNA Disorazole DMSO Run3	NM_0006 23	BDKRB2	B2	0.56337	Inlier
			bradykinin receptor		
siRNA-Vinblastine Run2-DMSO	NM_0006 23	BDKRB2	B2	1.350385	Inlier
			bradykinin receptor		
siRNA-Vinblastine Run1-DMSO	NM_0006 23	BDKRB2	B2	1.390137	Inlier
			B-factor, properdin		
siRNA-Temozolomide Run3-DMSO	NM_0017 10	BF	B-factor, properdin	-2.348867	Inlier
			B-factor, properdin		
siRNA Disorazole DMSO Run2	NM_0017 10	BF	B-factor, properdin	-1.549261	Inlier
			B-factor, properdin		
siRNA Disorazole DMSO Run1	NM_0017 10	BF	B-factor, properdin	-0.272918	Inlier
			B-factor, properdin		
siRNA-Temozolomide Run2-DMSO	NM_0017 10	BF	B-factor, properdin	-0.232403	Inlier
			B-factor, properdin		
siRNA-Vinblastine Run1-DMSO	NM_0017 10	BF	B-factor, properdin	0.232402	Inlier
			B-factor, properdin		
siRNA-Temozolomide Run1-DMSO	NM_0017 10	BF	B-factor, properdin	0.346343	Inlier
			B-factor, properdin		
siRNA-Vinblastine Run2-DMSO	NM_0017 10	BF	B-factor, properdin	1.002657	Inlier
			B-factor, properdin		
siRNA Disorazole DMSO Run3	NM_0017 10	BF	B-factor, properdin	1.30891	Inlier
			bone gamma-carboxyglutamate (gla) protein (osteocalcin)		
			bone gamma-carboxyglutamate (gla) protein (osteocalcin)		
siRNA-Temozolomide Run3-DMSO	NM_1991 73	BGLAP	bone gamma-carboxyglutamate (gla) protein (osteocalcin)	-1.30888	Inlier
			bone gamma-carboxyglutamate (gla) protein (osteocalcin)		
			bone gamma-carboxyglutamate (gla) protein (osteocalcin)		
siRNA Disorazole DMSO Run1	NM_1991 73	BGLAP	bone gamma-carboxyglutamate (gla) protein (osteocalcin)	-1.169191	Inlier
			bone gamma-carboxyglutamate (gla) protein (osteocalcin)		
			bone gamma-carboxyglutamate (gla) protein (osteocalcin)		
siRNA-Temozolomide Run1-DMSO	NM_1991 73	BGLAP	bone gamma-carboxyglutamate (gla) protein (osteocalcin)	-0.049936	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_199173	BGLAP	bone gamma-carboxyglutamate (gla) protein (osteocalcin)	-0.019365	Inlier
siRNA Disorazole DMSO Run3	NM_199173	BGLAP	bone gamma-carboxyglutamate (gla) protein (osteocalcin)	0.019365	Inlier
siRNA-Vinblastine Run2-DMSO	NM_199173	BGLAP	bone gamma-carboxyglutamate (gla) protein (osteocalcin)	0.179809	Inlier
siRNA Disorazole DMSO Run2	NM_199173	BGLAP	bone gamma-carboxyglutamate (gla) protein (osteocalcin)	4.103451	Outlier
siRNA-Vinblastine Run1-DMSO	NM_199173	BGLAP	bone gamma-carboxyglutamate (gla) protein (osteocalcin)	4.150354	Outlier
siRNA-Temozolomide Run2-DMSO	NM_001713	BHMT	betaine-homocysteine methyltransferase	-0.714837	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001713	BHMT	betaine-homocysteine methyltransferase	-0.634163	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0017 13	BHMT	betaine-homocysteine methyltransferase	-0.627441	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0017 13	BHMT	betaine-homocysteine methyltransferase	-0.189558	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0017 13	BHMT	betaine-homocysteine methyltransferase	0.189557	Inlier
siRNA Disorazole DMSO Run3	NM_0017 13	BHMT	betaine-homocysteine methyltransferase	1.274029	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0017 13	BHMT	betaine-homocysteine methyltransferase	2.283319	Inlier
siRNA Disorazole DMSO Run2	NM_0017 13	BHMT	betaine-homocysteine methyltransferase	3.930882	Outlier
siRNA Disorazole DMSO Run1	NM_0176 14	BHMT2	betaine-homocysteine methyltransferase 2	-0.978767	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0176 14	BHMT2	betaine-homocysteine methyltransferase 2	-0.787875	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0176 14	BHMT2	betaine-homocysteine methyltransferase 2	-0.326026	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0176 14	BHMT2	betaine-homocysteine methyltransferase 2	-0.28512	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0176 14	BHMT2	betaine-homocysteine methyltransferase 2	0.28512	Inlier
siRNA Disorazole DMSO Run2	NM_0176 14	BHMT2	betaine-homocysteine methyltransferase 2	0.561125	Inlier
siRNA Disorazole DMSO Run3	NM_0176 14	BHMT2	betaine-homocysteine methyltransferase 2	2.842306	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0176 14	BHMT2	betaine-homocysteine methyltransferase 2	3.285579	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0154 31	BIA2	tripartite motif-containing 58	-4.398761	Outlier
siRNA-Temozolomide Run1-DMSO	NM_0154 31	BIA2	tripartite motif-containing 58	-2.024573	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0154 31	BIA2	tripartite motif-containing 58	-0.983509	Inlier
siRNA Disorazole DMSO Run2	NM_0154 31	BIA2	tripartite motif-containing 58	-0.063515	Inlier
siRNA Disorazole DMSO Run1	NM_0154 31	BIA2	tripartite motif-containing 58	0.063515	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0154 31	BIA2	tripartite motif-containing 58	0.0641	Inlier
siRNA Disorazole DMSO Run3	NM_0154 31	BIA2	tripartite motif-containing 58	0.365491	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0154 31	BIA2	tripartite motif-containing 58	4.516523	Outlier
siRNA Disorazole DMSO Run3	NM_1979 67	BID	BH3 interacting domain death agonist BH3 interacting domain death agonist	-2.155925	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1979 67	BID	BH3 interacting domain death agonist BH3 interacting domain death agonist	-1.398215	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1979 67	BID	BH3 interacting domain death agonist BH3 interacting domain death agonist	-1.005337	Inlier
siRNA Disorazole DMSO Run1	NM_1979 67	BID	BH3 interacting domain death agonist BH3 interacting domain death agonist	-0.037954	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1979 67	BID	BH3 interacting domain death agonist BH3 interacting domain death agonist	0.037954	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1979 67	BID	BH3 interacting domain death agonist BH3 interacting domain death agonist	0.17599	Inlier
siRNA Disorazole DMSO Run2	NM_1979 67	BID	BH3 interacting domain death agonist BH3 interacting domain death agonist	0.434863	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1979 67	BID	BH3 interacting domain death agonist BH3 interacting domain death agonist	0.914137	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0011 97	BIK	BCL2-interacting killer (apoptosis-inducing)	-2.052081 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0011 97	BIK	BCL2-interacting killer (apoptosis-inducing)	-1.507066 Inlier
siRNA Disorazole DMSO Run3	NM_0011 97	BIK	BCL2-interacting killer (apoptosis-inducing)	-0.548044 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0011 97	BIK	BCL2-interacting killer (apoptosis-inducing)	-0.234562 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0011 97	BIK	BCL2-interacting killer (apoptosis-inducing)	0.234562 Inlier
siRNA Disorazole DMSO Run1	NM_0011 97	BIK	BCL2-interacting killer (apoptosis-inducing)	0.282877 Inlier
siRNA Disorazole DMSO Run2	NM_0011 97	BIK	BCL2-interacting killer (apoptosis-inducing)	0.800956 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0011 97	BIK	BCL2-interacting killer (apoptosis-inducing)	1.26035 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0011 67	BIRC4	baculoviral IAP repeat- containing 4	-0.745692 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0011 67	BIRC4	baculoviral IAP repeat- containing 4	-0.603308 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0011 67	BIRC4	baculoviral IAP repeat- containing 4	-0.535304 Inlier
siRNA Disorazole DMSO Run3	NM_0011 67	BIRC4	baculoviral IAP repeat- containing 4	-0.140655 Inlier
siRNA Disorazole DMSO Run1	NM_0011 67	BIRC4	baculoviral IAP repeat- containing 4	0.140655 Inlier
siRNA Disorazole DMSO Run2	NM_0011 67	BIRC4	baculoviral IAP repeat- containing 4	1.614406 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0011 67	BIRC4	baculoviral IAP repeat- containing 4	1.782842 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0011 67	BIRC4	baculoviral IAP repeat- containing 4	2.116952 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 12271	BIRC5	baculoviral IAP repeat- containing 5 (survivin)	-1.950697 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 12271	BIRC5	baculoviral IAP repeat- containing 5 (survivin)	-0.687574 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0010 12271	BIRC5	baculoviral IAP repeat-containing 5 (survivin)	-0.661426	Inlier
siRNA Disorazole DMSO Run1	NM_0010 12271	BIRC5	baculoviral IAP repeat-containing 5 (survivin)	-0.01721	Inlier
siRNA Disorazole DMSO Run3	NM_0010 12271	BIRC5	baculoviral IAP repeat-containing 5 (survivin)	0.01721	Inlier
siRNA Disorazole DMSO Run2	NM_0010 12271	BIRC5	baculoviral IAP repeat-containing 5 (survivin)	0.535061	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 12271	BIRC5	baculoviral IAP repeat-containing 5 (survivin)	1.942677	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 12271	BIRC5	baculoviral IAP repeat-containing 5 (survivin)	1.969913	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1393 17	BIRC7	baculoviral IAP repeat-containing 7 (livin)	-0.955389	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1393 17	BIRC7	baculoviral IAP repeat-containing 7 (livin)	-0.654043	Inlier
siRNA Disorazole DMSO Run1	NM_1393 17	BIRC7	baculoviral IAP repeat-containing 7 (livin)	-0.625582	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_1393 17	BIRC7	baculoviral IAP repeat-containing 7 (livin)	-0.159636	Inlier
siRNA Disorazole DMSO Run2	NM_1393 17	BIRC7	baculoviral IAP repeat-containing 7 (livin)	0.159637	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1393 17	BIRC7	baculoviral IAP repeat-containing 7 (livin)	0.694957	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1393 17	BIRC7	baculoviral IAP repeat-containing 7 (livin)	0.847094	Inlier
siRNA Disorazole DMSO Run3	NM_1393 17	BIRC7	baculoviral IAP repeat-containing 7 (livin) B	2.597458	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0017 15	BLK	lymphoid tyrosine kinase B	-1.897072	Inlier
siRNA Disorazole DMSO Run2	NM_0017 15	BLK	lymphoid tyrosine kinase B	-0.948658	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0017 15	BLK	lymphoid tyrosine kinase B	-0.60009	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0017 15	BLK	lymphoid tyrosine kinase B	-0.356934	Inlier
siRNA Disorazole DMSO Run1	NM_0017 15	BLK	lymphoid tyrosine kinase B	0.356934	Inlier
siRNA Disorazole DMSO Run3	NM_0017 15	BLK	lymphoid tyrosine kinase	0.413168	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0017 15	BLK	B lymphoid tyrosine kinase	0.74891	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0017 15	BLK	B lymphoid tyrosine kinase	1.344797	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0000 57	BLM	Bloom syndrome	-2.446938	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0000 57	BLM	Bloom syndrome	-1.83425	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0000 57	BLM	Bloom syndrome	-0.893301	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0000 57	BLM	Bloom syndrome	-0.163634	Inlier
siRNA Disorazole DMSO Run1	NM_0000 57	BLM	Bloom syndrome	0.163634	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0000 57	BLM	Bloom syndrome	0.330295	Inlier
siRNA Disorazole DMSO Run3	NM_0000 57	BLM	Bloom syndrome	0.455699	Inlier
siRNA Disorazole DMSO Run2	NM_0000 57	BLM	Bloom syndrome	1.202013	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0003 86	BLMH	bleomycin hydrolase	-1.915843	Inlier
siRNA Disorazole DMSO Run2	NM_0003 86	BLMH	bleomycin hydrolase	-0.811321	Inlier
siRNA Disorazole DMSO Run1	NM_0003 86	BLMH	bleomycin hydrolase	-0.610853	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0003 86	BLMH	bleomycin hydrolase	-0.088779	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0003 86	BLMH	bleomycin hydrolase	0.088779	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0003 86	BLMH	bleomycin hydrolase	0.181052	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0003 86	BLMH	bleomycin hydrolase	0.738147	Inlier
siRNA Disorazole DMSO Run3	NM_0003 86	BLMH	bleomycin hydrolase	1.459305	Inlier
siRNA Disorazole DMSO Run2	NM_0329 66	BLR1	Burkitt lymphoma receptor 1, GTP binding protein (chemokine (C-X-C motif) receptor 5)	-9.003514	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0329 66	BLR1	Burkitt lymphoma receptor 1, GTP binding protein (chemokine (C-X-C motif) receptor 5)	-0.987946	Inlier
siRNA Disorazole DMSO Run1	NM_0329 66	BLR1	Burkitt lymphoma receptor 1, GTP binding protein (chemokine (C-X-C motif) receptor 5)	-0.573512	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0329 66	BLR1	Burkitt lymphoma receptor 1, GTP binding protein (chemokine (C-X-C motif) receptor 5)	-0.521373	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0329 66	BLR1	Burkitt lymphoma receptor 1, GTP binding protein (chemokine (C-X-C motif) receptor 5)	0.521373	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_032966	BLR1	Burkitt lymphoma receptor 1, GTP binding protein (chemokine (C-X-C motif) receptor 5)	0.646967	Inlier
siRNA-Temozolomide Run2-DMSO	NM_032966	BLR1	Burkitt lymphoma receptor 1, GTP binding protein (chemokine (C-X-C motif) receptor 5)	0.702033	Inlier
siRNA Disorazole DMSO Run3	NM_032966	BLR1	Burkitt lymphoma receptor 1, GTP binding protein (chemokine (C-X-C motif) receptor 5)	0.827979	Inlier
siRNA Disorazole DMSO Run1	NM_000712	BLVRA	biliverdin reductase A	-1.41224	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000712	BLVRA	biliverdin reductase A	-0.448594	Inlier
siRNA Disorazole DMSO Run3	NM_000712	BLVRA	biliverdin reductase A	-0.397016	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000712	BLVRA	biliverdin reductase A	-0.135837	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000712	BLVRA	biliverdin reductase A	0.135837	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000712	BLVRA	biliverdin reductase A	0.900406	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology siRNA-Vinblastine Run2- DMSO	NM_0007 12	BLVRA	biliverdin reductase A	1.516381	Inlier
siRNA Disorazole DMSO Run2	NM_0007 12	BLVRA	biliverdin reductase A	5.22491	Outlier
siRNA-Temozolomide Run3- DMSO	NM_0007 13	BLVRB	biliverdin reductase B (flavin reductase (NADPH))	-2.165436	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0007 13	BLVRB	biliverdin reductase B (flavin reductase (NADPH))	-0.577446	Inlier
siRNA Disorazole DMSO Run1	NM_0007 13	BLVRB	biliverdin reductase B (flavin reductase (NADPH))	-0.329423	Inlier
siRNA Disorazole DMSO Run3	NM_0007 13	BLVRB	biliverdin reductase B (flavin reductase (NADPH))	-0.156419	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0007 13	BLVRB	biliverdin reductase B (flavin reductase (NADPH))	0.156419	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0007 13	BLVRB	biliverdin reductase B (flavin reductase (NADPH))	0.771554	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0007 13	BLVRB	biliverdin reductase B (flavin reductase (NADPH))	1.943233	Inlier
siRNA Disorazole DMSO Run2	NM_0007 13	BLVRB	biliverdin reductase B (flavin reductase (NADPH))	2.945472	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0061 29	BMP1	bone morphoge netic protein 1	-1.624949	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0061 29	BMP1	bone morphogenetic protein 1	-1.058541	Inlier
siRNA Disorazole DMSO Run1	NM_0061 29	BMP1	bone morphogenetic protein 1	-0.290459	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0061 29	BMP1	bone morphogenetic protein 1	-0.013271	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0061 29	BMP1	bone morphogenetic protein 1	0.013271	Inlier
siRNA Disorazole DMSO Run3	NM_0061 29	BMP1	bone morphogenetic protein 1	0.151786	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0061 29	BMP1	bone morphogenetic protein 1	1.285159	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0061 29	BMP1	bone morphogenetic protein 1	1.433287	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1988 92	BMP2K	inducible BMP2 kinase	-1.487295	Inlier
siRNA Disorazole DMSO Run2	NM_1988 92	BMP2K	inducible BMP2 kinase	-1.157845	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1988 92	BMP2K	inducible BMP2 kinase	-0.079416	Inlier
siRNA Disorazole DMSO Run1	NM_1988 92	BMP2K	inducible BMP2 kinase	-0.057626	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1988 92	BMP2K	inducible BMP2 kinase	0.057626	Inlier
siRNA Disorazole DMSO Run3	NM_1988 92	BMP2K	inducible BMP2 kinase	0.191155	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1988 92	BMP2K	inducible BMP2 kinase	2.219821	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1988 92	BMP2K	inducible BMP2 kinase	2.378125	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log Fold Change	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_004329	BMPR1A	bone morphogenetic protein receptor, type IA	-1.307838	Inlier
siRNA Disorazole DMSO Run2	NM_004329	BMPR1A	bone morphogenetic protein receptor, type IA	-0.895028	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004329	BMPR1A	bone morphogenetic protein receptor, type IA	-0.105117	Inlier
siRNA Disorazole DMSO Run3	NM_004329	BMPR1A	bone morphogenetic protein receptor, type IA	-0.053753	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004329	BMPR1A	bone morphogenetic protein receptor, type IA	0.053753	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004329	BMPR1A	bone morphogenetic protein receptor, type IA	0.67401	Inlier
siRNA Disorazole DMSO Run1	NM_004329	BMPR1A	bone morphogenetic protein receptor, type IA	0.67499	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004329	BMPR1A	bone morphogenetic protein receptor, type IA	2.196635	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Description	Log Fold Change	Outlier Status
siRNA Disorazole DMSO Run2	BMPR1B	NM_001203	bone morphogenetic protein receptor, type IB	-1.418717	Inlier
siRNA-Temozolomide Run2-DMSO	BMPR1B	NM_001203	bone morphogenetic protein receptor, type IB	-0.523698	Inlier
siRNA-Temozolomide Run3-DMSO	BMPR1B	NM_001203	bone morphogenetic protein receptor, type IB	-0.450342	Inlier
siRNA-Temozolomide Run1-DMSO	BMPR1B	NM_001203	bone morphogenetic protein receptor, type IB	-0.251718	Inlier
siRNA Disorazole DMSO Run1	BMPR1B	NM_001203	bone morphogenetic protein receptor, type IB	0.251718	Inlier
siRNA-Vinblastine Run1-DMSO	BMPR1B	NM_001203	bone morphogenetic protein receptor, type IB	0.825302	Inlier
siRNA Disorazole DMSO Run3	BMPR1B	NM_001203	bone morphogenetic protein receptor, type IB	1.386756	Inlier
siRNA-Vinblastine Run2-DMSO	BMPR1B	NM_001203	bone morphogenetic protein receptor, type IB	1.457218	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Log Fold Change	Category
siRNA Disorazole DMSO Run2	NM_033346	BMPR2	-2.14729	Inlier
siRNA-Temozolomide Run3-DMSO	NM_033346	BMPR2	-1.39956	Inlier
siRNA-Temozolomide Run2-DMSO	NM_033346	BMPR2	-0.674973	Inlier
siRNA-Vinblastine Run1-DMSO	NM_033346	BMPR2	-0.008316	Inlier
siRNA-Temozolomide Run1-DMSO	NM_033346	BMPR2	0.008316	Inlier

bone morphogenetic protein receptor, type II (serine/threonine kinase)
 bone morphogenetic protein receptor, type II (serine/threonine kinase)
 bone morphogenetic protein receptor, type II (serine/threonine kinase)
 bone morphogenetic protein receptor, type II (serine/threonine kinase)
 bone morphogenetic protein receptor, type II (serine/threonine kinase)

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0333 46	BMPR2	bone morphogenetic protein receptor, type II (serine/threonine kinase)	0.469082	Inlier
siRNA Disorazole DMSO Run3	NM_0333 46	BMPR2	bone morphogenetic protein receptor, type II (serine/threonine kinase)	0.674027	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0333 46	BMPR2	bone morphogenetic protein receptor, type II (serine/threonine kinase)	1.376915	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0017 21	BMX	BMX non-receptor tyrosine kinase	-1.027443	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0017 21	BMX	BMX non-receptor tyrosine kinase	-0.850734	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0017 21	BMX	BMX non-receptor tyrosine kinase	-0.498266	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0017 21	BMX	BMX non-receptor tyrosine kinase	-0.121065	Inlier
siRNA Disorazole DMSO Run1	NM_0017 21	BMX	BMX non-receptor tyrosine kinase	0.121064	Inlier
siRNA Disorazole DMSO Run3	NM_0017 21	BMX	BMX non-receptor tyrosine kinase	0.452652	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0017 21	BMX	BMX non-receptor tyrosine kinase	1.490851	Inlier
siRNA Disorazole DMSO Run2	NM_0017 21	BMX	BMX non-receptor tyrosine kinase	1.503166	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0139 79	BNIP1	BCL2/adenovirus E1B 19kDa interacting protein 1	-1.848356	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0139 79	BNIP1	BCL2/adenovirus E1B 19kDa interacting protein 1	-0.72608	Inlier
siRNA Disorazole DMSO Run3	NM_0139 79	BNIP1	BCL2/adenovirus E1B 19kDa interacting protein 1	-0.62292	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0139 79	BNIP1	BCL2/adenovirus E1B 19kDa interacting protein 1	-0.059617	Inlier
siRNA Disorazole DMSO Run1	NM_0139 79	BNIP1	BCL2/adenovirus E1B 19kDa interacting protein 1	0.059617	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0139 79	BNIP1	BCL2/adenovirus E1B 19kDa interacting protein 1	0.340822	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0139 79	BNIP1	BCL2/adenovirus E1B 19kDa interacting protein 1	1.016366	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0139 79	BNIP1	BCL2/adenovirus E1B 19kDa interacting protein 1	1.282068	Inlier
siRNA Disorazole DMSO Run1	NM_0332 54	BOC	BOC	-1.854057	Inlier
siRNA Disorazole DMSO Run3	NM_0332 54	BOC	BOC	-0.828744	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0332 54	BOC	BOC	-0.480564	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0332 54	BOC	BOC	-0.126893	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0332 54	BOC	BOC	0.126891	Inlier
siRNA Disorazole DMSO Run2	NM_0332 54	BOC	BOC	0.520256	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0332 54	BOC	BOC	1.095633	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0332 54	BOC	BOC	5.299061	Outlier
siRNA-Temozolomide Run1-DMSO	NM_0325 15	BOK	BCL2-related ovarian killer	-1.761089	Inlier
siRNA Disorazole DMSO Run3	NM_0325 15	BOK	BCL2-related ovarian killer	-1.065904	Inlier
siRNA Disorazole DMSO Run1	NM_0325 15	BOK	BCL2-related ovarian killer	-0.942727	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0325 15	BOK	BCL2-related ovarian killer	-0.096013	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0325 15	BOK	BCL2-related ovarian killer	0.096011	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0325 15	BOK	BCL2- related ovarian killer	0.346323 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0325 15	BOK	BCL2- related ovarian killer	0.406273 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0325 15	BOK	BCL2- related ovarian killer	1.900649 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0017 24	BPGM	2,3- bisphosph oglycerate mutase	-0.807501 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0017 24	BPGM	2,3- bisphosph oglycerate mutase	-0.541499 Inlier
siRNA Disorazole DMSO Run3	NM_0017 24	BPGM	2,3- bisphosph oglycerate mutase	-0.497904 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0017 24	BPGM	2,3- bisphosph oglycerate mutase	-0.456173 Inlier
siRNA Disorazole DMSO Run1	NM_0017 24	BPGM	2,3- bisphosph oglycerate mutase	0.456173 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0017 24	BPGM	2,3- bisphosph oglycerate mutase	0.915991 Inlier
siRNA Disorazole DMSO Run2	NM_0017 24	BPGM	2,3- bisphosph oglycerate mutase	3.064998 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0017 24	BPGM	2,3- bisphosph oglycerate mutase	3.135168 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_004332	BPHL	biphenyl hydrolase-like (serine hydrolase; breast epithelial mucin-associated antigen)	-1.255097	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004332	BPHL	biphenyl hydrolase-like (serine hydrolase; breast epithelial mucin-associated antigen)	-0.772447	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004332	BPHL	biphenyl hydrolase-like (serine hydrolase; breast epithelial mucin-associated antigen)	-0.18533	Inlier
siRNA Disorazole DMSO Run1	NM_004332	BPHL	biphenyl hydrolase-like (serine hydrolase; breast epithelial mucin-associated antigen)	-0.087134	Inlier
siRNA Disorazole DMSO Run3	NM_004332	BPHL	biphenyl hydrolase-like (serine hydrolase; breast epithelial mucin-associated antigen)	0.087134	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_004332	BPHL	biphenyl hydrolase-like (serine hydrolase; breast epithelial mucin-associated antigen)	0.576553	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004332	BPHL	biphenyl hydrolase-like (serine hydrolase; breast epithelial mucin-associated antigen)	4.855536	Outlier
siRNA Disorazole DMSO Run2	NM_004332	BPHL	biphenyl hydrolase-like (serine hydrolase; breast epithelial mucin-associated antigen)	5.272033	Outlier
siRNA-Temozolomide Run3-DMSO	NM_001725	BPI	bactericidal/permeability-increasing protein	-1.228809	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001725	BPI	bactericidal/permeability-increasing protein	-0.74783	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001725	BPI	bactericidal/permeability-increasing protein	-0.60117	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001725	BPI	bactericidal/permeability-increasing protein	-0.41993	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0017 25	BPI	bactericida l/permeabi lity- increasing protein	0.41993	Inlier
siRNA Disorazole DMSO Run1	NM_0017 25	BPI	bactericida l/permeabi lity- increasing protein	0.462603	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0017 25	BPI	bactericida l/permeabi lity- increasing protein	1.502814	Inlier
siRNA Disorazole DMSO Run2	NM_0017 25	BPI	bactericida l/permeabi lity- increasing protein	2.033226	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0252 27	BPIL1	protein- like 1 bactericida l/permeabi lity- increasing	-3.216271	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0252 27	BPIL1	protein- like 1 bactericida l/permeabi lity- increasing	-2.536337	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0252 27	BPIL1	protein- like 1 bactericida l/permeabi lity- increasing	-0.499422	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0252 27	BPIL1	protein- like 1 bactericida l/permeabi lity- increasing	-0.29651	Inlier
siRNA Disorazole DMSO Run3	NM_0252 27	BPIL1	protein- like 1	0.29651	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0252 27	BPIL1	bactericida l/permeabi lity- increasing protein- like 1	0.310361	Inlier
siRNA Disorazole DMSO Run1	NM_0252 27	BPIL1	bactericida l/permeabi lity- increasing protein- like 1	0.849578	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0252 27	BPIL1	bactericida l/permeabi lity- increasing protein- like 1	2.502409	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1749 32	BPIL2	bactericida l/permeabi lity- increasing protein- like 2	-1.352632	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1749 32	BPIL2	bactericida l/permeabi lity- increasing protein- like 2	-0.964014	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1749 32	BPIL2	bactericida l/permeabi lity- increasing protein- like 2	-0.223969	Inlier
siRNA Disorazole DMSO Run3	NM_1749 32	BPIL2	bactericida l/permeabi lity- increasing protein- like 2	-0.192099	Inlier
siRNA Disorazole DMSO Run2	NM_1749 32	BPIL2	bactericida l/permeabi lity- increasing protein- like 2	0.192098	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1749 32	BPIL2	bactericida l/permeabi lity- increasing protein- like 2	0.384986	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1749 32	BPIL2	bactericida l/permeabi lity- increasing protein- like 2	1.292204	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1749 32	BPIL2	bactericida l/permeabi lity- increasing protein- like 2	1.820194	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1748 97	BPIL3	bactericida l/permeabi lity- increasing protein- like 3	-0.926736	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1748 97	BPIL3	bactericida l/permeabi lity- increasing protein- like 3	-0.704134	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1748 97	BPIL3	bactericida l/permeabi lity- increasing protein- like 3	-0.40408	Inlier
siRNA Disorazole DMSO Run3	NM_1748 97	BPIL3	bactericida l/permeabi lity- increasing protein- like 3	-0.360981	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1748 97	BPIL3	bactericida l/permeabi lity- increasing protein- like 3	0.360981	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1748 97	BPIL3	bactericida l/permeabi lity- increasing protein- like 3	0.644866	Inlier
siRNA Disorazole DMSO Run2	NM_1748 97	BPIL3	bactericida l/permeabi lity- increasing protein- like 3	1.865914	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1748 97	BPIL3	bactericida l/permeabi lity- increasing protein- like 3	2.202231	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0060 85	BPNT1	3(2), 5- bisphosph ate nucleotida se 1	-1.656434	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0060 85	BPNT1	3(2), 5- bisphosph ate nucleotida se 1	-1.467769	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0060 85	BPNT1	3(2), 5- bisphosph ate nucleotida se 1	-0.633071	Inlier
siRNA Disorazole DMSO Run1	NM_0060 85	BPNT1	3(2), 5- bisphosph ate nucleotida se 1	-0.205118	Inlier
siRNA Disorazole DMSO Run3	NM_0060 85	BPNT1	3(2), 5- bisphosph ate nucleotida se 1	0.205118	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0060 85	BPNT1	nucleotida se 1	0.431783	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0060 85	BPNT1	3(2), 5-bisphosphate nucleotide se 1	0.715929	Inlier
siRNA Disorazole DMSO Run2	NM_0060 85	BPNT1	3(2), 5-bisphosphate nucleotide se 1	1.077472	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0043 33	BRAF	v-raf murine sarcoma viral oncogene homolog B1	-1.488575	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0043 33	BRAF	v-raf murine sarcoma viral oncogene homolog B1	-0.76036	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0043 33	BRAF	v-raf murine sarcoma viral oncogene homolog B1	-0.206809	Inlier
siRNA Disorazole DMSO Run3	NM_0043 33	BRAF	v-raf murine sarcoma viral oncogene homolog B1	-0.069192	Inlier
siRNA Disorazole DMSO Run1	NM_0043 33	BRAF	v-raf murine sarcoma viral oncogene homolog B1	0.069192	Inlier
siRNA Disorazole DMSO Run2	NM_0043 33	BRAF	v-raf murine sarcoma viral oncogene homolog B1	0.58864	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_004333	BRAF	v-raf murine sarcoma viral oncogene homolog B1	1.18289	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004333	BRAF	v-raf murine sarcoma viral oncogene homolog B1	1.255549	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005104	BRD2	bromodom ain containing 2	-0.899112	Inlier
siRNA Disorazole DMSO Run2	NM_005104	BRD2	bromodom ain containing 2	-0.825236	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005104	BRD2	bromodom ain containing 2	-0.525557	Inlier
siRNA Disorazole DMSO Run3	NM_005104	BRD2	bromodom ain containing 2	-0.074003	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005104	BRD2	bromodom ain containing 2	0.074003	Inlier
siRNA Disorazole DMSO Run1	NM_005104	BRD2	bromodom ain containing 2	0.417453	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005104	BRD2	bromodom ain containing 2	0.823443	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005104	BRD2	bromodom ain containing 2	0.949748	Inlier
siRNA-Temozolomide Run3-DMSO	NM_007371	BRD3	ain containing 3	-1.164419	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0073 71	BRD3	bromodom ain containing 3	-0.695763	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0073 71	BRD3	bromodom ain containing 3	-0.633193	Inlier
siRNA Disorazole DMSO Run3	NM_0073 71	BRD3	bromodom ain containing 3	-0.563887	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0073 71	BRD3	bromodom ain containing 3	0.563887	Inlier
siRNA Disorazole DMSO Run1	NM_0073 71	BRD3	bromodom ain containing 3	0.653237	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0073 71	BRD3	bromodom ain containing 3	1.775357	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0073 71	BRD3	bromodom ain containing 3	2.228336	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0582 43	BRD4	bromodom ain containing 4	-0.958952	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0582 43	BRD4	bromodom ain containing 4	-0.803543	Inlier
siRNA Disorazole DMSO Run2	NM_0582 43	BRD4	bromodom ain containing 4	-0.545457	Inlier
siRNA Disorazole DMSO Run3	NM_0582 43	BRD4	bromodom ain containing 4	-0.442922	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0582 43	BRD4	bromodom ain containing 4	0.442922	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0582 43	BRD4	bromodom ain containing 4	0.528578	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0582 43	BRD4	bromodom ain containing 4	0.854414	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0582 43	BRD4	bromodom ain containing 4	1.034979	Inlier
siRNA Disorazole DMSO Run3	NM_1391 99	BRD8	bromodom ain containing 8	-4.634412	Outlier
siRNA-Temozolomide Run3- DMSO	NM_1391 99	BRD8	bromodom ain containing 8	-1.118583	Inlier
siRNA Disorazole DMSO Run2	NM_1391 99	BRD8	bromodom ain containing 8	-0.672761	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1391 99	BRD8	bromodom ain containing 8	-0.022313	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1391 99	BRD8	bromodom ain containing 8	0.022313	Inlier
siRNA Disorazole DMSO Run1	NM_1391 99	BRD8	bromodom ain containing 8	0.21307	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1391 99	BRD8	bromodom ain containing 8	0.676238	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1391 99	BRD8	bromodom ain containing 8	1.531007	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0017 26	BRDT	bromodom ain, testis- specific	-0.768057	Inlier
siRNA Disorazole DMSO Run2	NM_0017 26	BRDT	bromodom ain, testis- specific	-0.590615	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0017 26	BRDT	bromodom ain, testis- specific	-0.043627	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0017 26	BRDT	bromodom ain, testis- specific	-0.00849	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0017 26	BRDT	bromodom ain, testis- specific	0.00849	Inlier
siRNA Disorazole DMSO Run1	NM_0017 26	BRDT	bromodom ain, testis- specific	0.758385	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0017 26	BRDT	bromodom ain, testis- specific	0.863381	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0017 26	BRDT	bromodom ain, testis- specific	1.058124	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0017 27	BRS3	bromodom ain, testis- specific bombesin- like	-0.986157	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0017 27	BRS3	receptor 3 bombesin- like	-0.696195	Inlier
siRNA Disorazole DMSO Run2	NM_0017 27	BRS3	receptor 3 bombesin- like	-0.652805	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0017 27	BRS3	receptor 3 bombesin- like	-0.29564	Inlier
siRNA Disorazole DMSO Run3	NM_0017 27	BRS3	receptor 3 bombesin- like	0.29564	Inlier
siRNA Disorazole DMSO Run1	NM_0017 27	BRS3	receptor 3 bombesin- like	0.5958	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0017 27	BRS3	receptor 3 bombesin- like	2.958205	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0017 27	BRS3	receptor 3 bombesin- like	3.1503	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0043 34	BST1	bone marrow stromal cell antigen 1	-0.806889	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0043 34	BST1	bone marrow stromal cell antigen 1	-0.542111	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0043 34	BST1	bone marrow stromal cell antigen 1	-0.389068	Inlier
siRNA Disorazole DMSO Run3	NM_0043 34	BST1	bone marrow stromal cell antigen 1	-0.115419	Inlier
siRNA Disorazole DMSO Run1	NM_0043 34	BST1	bone marrow stromal cell antigen 1	0.115419	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0043 34	BST1	bone marrow stromal cell antigen 1	1.003063	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0043 34	BST1	bone marrow stromal cell antigen 1	7.717659	Outlier
siRNA Disorazole DMSO Run2	NM_0043 34	BST1	bone marrow stromal cell antigen 1	10.34431	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0000 60	BTD	biotinidase	-1.633615	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0000 60	BTD	biotinidase	-0.90415	Inlier
siRNA Disorazole DMSO Run1	NM_0000 60	BTD	biotinidase	-0.44485	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0000 60	BTD	biotinidase	-0.076408	Inlier
siRNA Disorazole DMSO Run3	NM_0000 60	BTD	biotinidase	0.076408	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0000 60	BTD	biotinidase	0.174981	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0000 60	BTD	biotinidase	1.834932	Inlier
siRNA Disorazole DMSO Run2	NM_0000 60	BTD	biotinidase	2.082141	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_000061	BTK	Bruton agammaglobulinemia tyrosine kinase	-0.735019	Inlier
siRNA Disorazole DMSO Run2	NM_000061	BTK	Bruton agammaglobulinemia tyrosine kinase	-0.613981	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000061	BTK	Bruton agammaglobulinemia tyrosine kinase	-0.295773	Inlier
siRNA Disorazole DMSO Run3	NM_000061	BTK	Bruton agammaglobulinemia tyrosine kinase	-0.111173	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000061	BTK	Bruton agammaglobulinemia tyrosine kinase	0.111173	Inlier
siRNA Disorazole DMSO Run1	NM_000061	BTK	Bruton agammaglobulinemia tyrosine kinase	1.321034	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000061	BTK	Bruton agammaglobulinemia tyrosine kinase	1.623382	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000061	BTK	Bruton agammaglobulinemia tyrosine kinase	2.100164	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001732	BTN1A1	butyrophilin, subfamily 1, member A1	-2.463676	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001732	BTN1A1	butyrophilin, subfamily 1, member A1	-1.520475	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0017 32	BTN1A1	butyrophilin, subfamily 1, member A1	-0.770988	Inlier
siRNA Disorazole DMSO Run3	NM_0017 32	BTN1A1	butyrophilin, subfamily 1, member A1	-0.13914	Inlier
siRNA Disorazole DMSO Run1	NM_0017 32	BTN1A1	butyrophilin, subfamily 1, member A1	0.13914	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0017 32	BTN1A1	butyrophilin, subfamily 1, member A1	0.229466	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0017 32	BTN1A1	butyrophilin, subfamily 1, member A1	0.578012	Inlier
siRNA Disorazole DMSO Run2	NM_0017 32	BTN1A1	butyrophilin, subfamily 1, member A1	1.186218	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0784 76	BTN2A1	butyrophilin, subfamily 2, member A1	-1.528636	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0784 76	BTN2A1	butyrophilin, subfamily 2, member A1	-1.316287	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0784 76	BTN2A1	butyrophilin, subfamily 2, member A1	-0.032713	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0784 76	BTN2A1	butyrophilin, subfamily 2, member A1	-0.009251	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0784 76	BTN2A1	butyrophilin, subfamily 2, member A1	0.00925	Inlier
siRNA Disorazole DMSO Run1	NM_0784 76	BTN2A1	butyrophilin, subfamily 2, member A1	0.032052	Inlier
siRNA Disorazole DMSO Run2	NM_0784 76	BTN2A1	butyrophilin, subfamily 2, member A1	2.03238	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0784 76	BTN2A1	butyrophilin, subfamily 2, member A1	2.345408	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1815 31	BTN2A2	butyrophilin, subfamily 2, member A2	-1.437225	Inlier
siRNA Disorazole DMSO Run3	NM_1815 31	BTN2A2	butyrophilin, subfamily 2, member A2	-0.62372	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1815 31	BTN2A2	butyrophilin, subfamily 2, member A2	-0.525557	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1815 31	BTN2A2	butyrophilin, subfamily 2, member A2	-0.040215	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1815 31	BTN2A2	butyrophilin, subfamily 2, member A2	0.040215	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1815 31	BTN2A2	butyrophilin, subfamily 2, member A2	0.72528	Inlier
siRNA Disorazole DMSO Run2	NM_1815 31	BTN2A2	butyrophilin, subfamily 2, member A2	1.577274	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1815 31	BTN2A2	butyrophilin, subfamily 2, member A2	1.83073	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0240 18	BTN2A3	butyrophilin, subfamily 2, member A3	-0.992843	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0240 18	BTN2A3	butyrophilin, subfamily 2, member A3	-0.356157	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0240 18	BTN2A3	butyrophilin, subfamily 2, member A3	-0.281251	Inlier
siRNA Disorazole DMSO Run3	NM_0240 18	BTN2A3	butyrophilin, subfamily 2, member A3	-0.231324	Inlier
siRNA Disorazole DMSO Run1	NM_0240 18	BTN2A3	butyrophilin, subfamily 2, member A3	0.231325	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0240 18	BTN2A3	butyrophilin, subfamily 2, member A3	4.644249	Outlier
siRNA Disorazole DMSO Run2	NM_0240 18	BTN2A3	butyrophilin, subfamily 2, member A3	23.58529	Outlier
siRNA-Vinblastine Run1-DMSO	NM_0240 18	BTN2A3	butyrophilin, subfamily 2, member A3	40.55259	Outlier
siRNA Disorazole DMSO Run1	NM_1944 41	BTN3A1	butyrophilin, subfamily 3, member A1	-0.764464	Inlier
siRNA Disorazole DMSO Run2	NM_1944 41	BTN3A1	butyrophilin, subfamily 3, member A1	-0.584536	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_1944 41	BTN3A1	butyrophilin, subfamily 3, member A1	-0.401698	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1944 41	BTN3A1	butyrophilin, subfamily 3, member A1	-0.207508	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1944 41	BTN3A1	butyrophilin, subfamily 3, member A1	0.207506	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1944 41	BTN3A1	butyrophilin, subfamily 3, member A1	1.178854	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1944 41	BTN3A1	butyrophilin, subfamily 3, member A1	1.200482	Inlier
siRNA Disorazole DMSO Run3	NM_1944 41	BTN3A1	butyrophilin, subfamily 3, member A1	1.827141	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0070 47	BTN3A2	butyrophilin, subfamily 3, member A2	-0.753859	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0070 47	BTN3A2	butyrophilin, subfamily 3, member A2	-0.595141	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0070 47	BTN3A2	butyrophilin, subfamily 3, member A2	-0.373753	Inlier
siRNA Disorazole DMSO Run3	NM_0070 47	BTN3A2	butyrophilin, subfamily 3, member A2	-0.099255	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0070 47	BTN3A2	butyrophilin, subfamily 3, member A2	0.099255	Inlier
siRNA Disorazole DMSO Run1	NM_0070 47	BTN3A2	butyrophilin, subfamily 3, member A2	0.817892	Inlier
siRNA Disorazole DMSO Run2	NM_0070 47	BTN3A2	butyrophilin, subfamily 3, member A2	2.284562	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0070 47	BTN3A2	butyrophilin, subfamily 3, member A2	2.702556	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1979 74	BTN3A3	butyrophilin, subfamily 3, member A3	-2.550921	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1979 74	BTN3A3	butyrophilin, subfamily 3, member A3	-1.625897	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1979 74	BTN3A3	butyrophilin, subfamily 3, member A3	-0.414181	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1979 74	BTN3A3	butyrophilin, subfamily 3, member A3	-0.118108	Inlier
siRNA Disorazole DMSO Run3	NM_1979 74	BTN3A3	butyrophilin, subfamily 3, member A3	0.118109	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1979 74	BTN3A3	butyrophilin, subfamily 3, member A3	0.439813	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1979 74	BTN3A3	butyrophilin, subfamily 3, member A3	0.909187	Inlier
siRNA Disorazole DMSO Run2	NM_1979 74	BTN3A3	butyrophilin, subfamily 3, member A3	1.502702	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1979 75	BTNL3	butyrophilin-like 3	-1.489226	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1979 75	BTNL3	butyrophilin-like 3	-0.89073	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1979 75	BTNL3	butyrophilin-like 3	-0.407117	Inlier
siRNA Disorazole DMSO Run2	NM_1979 75	BTNL3	butyrophilin-like 3	-0.136396	Inlier
siRNA Disorazole DMSO Run3	NM_1979 75	BTNL3	butyrophilin-like 3	0.136396	Inlier
siRNA Disorazole DMSO Run1	NM_1979 75	BTNL3	butyrophilin-like 3	0.45827	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1979 75	BTNL3	butyrophilin-like 3	0.989076	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1979 75	BTNL3	butyrophilin-like 3	1.403999	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0043 36	BUB1	BUB1 budding uninhibited by benzimidazole 1 homolog (yeast)	-0.688927	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0043 36	BUB1	BUB1 budding uninhibited by benzimidazole 1 homolog (yeast)	-0.660073	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0043 36	BUB1	BUB1 budding uninhibited by benzimidazole 1 homolog (yeast)	-0.38396	Inlier
siRNA Disorazole DMSO Run2	NM_0043 36	BUB1	BUB1 budding uninhibited by benzimidazole 1 homolog (yeast)	-0.073099	Inlier
siRNA Disorazole DMSO Run3	NM_0043 36	BUB1	BUB1 budding uninhibited by benzimidazole 1 homolog (yeast)	0.073099	Inlier
siRNA Disorazole DMSO Run1	NM_0043 36	BUB1	BUB1 budding uninhibited by benzimidazole 1 homolog (yeast)	1.035562	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_004336	BUB1	BUB1 budding uninhibited by benzimidazole 1 homolog (yeast)	1.464804	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004336	BUB1	BUB1 budding uninhibited by benzimidazole 1 homolog (yeast)	1.631788	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001211	BUB1B	BUB1 budding uninhibited by benzimidazole 1 homolog beta (yeast)	-0.858632	Inlier
siRNA Disorazole DMSO Run3	NM_001211	BUB1B	BUB1 budding uninhibited by benzimidazole 1 homolog beta (yeast)	-0.490368	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001211	BUB1B	BUB1 budding uninhibited by benzimidazole 1 homolog beta (yeast)	-0.447926	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001211	BUB1B	BUB1 budding uninhibited by benzimidazole 1 homolog beta (yeast)	-0.37331	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Score	Category	Biological Context
siRNA Disorazole DMSO Run1	NM_0012 11	BUB1B	0.37331	Inlier	BUB1 budding uninhibited by benzimidazole 1 homolog beta (yeast)
siRNA Disorazole DMSO Run2	NM_0012 11	BUB1B	3.892815	Outlier	BUB1 budding uninhibited by benzimidazole 1 homolog beta (yeast)
siRNA-Vinblastine Run2-DMSO	NM_0012 11	BUB1B	4.715521	Outlier	BUB1 budding uninhibited by benzimidazole 1 homolog beta (yeast)
siRNA-Vinblastine Run1-DMSO	NM_0012 11	BUB1B	6.750292	Outlier	butyryl Coenzyme A synthetase 1
siRNA Disorazole DMSO Run1	NM_0529 56	BUCS1	-0.922464	Inlier	butyryl Coenzyme A synthetase 1
siRNA-Temozolomide Run2-DMSO	NM_0529 56	BUCS1	-0.759086	Inlier	butyryl Coenzyme A synthetase 1
siRNA-Temozolomide Run3-DMSO	NM_0529 56	BUCS1	-0.589914	Inlier	butyryl Coenzyme A synthetase 1

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0529 56	BUCS1	butyryl Coenzyme A synthetase 1	-0.128321	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0529 56	BUCS1	butyryl Coenzyme A synthetase 1	0.12832	Inlier
siRNA Disorazole DMSO Run3	NM_0529 56	BUCS1	butyryl Coenzyme A synthetase 1	0.199554	Inlier
siRNA Disorazole DMSO Run2	NM_0529 56	BUCS1	butyryl Coenzyme A synthetase 1	0.794157	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0529 56	BUCS1	butyryl Coenzyme A synthetase 1	0.971527	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0073 11	BZRP	benzodiaz apine receptor (peripheral)	-1.125044	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0073 11	BZRP	benzodiaz apine receptor (peripheral)	-1.005457	Inlier
siRNA Disorazole DMSO Run2	NM_0073 11	BZRP	benzodiaz apine receptor (peripheral)	-0.343543	Inlier
siRNA Disorazole DMSO Run3	NM_0073 11	BZRP	benzodiaz apine receptor (peripheral)	-0.032627	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0073 11	BZRP	benzodiaz apine receptor (peripheral)	0.032626	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0073 11	BZRP	benzodiaz apine receptor (peripheral)	0.047249	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0073 11	BZRP	benzodiaz apine receptor (peripheral)	1.129655	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0073 11	BZRP	benzodiaz apine receptor (peripheral)	1.565648	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0201 55	C11ORF4	C11ORF4	-1.439239	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0201 55	C11ORF4	C11ORF4	-1.387793	Inlier
siRNA Disorazole DMSO Run1	NM_0201 55	C11ORF4	C11ORF4	-0.341356	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0201 55	C11ORF4	C11ORF4	-0.335641	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0201 55	C11ORF4	C11ORF4	0.335641	Inlier
siRNA Disorazole DMSO Run3	NM_0201 55	C11ORF4	C11ORF4	0.372381	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0201 55	C11ORF4	C11ORF4	0.976619	Inlier
siRNA Disorazole DMSO Run2	NM_0201 55	C11ORF4	C11ORF4	1.692829	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0015 84	C11orf8	chromoso me 11 open reading frame 8	-0.814277	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0015 84	C11orf8	chromoso me 11 open reading frame 8	-0.534723	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0015 84	C11orf8	chromoso me 11 open reading frame 8	-0.322688	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0015 84	C11orf8	chromoso me 11 open reading frame 8	-0.230912	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Chromosome	Reading Frame	Score	Category
siRNA Disorazole DMSO Run3	NM_001584	C11orf8	chromosome 11	open reading frame 8	0.230911	Inlier
siRNA Disorazole DMSO Run1	NM_001584	C11orf8	chromosome 11	open reading frame 8	2.956444	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001584	C11orf8	chromosome 11	open reading frame 8	10.39631	Outlier
siRNA Disorazole DMSO Run2	NM_001584	C11orf8	chromosome 11	open reading frame 8	10.52433	Outlier
siRNA-Temozolomide Run3-DMSO	NM_005800	C13orf22	chromosome 13	open reading frame 22	-1.401206	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005800	C13orf22	chromosome 13	open reading frame 22	-0.824267	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005800	C13orf22	chromosome 13	open reading frame 22	-0.812527	Inlier
siRNA Disorazole DMSO Run1	NM_005800	C13orf22	chromosome 13	open reading frame 22	-0.094554	Inlier
siRNA Disorazole DMSO Run3	NM_005800	C13orf22	chromosome 13	open reading frame 22	0.094554	Inlier
siRNA Disorazole DMSO Run2	NM_005800	C13orf22	chromosome 13	open reading frame 22	0.204602	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Chromosome	Reading Frame	Value	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005800	C13orf22	chromosome 13	open reading frame 22	0.536473	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005800	C13orf22	chromosome 13	open reading frame 22	1.176536	Inlier
siRNA-Temozolomide Run3-DMSO	NM_170719	C13orf23	chromosome 13	open reading frame 23	-2.014324	Inlier
siRNA Disorazole DMSO Run1	NM_170719	C13orf23	chromosome 13	open reading frame 23	-0.854768	Inlier
siRNA-Temozolomide Run2-DMSO	NM_170719	C13orf23	chromosome 13	open reading frame 23	-0.395585	Inlier
siRNA-Vinblastine Run2-DMSO	NM_170719	C13orf23	chromosome 13	open reading frame 23	-0.284416	Inlier
siRNA-Temozolomide Run1-DMSO	NM_170719	C13orf23	chromosome 13	open reading frame 23	0.284416	Inlier
siRNA Disorazole DMSO Run3	NM_170719	C13orf23	chromosome 13	open reading frame 23	0.494232	Inlier
siRNA Disorazole DMSO Run2	NM_170719	C13orf23	chromosome 13	open reading frame 23	1.946056	Inlier
siRNA-Vinblastine Run1-DMSO	NM_170719	C13orf23	chromosome 13	open reading frame 23	2.944934	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Chromosome	Start	End	Score	Category
siRNA-Temozolomide Run3-DMSO	NM_144581	C14orf149	chromosome 14	open reading frame 149	-1.251668	Inlier	
siRNA-Temozolomide Run2-DMSO	NM_144581	C14orf149	chromosome 14	open reading frame 149	-0.779486	Inlier	
siRNA-Temozolomide Run1-DMSO	NM_144581	C14orf149	chromosome 14	open reading frame 149	-0.569514	Inlier	
siRNA Disorazole DMSO Run1	NM_144581	C14orf149	chromosome 14	open reading frame 149	-0.001899	Inlier	
siRNA Disorazole DMSO Run3	NM_144581	C14orf149	chromosome 14	open reading frame 149	0.001899	Inlier	
siRNA-Vinblastine Run2-DMSO	NM_144581	C14orf149	chromosome 14	open reading frame 149	0.168035	Inlier	
siRNA Disorazole DMSO Run2	NM_144581	C14orf149	chromosome 14	open reading frame 149	1.496938	Inlier	
siRNA-Vinblastine Run1-DMSO	NM_144581	C14orf149	chromosome 14	open reading frame 149	1.631925	Inlier	
siRNA-Temozolomide Run2-DMSO	NM_174944	C14orf20	chromosome 14	open reading frame 20	-0.97413	Inlier	
siRNA Disorazole DMSO Run2	NM_174944	C14orf20	chromosome 14	open reading frame 20	-0.754141	Inlier	

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Chromosome	Reading Frame	Score	Category
siRNA-Temozolomide Run3-DMSO	NM_174944	C14orf20	chromosome 14 open reading frame 20	-0.594859	Inlier
siRNA Disorazole DMSO Run3	NM_174944	C14orf20	chromosome 14 open reading frame 20	-0.216214	Inlier
siRNA Disorazole DMSO Run1	NM_174944	C14orf20	chromosome 14 open reading frame 20	0.216214	Inlier
siRNA-Temozolomide Run1-DMSO	NM_174944	C14orf20	chromosome 14 open reading frame 20	0.238296	Inlier
siRNA-Vinblastine Run1-DMSO	NM_174944	C14orf20	chromosome 14 open reading frame 20	0.869219	Inlier
siRNA-Vinblastine Run2-DMSO	NM_174944	C14orf20	chromosome 15 open reading frame 20	3.352247	Inlier
siRNA-Temozolomide Run3-DMSO	NM_130901	C15orf16	chromosome 15 open reading frame 16	-0.874249	Inlier
siRNA-Temozolomide Run2-DMSO	NM_130901	C15orf16	chromosome 15 open reading frame 16	-0.474751	Inlier
siRNA-Temozolomide Run1-DMSO	NM_130901	C15orf16	chromosome 15 open reading frame 16	-0.362681	Inlier
siRNA Disorazole DMSO Run3	NM_130901	C15orf16	chromosome 15 open reading frame 16	-0.150335	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Gene	Chromosome	Reading Frame	Value	Inlier
siRNA Disorazole DMSO Run1	NM_1309	01	C15orf16	15	16	0.150335	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1309	01	C15orf16	15	16	1.914588	Inlier
siRNA Disorazole DMSO Run2	NM_1309	01	C15orf16	15	16	1.925845	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1309	01	C15orf16	15	16	2.115524	Inlier
siRNA Disorazole DMSO Run2	NM_1523	35	C15orf27	15	27	-2.16786	Inlier
siRNA Disorazole DMSO Run1	NM_1523	35	C15orf27	15	27	-0.667058	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1523	35	C15orf27	15	27	-0.618458	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1523	35	C15orf27	15	27	-0.21928	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1523	35	C15orf27	15	27	0.21928	Inlier
siRNA Disorazole DMSO Run3	NM_1523	35	C15orf27	15	27	0.681942	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_1523 35	C15orf27	chromosome 15 open reading frame 27	0.901345	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1523 35	C15orf27	chromosome 15 open reading frame 27	1.133745	Inlier
siRNA Disorazole DMSO Run3	NM_0038 76	C17orf35	chromosome 17 open reading frame 35	-0.694602	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0038 76	C17orf35	chromosome 17 open reading frame 35	-0.654398	Inlier
siRNA Disorazole DMSO Run2	NM_0038 76	C17orf35	chromosome 17 open reading frame 35	-0.562492	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0038 76	C17orf35	chromosome 17 open reading frame 35	-0.451234	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0038 76	C17orf35	chromosome 17 open reading frame 35	0.451234	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0038 76	C17orf35	chromosome 17 open reading frame 35	2.483865	Inlier
siRNA Disorazole DMSO Run1	NM_0038 76	C17orf35	chromosome 17 open reading frame 35	2.801293	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0038 76	C17orf35	chromosome 17 open reading frame 35	3.076885	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			chromosome 18		
			open reading frame 4		
siRNA Disorazole DMSO Run1	NM_0321 60	C18orf4	chromosome 18	-0.85312	Inlier
			open reading frame 4		
siRNA Disorazole DMSO Run3	NM_0321 60	C18orf4	chromosome 18	-0.701435	Inlier
			open reading frame 4		
siRNA-Temozolomide Run1-DMSO	NM_0321 60	C18orf4	chromosome 18	-0.335706	Inlier
			open reading frame 4		
siRNA-Vinblastine Run2-DMSO	NM_0321 60	C18orf4	chromosome 18	-0.241374	Inlier
			open reading frame 4		
siRNA-Temozolomide Run3-DMSO	NM_0321 60	C18orf4	chromosome 18	0.241373	Inlier
			open reading frame 4		
siRNA Disorazole DMSO Run2	NM_0321 60	C18orf4	chromosome 18	0.647565	Inlier
			open reading frame 4		
siRNA-Temozolomide Run2-DMSO	NM_0321 60	C18orf4	chromosome 18	0.75869	Inlier
			open reading frame 4		
siRNA-Vinblastine Run1-DMSO	NM_0321 60	C18orf4	chromosome 18	1.367057	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1731 77	C1D	C1D	-0.979316	Inlier
siRNA Disorazole DMSO Run3	NM_1731 77	C1D	C1D	-0.707949	Inlier
siRNA Disorazole DMSO Run2	NM_1731 77	C1D	C1D	-0.174474	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1731 77	C1D	C1D	-0.008119	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1731 77	C1D	C1D	0.008119	Inlier
siRNA Disorazole DMSO Run1	NM_1731 77	C1D	C1D	0.641051	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA Treatment	Gene ID	Gene Name	Log2 Fold Change	Significance
siRNA-Vinblastine Run1-DMSO	NM_1731	C1D	2.535884	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1731	C1D	2.823087	Inlier
siRNA-Disorazole DMSO Run1	NM_0201	C1GALT1	-1.038841	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0201	C1GALT1	-0.832278	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0201	C1GALT1	-0.516722	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0201	C1GALT1	-0.102434	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Value	Category
siRNA Disorazole DMSO Run3	NM_020156	C1GALT1	core 1 synthase, glycoprotein N-acetylgalactosamine 3-beta-galactosyltransferase 1	0.102434	Inlier
siRNA-Temozolomide Run3-DMSO	NM_020156	C1GALT1	core 1 synthase, glycoprotein N-acetylgalactosamine 3-beta-galactosyltransferase 1	0.172335	Inlier
siRNA Disorazole DMSO Run2	NM_020156	C1GALT1	core 1 synthase, glycoprotein N-acetylgalactosamine 3-beta-galactosyltransferase 1	0.898095	Inlier
siRNA-Vinblastine Run1-DMSO	NM_020156	C1GALT1	C1GALT1-specific chaperone 1	1.459838	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001011551	C1GALT2	C1GALT1-specific chaperone 1	-1.812223	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001011551	C1GALT2	C1GALT1-specific chaperone 1	-1.006601	Inlier
siRNA Disorazole DMSO Run1	NM_001011551	C1GALT2	C1GALT1-specific chaperone 1	-0.142026	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0010 11551	C1GALT2	C1GALT1-specific chaperone 1	-0.130969	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 11551	C1GALT2	C1GALT1-specific chaperone 1	0.130968	Inlier
siRNA Disorazole DMSO Run3	NM_0010 11551	C1GALT2	C1GALT1-specific chaperone 1	0.342399	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 11551	C1GALT2	C1GALT1-specific chaperone 1	2.916932	Inlier
siRNA Disorazole DMSO Run2	NM_0010 11551	C1GALT2	C1GALT1-specific chaperone 1	3.039035	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0251 91	C1orf22	chromosome 1 open reading frame 22	-1.176534	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0251 91	C1orf22	chromosome 1 open reading frame 22	-0.870414	Inlier
siRNA Disorazole DMSO Run3	NM_0251 91	C1orf22	chromosome 1 open reading frame 22	-0.64821	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0251 91	C1orf22	chromosome 1 open reading frame 22	-0.015128	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0251 91	C1orf22	chromosome 1 open reading frame 22	0.015128	Inlier
siRNA Disorazole DMSO Run1	NM_0251 91	C1orf22	chromosome 1 open reading frame 22	0.525396	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_025191	C1orf22	chromosome 1 open reading frame 22	0.70079	Inlier
siRNA Disorazole DMSO Run2	NM_025191	C1orf22	chromosome 1 open reading frame 22 complement component 1, q subcomponent,	0.921169	Inlier
siRNA Disorazole DMSO Run3	NM_012072	C1QR1	receptor 1 complement component 1, q subcomponent,	-0.749955	Inlier
siRNA-Temozolomide Run2-DMSO	NM_012072	C1QR1	receptor 1 complement component 1, q subcomponent,	-0.742603	Inlier
siRNA-Temozolomide Run3-DMSO	NM_012072	C1QR1	receptor 1 complement component 1, q subcomponent,	-0.606397	Inlier
siRNA-Vinblastine Run2-DMSO	NM_012072	C1QR1	receptor 1 complement component 1, q subcomponent,	-0.161058	Inlier
siRNA Disorazole DMSO Run1	NM_012072	C1QR1	receptor 1 complement component 1, q subcomponent,	0.161058	Inlier
siRNA-Temozolomide Run1-DMSO	NM_012072	C1QR1	receptor 1	0.251899	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Cell Line	Gene Name	Log Fold Change	Outlier Status
siRNA-Vinblastine Run1-DMSO	NM_012072	C1QR1	complement component 1, q subcomponent, receptor 1	3.266875	Inlier
siRNA Disorazole DMSO Run2	NM_012072	C1QR1	complement component 1, q subcomponent, receptor 1	3.442413	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001733	C1R	complement component 1, r subcomponent	-1.670142	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001733	C1R	complement component 1, r subcomponent	-0.822477	Inlier
siRNA Disorazole DMSO Run2	NM_001733	C1R	complement component 1, r subcomponent	-0.526523	Inlier
siRNA Disorazole DMSO Run1	NM_001733	C1R	complement component 1, r subcomponent	-0.037625	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001733	C1R	complement component 1, r subcomponent	0.037625	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001733	C1R	complement component 1, r subcomponent	0.1745	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Cell Line	Component	Value	Category
siRNA-Vinblastine Run2-DMSO	NM_001733	C1R	complement component 1, r subcomponent	1.826317	Inlier
siRNA Disorazole DMSO Run3	NM_001733	C1R	complement component 1, r subcomponent	3.991527	Outlier
siRNA Disorazole DMSO Run2	NM_016546	C1RL	complement component 1, r subcomponent-like	-2.042112	Inlier
siRNA-Temozolomide Run3-DMSO	NM_016546	C1RL	complement component 1, r subcomponent-like	-1.025042	Inlier
siRNA Disorazole DMSO Run1	NM_016546	C1RL	complement component 1, r subcomponent-like	-0.637087	Inlier
siRNA-Temozolomide Run2-DMSO	NM_016546	C1RL	complement component 1, r subcomponent-like	-0.132321	Inlier
siRNA-Temozolomide Run1-DMSO	NM_016546	C1RL	complement component 1, r subcomponent-like	0.132321	Inlier
siRNA-Vinblastine Run1-DMSO	NM_016546	C1RL	complement component 1, r subcomponent-like	0.403684	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Condition	Component	Value	Outlier Status
siRNA-Vinblastine Run2-DMSO	NM_016546	C1RL	complement component 1, r subcomponent-like	0.711913	Inlier
siRNA Disorazole DMSO Run3	NM_016546	C1RL	complement component 1, r subcomponent-like	1.214974	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001734	C1S	complement component 1, s subcomponent	-0.985956	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001734	C1S	complement component 1, s subcomponent	-0.736371	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001734	C1S	complement component 1, s subcomponent	-0.612629	Inlier
siRNA Disorazole DMSO Run2	NM_001734	C1S	complement component 1, s subcomponent	-0.072569	Inlier
siRNA Disorazole DMSO Run3	NM_001734	C1S	complement component 1, s subcomponent	0.072569	Inlier
siRNA Disorazole DMSO Run1	NM_001734	C1S	complement component 1, s subcomponent	0.147684	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_001734	C1S	complement component 1, subcomponent	2.336268	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001734	C1S	complement component 1, subcomponent	2.569685	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000063	C2	complement component 2	-0.997225	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000063	C2	complement component 2	-0.788549	Inlier
siRNA Disorazole DMSO Run3	NM_000063	C2	complement component 2	-0.560451	Inlier
siRNA Disorazole DMSO Run1	NM_000063	C2	complement component 2	-0.436258	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000063	C2	complement component 2	0.436257	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000063	C2	complement component 2	0.541485	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000063	C2	complement component 2	1.147389	Inlier
siRNA Disorazole DMSO Run2	NM_000063	C2	complement component 20	2.097309	Inlier
siRNA-Temozolomide Run3-DMSO	NM_033197	C20orf114	open reading frame 114	-1.443613	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Chromosome	Reading Frame	Value	Category
siRNA-Temozolomide Run2-DMSO	NM_0331	97	C20orf114	frame 114	-1.104242	Inlier
siRNA Disorazole DMSO Run3	NM_0331	97	C20orf114	frame 114	-0.154102	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0331	97	C20orf114	frame 114	-0.02935	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0331	97	C20orf114	frame 114	0.02935	Inlier
siRNA Disorazole DMSO Run1	NM_0331	97	C20orf114	frame 114	0.244758	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0331	97	C20orf114	frame 114	1.113649	Inlier
siRNA Disorazole DMSO Run2	NM_0331	97	C20orf114	frame 114	1.361348	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0181	52	C20orf12	frame 12	-1.127725	Inlier
siRNA Disorazole DMSO Run2	NM_0181	52	C20orf12	frame 12	-0.695649	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0181	52	C20orf12	frame 12	-0.653351	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Chromosome	Reading Frame	Value	Category
siRNA-Vinblastine Run2-DMSO	NM_0181 52	C20orf12	chromosome 20	open reading frame 12	-0.09626	Inlier
siRNA Disorazole DMSO Run3	NM_0181 52	C20orf12	chromosome 20	open reading frame 12	0.096261	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0181 52	C20orf12	chromosome 20	open reading frame 12	0.329345	Inlier
siRNA Disorazole DMSO Run1	NM_0181 52	C20orf12	chromosome 20	open reading frame 12	1.0791	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0181 52	C20orf12	chromosome 20	open reading frame 12	1.442713	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0312 28	C20orf18	chromosome 20	open reading frame 18	-0.919873	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0312 28	C20orf18	chromosome 20	open reading frame 18	-0.614437	Inlier
siRNA Disorazole DMSO Run1	NM_0312 28	C20orf18	chromosome 20	open reading frame 18	-0.151735	Inlier
siRNA Disorazole DMSO Run3	NM_0312 28	C20orf18	chromosome 20	open reading frame 18	-0.114271	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0312 28	C20orf18	chromosome 20	open reading frame 18	0.11427	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Chromosome	Reading Frame	Score	Category
siRNA-Temozolomide Run1-DMSO	NM_031228	C20orf18	chromosome 20	open reading frame 18	0.734563	Inlier
siRNA-Vinblastine Run1-DMSO	NM_031228	C20orf18	chromosome 20	open reading frame 18	1.253675	Inlier
siRNA Disorazole DMSO Run2	NM_031228	C20orf18	chromosome 20	open reading frame 18	1.354497	Inlier
siRNA-Vinblastine Run2-DMSO	NM_182658	C20orf185	chromosome 20	open reading frame 185	-0.685461	Inlier
siRNA-Temozolomide Run3-DMSO	NM_182658	C20orf185	chromosome 20	open reading frame 185	-0.663539	Inlier
siRNA Disorazole DMSO Run3	NM_182658	C20orf185	chromosome 20	open reading frame 185	-0.57232	Inlier
siRNA-Temozolomide Run2-DMSO	NM_182658	C20orf185	chromosome 20	open reading frame 185	-0.542098	Inlier
siRNA Disorazole DMSO Run1	NM_182658	C20orf185	chromosome 20	open reading frame 185	0.542098	Inlier
siRNA-Temozolomide Run1-DMSO	NM_182658	C20orf185	chromosome 20	open reading frame 185	0.751498	Inlier
siRNA-Vinblastine Run1-DMSO	NM_182658	C20orf185	chromosome 20	open reading frame 185	4.541024	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Chromosome	Reading Frame	Value	Category
siRNA Disorazole DMSO Run2	NM_1826	58	C20orf185	frame 185	5.356583	Outlier
siRNA-Temozolomide Run3-DMSO	NM_1825	19	C20orf186	frame 186	-1.39108	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1825	19	C20orf186	frame 186	-0.686359	Inlier
siRNA Disorazole DMSO Run2	NM_1825	19	C20orf186	frame 186	-0.662641	Inlier
siRNA Disorazole DMSO Run3	NM_1825	19	C20orf186	frame 186	-0.087589	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1825	19	C20orf186	frame 186	0.087589	Inlier
siRNA Disorazole DMSO Run1	NM_1825	19	C20orf186	frame 186	0.197661	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1825	19	C20orf186	frame 186	0.897251	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1825	19	C20orf186	frame 186	0.928861	Inlier
siRNA-Temozolomide Run3-DMSO	NM_015600	00	C20orf22	frame 22	-1.40728	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_015600	C20orf22	chromosome 20 open reading frame 22	-0.749304	Inlier
siRNA-Temozolomide Run2-DMSO	NM_015600	C20orf22	chromosome 20 open reading frame 22	-0.691989	Inlier
siRNA Disorazole DMSO Run1	NM_015600	C20orf22	chromosome 20 open reading frame 22	-0.087107	Inlier
siRNA Disorazole DMSO Run3	NM_015600	C20orf22	chromosome 20 open reading frame 22	0.087107	Inlier
siRNA Disorazole DMSO Run2	NM_015600	C20orf22	chromosome 20 open reading frame 22	0.28419	Inlier
siRNA-Vinblastine Run2-DMSO	NM_015600	C20orf22	chromosome 20 open reading frame 22	0.65701	Inlier
siRNA-Vinblastine Run1-DMSO	NM_015600	C20orf22	chromosome 20 open reading frame 22	1.238997	Inlier
siRNA-Temozolomide Run3-DMSO	NM_024704	C20orf23	chromosome 20 open reading frame 23	-0.80888	Inlier
siRNA Disorazole DMSO Run3	NM_024704	C20orf23	chromosome 20 open reading frame 23	-0.70957	Inlier
siRNA-Vinblastine Run2-DMSO	NM_024704	C20orf23	chromosome 20 open reading frame 23	-0.63943	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Chromosome	Reading Frame	Value	Inlier
siRNA Disorazole DMSO Run1	NM_024704	C20orf23	chromosome 20	open reading frame 23	-0.105145	Inlier
siRNA-Temozolomide Run2-DMSO	NM_024704	C20orf23	chromosome 20	open reading frame 23	0.105144	Inlier
siRNA-Temozolomide Run1-DMSO	NM_024704	C20orf23	chromosome 20	open reading frame 23	0.439854	Inlier
siRNA Disorazole DMSO Run2	NM_024704	C20orf23	chromosome 20	open reading frame 23	1.190252	Inlier
siRNA-Vinblastine Run1-DMSO	NM_024704	C20orf23	chromosome 20	open reading frame 23	1.405237	Inlier
siRNA-Temozolomide Run3-DMSO	NM_016434	C20orf41	chromosome 20	open reading frame 23	-0.968062	Inlier
siRNA-Vinblastine Run2-DMSO	NM_016434	C20orf41	chromosome 20	open reading frame 23	-0.380938	Inlier
siRNA-Temozolomide Run2-DMSO	NM_016434	C20orf41	chromosome 20	open reading frame 23	-0.306354	Inlier
siRNA Disorazole DMSO Run3	NM_016434	C20orf41	chromosome 20	open reading frame 23	-0.132905	Inlier
siRNA Disorazole DMSO Run1	NM_016434	C20orf41	chromosome 20	open reading frame 23	0.132905	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Accession	Gene Name	Log2 Fold Change	Significance
siRNA-Temozolomide Run1-DMSO	NM_0164	C20orf41	regulator of telomere elongation helicase 1	1.283787	Inlier
siRNA Disorazole DMSO Run2	NM_0164	C20orf41	regulator of telomere elongation helicase 1	3.217861	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0164	C20orf41	regulator of telomere elongation helicase 1 chromosome 20	3.652996	Outlier
siRNA-Temozolomide Run3-DMSO	NM_1784	C20orf71	open reading frame 71 chromosome 20	-1.227388	Inlier
siRNA Disorazole DMSO Run3	NM_1784	C20orf71	open reading frame 71 chromosome 20	-0.122526	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1784	C20orf71	open reading frame 71 chromosome 20	-0.104929	Inlier
siRNA Disorazole DMSO Run1	NM_1784	C20orf71	open reading frame 71 chromosome 20	-0.083424	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1784	C20orf71	open reading frame 71 chromosome 20	0.083424	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1784	C20orf71	open reading frame 71 chromosome 20	1.226474	Inlier
siRNA Disorazole DMSO Run2	NM_1784	C20orf71	open reading frame 71	1.66625	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_1784 66	C20orf71	chromosome 20 open reading frame 71	2.040545	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1784 83	C20orf79	chromosome 20 open reading frame 79	-1.780799	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1784 83	C20orf79	chromosome 20 open reading frame 79	-1.0611	Inlier
siRNA Disorazole DMSO Run1	NM_1784 83	C20orf79	chromosome 20 open reading frame 79	-0.544523	Inlier
siRNA Disorazole DMSO Run3	NM_1784 83	C20orf79	chromosome 20 open reading frame 79	-0.467519	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1784 83	C20orf79	chromosome 20 open reading frame 79	0.467519	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1784 83	C20orf79	chromosome 20 open reading frame 79	0.504387	Inlier
siRNA Disorazole DMSO Run2	NM_1784 83	C20orf79	chromosome 20 open reading frame 79	0.804477	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1784 83	C20orf79	chromosome 21 open reading frame 79	0.80912	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1827 49	C21orf127	open reading frame 127	-1.11943	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			chromosome 21		
			open reading		
siRNA Disorazole DMSO Run1	NM_1827 49	C21orf127	frame 127	-0.732957	Inlier
			chromosome 21		
			open reading		
siRNA-Temozolomide Run1-DMSO	NM_1827 49	C21orf127	frame 127	-0.616043	Inlier
			chromosome 21		
			open reading		
siRNA-Temozolomide Run3-DMSO	NM_1827 49	C21orf127	frame 127	-0.327768	Inlier
			chromosome 21		
			open reading		
siRNA Disorazole DMSO Run3	NM_1827 49	C21orf127	frame 127	0.327768	Inlier
			chromosome 21		
			open reading		
siRNA-Vinblastine Run2-DMSO	NM_1827 49	C21orf127	frame 127	0.390141	Inlier
			chromosome 21		
			open reading		
siRNA-Vinblastine Run1-DMSO	NM_1827 49	C21orf127	frame 127	1.322625	Inlier
			chromosome 21		
			open reading		
siRNA Disorazole DMSO Run2	NM_1827 49	C21orf127	frame 127	1.925342	Inlier
siRNA Disorazole DMSO Run1	NM_0165 91	C2GNT3	C2GNT3	-1.106673	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0165 91	C2GNT3	C2GNT3	-0.866571	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0165 91	C2GNT3	C2GNT3	-0.482429	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0165 91	C2GNT3	C2GNT3	-0.073082	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0165 91	C2GNT3	C2GNT3	0.073082	Inlier
siRNA Disorazole DMSO Run3	NM_0165 91	C2GNT3	C2GNT3	0.416435	Inlier
siRNA Disorazole DMSO Run2	NM_0165 91	C2GNT3	C2GNT3	1.020012	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0165 91	C2GNT3	C2GNT3	1.053907	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0040 54	C3AR1	complement component 3a receptor 1	-1.192818	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0040 54	C3AR1	complement component 3a receptor 1	-0.609841	Inlier
siRNA Disorazole DMSO Run2	NM_0040 54	C3AR1	complement component 3a receptor 1	-0.355116	Inlier
siRNA Disorazole DMSO Run1	NM_0040 54	C3AR1	complement component 3a receptor 1	-0.078412	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0040 54	C3AR1	complement component 3a receptor 1	0.078412	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0040 54	C3AR1	complement component 3a receptor 1	0.739159	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0040 54	C3AR1	complement component 3a receptor 1	1.999136	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0040 54	C3AR1	complement component 3a receptor 1	2.217727	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0017 36	C5R1	complement component 5 receptor 1 (C5a ligand)	-0.786203	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_1450 25	C6orf199	chromosome 6 open reading frame 199	-2.780502	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1450 25	C6orf199	chromosome 6 open reading frame 199	-0.898202	Inlier
siRNA Disorazole DMSO Run3	NM_1450 25	C6orf199	chromosome 6 open reading frame 199	-0.633048	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1450 25	C6orf199	chromosome 6 open reading frame 199	-0.039913	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1450 25	C6orf199	chromosome 6 open reading frame 199	0.039912	Inlier
siRNA Disorazole DMSO Run1	NM_1450 25	C6orf199	chromosome 6 open reading frame 199	0.066438	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1450 25	C6orf199	chromosome 6 open reading frame 199	0.715952	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1450 25	C6orf199	chromosome 6 open reading frame 199	0.813168	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0164 87	C6orf203	chromosome 6 open reading frame 203	-1.493906	Inlier
siRNA Disorazole DMSO Run1	NM_0164 87	C6orf203	chromosome 6 open reading frame 203	-0.581045	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0164 87	C6orf203	chromosome 6 open reading frame 203	-0.528888	Inlier
siRNA Disorazole DMSO Run3	NM_0164 87	C6orf203	chromosome 6 open reading frame 203	-0.118945	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0164 87	C6orf203	chromosome 6 open reading frame 203	0.118945	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0164 87	C6orf203	chromosome 6 open reading frame 203	0.767955	Inlier
siRNA Disorazole DMSO Run2	NM_0164 87	C6orf203	chromosome 6 open reading frame 203	2.209343	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0164 87	C6orf203	chromosome 6 open reading frame 203	2.252339	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0250 59	C6orf97	chromosome 6 open reading frame 97	-1.516491	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0250 59	C6orf97	chromosome 6 open reading frame 97	-1.417991	Inlier
siRNA Disorazole DMSO Run3	NM_0250 59	C6orf97	chromosome 6 open reading frame 97	-0.50779	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0250 59	C6orf97	chromosome 6 open reading frame 97	-0.113448	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0250 59	C6orf97	chromosome 6 open reading frame 97	0.113448	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0250 59	C6orf97	chromosome 6 open reading frame 97	0.315956	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0250 59	C6orf97	chromosome 6 open reading frame 97	0.84121	Inlier
siRNA Disorazole DMSO Run2	NM_0250 59	C6orf97	chromosome 6 open reading frame 97	1.488387	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0221 50	C7orf9	chromosome 7 open reading frame 9	-1.053809	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0221 50	C7orf9	chromosome 7 open reading frame 9	-0.900067	Inlier
siRNA Disorazole DMSO Run1	NM_0221 50	C7orf9	chromosome 7 open reading frame 9	-0.448933	Inlier
siRNA Disorazole DMSO Run3	NM_0221 50	C7orf9	chromosome 7 open reading frame 9	-0.146471	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0221 50	C7orf9	chromosome 7 open reading frame 9	0.14647	Inlier
siRNA Disorazole DMSO Run2	NM_0221 50	C7orf9	chromosome 7 open reading frame 9	0.176192	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_022150	C7orf9	chromosome 7 open reading frame 9	2.502498	Inlier
siRNA-Vinblastine Run2-DMSO	NM_022150	C7orf9	chromosome 7 open reading frame 9 complement component 8, gamma	2.793533	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000606	C8G	polypeptide complement component 8, gamma	-1.681563	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000606	C8G	polypeptide complement component 8, gamma	-0.777543	Inlier
siRNA Disorazole DMSO Run3	NM_000606	C8G	polypeptide complement component 8, gamma	-0.571457	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000606	C8G	polypeptide complement component 8, gamma	-0.249009	Inlier
siRNA Disorazole DMSO Run1	NM_000606	C8G	polypeptide complement component 8, gamma	0.249009	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000606	C8G	polypeptide	0.491618	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_000606	C8G	complement component 8, gamma polypeptide	1.151055	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000606	C8G	complement component 8, gamma polypeptide	1.203937	Inlier
siRNA Disorazole DMSO Run2	NM_022755	C9orf12	chromosome 9 open reading frame 12	-1.151376	Inlier
siRNA-Temozolomide Run3-DMSO	NM_022755	C9orf12	chromosome 9 open reading frame 12	-1.140684	Inlier
siRNA Disorazole DMSO Run3	NM_022755	C9orf12	chromosome 9 open reading frame 12	-0.587112	Inlier
siRNA-Temozolomide Run2-DMSO	NM_022755	C9orf12	chromosome 9 open reading frame 12	-0.175907	Inlier
siRNA-Temozolomide Run1-DMSO	NM_022755	C9orf12	chromosome 9 open reading frame 12	0.175907	Inlier
siRNA Disorazole DMSO Run1	NM_022755	C9orf12	chromosome 9 open reading frame 12	0.443798	Inlier
siRNA-Vinblastine Run2-DMSO	NM_022755	C9orf12	chromosome 9 open reading frame 12	0.761888	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_022755	C9orf12	chromosome 9 open reading frame 12	0.917679	Inlier
siRNA-Temozolomide Run3-DMSO	NM_032823	C9orf3	chromosome 9 open reading frame 3	-1.111436	Inlier
siRNA-Temozolomide Run2-DMSO	NM_032823	C9orf3	chromosome 9 open reading frame 3	-0.636588	Inlier
siRNA-Temozolomide Run1-DMSO	NM_032823	C9orf3	chromosome 9 open reading frame 3	-0.489933	Inlier
siRNA Disorazole DMSO Run1	NM_032823	C9orf3	chromosome 9 open reading frame 3	-0.136926	Inlier
siRNA Disorazole DMSO Run3	NM_032823	C9orf3	chromosome 9 open reading frame 3	0.136926	Inlier
siRNA-Vinblastine Run2-DMSO	NM_032823	C9orf3	chromosome 9 open reading frame 3	0.712412	Inlier
siRNA Disorazole DMSO Run2	NM_032823	C9orf3	chromosome 9 open reading frame 3	0.77211	Inlier
siRNA-Vinblastine Run1-DMSO	NM_032823	C9orf3	chromosome 9 open reading frame 3	0.944451	Inlier
siRNA-Temozolomide Run3-DMSO	NM_139246	C9orf97	chromosome 9 open reading frame 97	-4.576896	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_1392 46	C9orf97	chromosome 9 open reading frame 97	-4.476532	Outlier
siRNA Disorazole DMSO Run1	NM_1392 46	C9orf97	chromosome 9 open reading frame 97	-0.278686	Inlier
siRNA Disorazole DMSO Run3	NM_1392 46	C9orf97	chromosome 9 open reading frame 97	-0.078299	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1392 46	C9orf97	chromosome 9 open reading frame 97	0.078299	Inlier
siRNA Disorazole DMSO Run2	NM_1392 46	C9orf97	chromosome 9 open reading frame 97	0.501136	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1392 46	C9orf97	chromosome 9 open reading frame 97	0.847864	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1392 46	C9orf97	chromosome 9 open reading frame 97	3.500291	Outlier
siRNA-Temozolomide Run3-DMSO	NM_1525 72	C9orf98	chromosome 9 open reading frame 98	-0.753075	Inlier
siRNA Disorazole DMSO Run2	NM_1525 72	C9orf98	chromosome 9 open reading frame 98	-0.595924	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1525 72	C9orf98	chromosome 9 open reading frame 98	-0.331916	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_1525 72	C9orf98	chromosome 9 open reading frame 98	-0.119596	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1525 72	C9orf98	chromosome 9 open reading frame 98	0.119596	Inlier
siRNA Disorazole DMSO Run1	NM_1525 72	C9orf98	chromosome 9 open reading frame 98	1.490084	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1525 72	C9orf98	chromosome 9 open reading frame 98	2.552212	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1525 72	C9orf98	chromosome 9 open reading frame 98	2.623901	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0323 03	C9orf99	hydroxysteroid dehydrogenase like 2	-2.146613	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0323 03	C9orf99	hydroxysteroid dehydrogenase like 2	-2.084553	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0323 03	C9orf99	hydroxysteroid dehydrogenase like 2	-0.448371	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0323 03	C9orf99	hydroxysteroid dehydrogenase like 2	-0.40204	Inlier
siRNA Disorazole DMSO Run1	NM_0323 03	C9orf99	hydroxysteroid dehydrogenase like 2	0.40204	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0323 03	C9orf99	hydroxysteroid dehydrogenase like 2	0.574016	Inlier
siRNA Disorazole DMSO Run2	NM_0323 03	C9orf99	hydroxysteroid dehydrogenase like 2	0.774984	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0323 03	C9orf99	hydroxysteroid dehydrogenase like 2	2.400863	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0017 38	CA1	carbonic anhydrase I	-1.596477	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0017 38	CA1	carbonic anhydrase I	-0.567149	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0017 38	CA1	carbonic anhydrase I	-0.345346	Inlier
siRNA Disorazole DMSO Run3	NM_0017 38	CA1	carbonic anhydrase I	-0.130309	Inlier
siRNA Disorazole DMSO Run1	NM_0017 38	CA1	carbonic anhydrase I	0.130309	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0017 38	CA1	carbonic anhydrase I	0.781851	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0017 38	CA1	carbonic anhydrase I	1.953701	Inlier
siRNA Disorazole DMSO Run2	NM_0017 38	CA1	carbonic anhydrase I	2.433141	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0201 78	CA10	carbonic anhydrase X	-0.929437	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0201 78	CA10	carbonic anhydrase X	-0.90995	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0201 78	CA10	carbonic anhydrase X	-0.510663	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0201 78	CA10	carbonic anhydrase X	-0.167773	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

	NM_0201		carbonic anhydrase	
siRNA Disorazole DMSO Run3	78	CA10	X	0.167774 Inlier
	NM_0201		carbonic anhydrase	
siRNA Disorazole DMSO Run1	78	CA10	X	0.224301 Inlier
	NM_0201		carbonic anhydrase	
siRNA Disorazole DMSO Run2	78	CA10	X	0.838337 Inlier
	NM_0201		carbonic anhydrase	
siRNA-Vinblastine Run1-DMSO	78	CA10	X	0.96788 Inlier
	NM_0012		carbonic anhydrase	
siRNA-Temozolomide Run2-DMSO	17	CA11	XI	-0.689819 Inlier
	NM_0012		carbonic anhydrase	
siRNA Disorazole DMSO Run3	17	CA11	XI	-0.659181 Inlier
	NM_0012		carbonic anhydrase	
siRNA-Temozolomide Run3-DMSO	17	CA11	XI	-0.542874 Inlier
	NM_0012		carbonic anhydrase	
siRNA-Vinblastine Run2-DMSO	17	CA11	XI	-0.44432 Inlier
	NM_0012		carbonic anhydrase	
siRNA-Temozolomide Run1-DMSO	17	CA11	XI	0.44432 Inlier
	NM_0012		carbonic anhydrase	
siRNA Disorazole DMSO Run1	17	CA11	XI	1.102384 Inlier
	NM_0012		carbonic anhydrase	
siRNA Disorazole DMSO Run2	17	CA11	XI	3.018907 Inlier
	NM_0012		carbonic anhydrase	
siRNA-Vinblastine Run1-DMSO	17	CA11	XI	3.143708 Inlier
	NM_2069		carbonic anhydrase	
siRNA-Temozolomide Run3-DMSO	25	CA12	XII	-0.899171 Inlier
	NM_2069		carbonic anhydrase	
siRNA-Temozolomide Run2-DMSO	25	CA12	XII	-0.895818 Inlier
	NM_2069		carbonic anhydrase	
siRNA Disorazole DMSO Run3	25	CA12	XII	-0.453182 Inlier
	NM_2069		carbonic anhydrase	
siRNA-Vinblastine Run2-DMSO	25	CA12	XII	-0.105204 Inlier
	NM_2069		carbonic anhydrase	
siRNA Disorazole DMSO Run1	25	CA12	XII	0.105205 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_2069 25	CA12	carbonic anhydrase XII	0.160154	Inlier
siRNA Disorazole DMSO Run2	NM_2069 25	CA12	carbonic anhydrase XII	2.206161	Inlier
siRNA-Vinblastine Run1-DMSO	NM_2069 25	CA12	carbonic anhydrase XII	2.385294	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1985 84	CA13	carbonic anhydrase XIII	-1.777725	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1985 84	CA13	carbonic anhydrase XIII	-1.170272	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1985 84	CA13	carbonic anhydrase XIII	-0.071858	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1985 84	CA13	carbonic anhydrase XIII	-0.069361	Inlier
siRNA Disorazole DMSO Run3	NM_1985 84	CA13	carbonic anhydrase XIII	0.06936	Inlier
siRNA Disorazole DMSO Run1	NM_1985 84	CA13	carbonic anhydrase XIII	0.235805	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1985 84	CA13	carbonic anhydrase XIII	1.113195	Inlier
siRNA Disorazole DMSO Run2	NM_1985 84	CA13	carbonic anhydrase XIII	1.123362	Inlier
siRNA Disorazole DMSO Run3	NM_0121 13	CA14	carbonic anhydrase XIV	-1.544382	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0121 13	CA14	carbonic anhydrase XIV	-0.727894	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0121 13	CA14	carbonic anhydrase XIV	-0.621106	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0121 13	CA14	carbonic anhydrase XIV	-0.402743	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0121 13	CA14	carbonic anhydrase XIV	0.402743	Inlier
siRNA Disorazole DMSO Run1	NM_0121 13	CA14	carbonic anhydrase XIV	0.461581	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0121 13	CA14	carbonic anhydrase XIV	2.643878	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0121 13	CA14	carbonic anhydrase XIV	2.671712	Inlier
siRNA Disorazole DMSO Run1	NM_0000 67	CA2	carbonic anhydrase II	-1.269331	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0000 67	CA2	carbonic anhydrase II	-0.74047	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0000 67	CA2	carbonic anhydrase II	-0.60853	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0000 67	CA2	carbonic anhydrase II	-0.063699	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0000 67	CA2	carbonic anhydrase II	0.063697	Inlier
siRNA Disorazole DMSO Run3	NM_0000 67	CA2	carbonic anhydrase II	0.283444	Inlier
siRNA Disorazole DMSO Run2	NM_0000 67	CA2	carbonic anhydrase II	1.528119	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0000 67	CA2	carbonic anhydrase II	2.976518	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0051 81	CA3	carbonic anhydrase III, muscle specific	-2.677603	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0051 81	CA3	carbonic anhydrase III, muscle specific	-0.687575	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0051 81	CA3	carbonic anhydrase III, muscle specific	-0.661425	Inlier
siRNA Disorazole DMSO Run3	NM_0051 81	CA3	carbonic anhydrase III, muscle specific	-0.000813	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0051 81	CA3	carbonic anhydrase III, muscle specific	0.000812	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0051 81	CA3	carbonic anhydrase III, muscle specific	0.599304	Inlier
siRNA Disorazole DMSO Run2	NM_0051 81	CA3	carbonic anhydrase III, muscle specific	1.167033	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0051 81	CA3	carbonic anhydrase III, muscle specific	1.362251	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0007 17	CA4	carbonic anhydrase IV	-0.830053	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0007 17	CA4	carbonic anhydrase IV	-0.747431	Inlier
siRNA Disorazole DMSO Run1	NM_0007 17	CA4	carbonic anhydrase IV	-0.499572	Inlier
siRNA Disorazole DMSO Run3	NM_0007 17	CA4	carbonic anhydrase IV	-0.220261	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0007 17	CA4	carbonic anhydrase IV	0.220262	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0007 17	CA4	carbonic anhydrase IV	0.601569	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0007 17	CA4	carbonic anhydrase IV	1.386457	Inlier
siRNA Disorazole DMSO Run2	NM_0007 17	CA4	carbonic anhydrase IV	1.472329	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0017 39	CA5A	carbonic anhydrase VA, mitochond rial	-0.760058	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0017 39	CA5A	carbonic anhydrase VA, mitochondrial	-0.588942	Inlier
siRNA Disorazole DMSO Run3	NM_0017 39	CA5A	carbonic anhydrase VA, mitochondrial	-0.378351	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0017 39	CA5A	carbonic anhydrase VA, mitochondrial	-0.272803	Inlier
siRNA Disorazole DMSO Run1	NM_0017 39	CA5A	carbonic anhydrase VA, mitochondrial	0.272803	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0017 39	CA5A	carbonic anhydrase VA, mitochondrial	1.264311	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0017 39	CA5A	carbonic anhydrase VA, mitochondrial	1.81459	Inlier
siRNA Disorazole DMSO Run2	NM_0017 39	CA5A	carbonic anhydrase VA, mitochondrial	1.841899	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0072 20	CA5B	carbonic anhydrase VB, mitochondrial	-0.772668	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0072 20	CA5B	carbonic anhydrase VB, mitochondrial	-0.649106	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0072 20	CA5B	carbonic anhydrase VB, mitochondrial	-0.373164	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0072	20	CA5B	carbonic anhydrase VB, mitochondrial	-0.265487	Inlier
siRNA Disorazole DMSO Run1	NM_0072	20	CA5B	carbonic anhydrase VB, mitochondrial	0.265487	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0072	20	CA5B	carbonic anhydrase VB, mitochondrial	0.699894	Inlier
siRNA Disorazole DMSO Run2	NM_0072	20	CA5B	carbonic anhydrase VB, mitochondrial	1.331645	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0072	20	CA5B	carbonic anhydrase VB, mitochondrial	1.386588	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0012	15	CA6	carbonic anhydrase VI	-2.326227	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0012	15	CA6	carbonic anhydrase VI	-0.888624	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0012	15	CA6	carbonic anhydrase VI	-0.164947	Inlier
siRNA Disorazole DMSO Run3	NM_0012	15	CA6	carbonic anhydrase VI	-0.150079	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0012	15	CA6	carbonic anhydrase VI	0.15008	Inlier
siRNA Disorazole DMSO Run1	NM_0012	15	CA6	carbonic anhydrase VI	0.460376	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0012	15	CA6	carbonic anhydrase VI	2.270689	Inlier
siRNA Disorazole DMSO Run2	NM_0012	15	CA6	carbonic anhydrase VI	2.439788	Inlier
siRNA Disorazole DMSO Run1	NM_0051	82	CA7	carbonic anhydrase VII	-3.600584	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0051 82	CA7	carbonic anhydrase VII	-1.905856	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0051 82	CA7	carbonic anhydrase VII	-0.576566	Inlier
siRNA Disorazole DMSO Run2	NM_0051 82	CA7	carbonic anhydrase VII	-0.00753	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0051 82	CA7	carbonic anhydrase VII	0.007531	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0051 82	CA7	carbonic anhydrase VII	0.168397	Inlier
siRNA Disorazole DMSO Run3	NM_0051 82	CA7	carbonic anhydrase VII	0.772434	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0051 82	CA7	carbonic anhydrase VII	0.826128	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0040 56	CA8	carbonic anhydrase VIII	-1.137089	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0040 56	CA8	carbonic anhydrase VIII	-1.016809	Inlier
siRNA Disorazole DMSO Run1	NM_0040 56	CA8	carbonic anhydrase VIII	-0.036005	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0040 56	CA8	carbonic anhydrase VIII	-0.020873	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0040 56	CA8	carbonic anhydrase VIII	0.020873	Inlier
siRNA Disorazole DMSO Run3	NM_0040 56	CA8	carbonic anhydrase VIII	0.486635	Inlier
siRNA Disorazole DMSO Run2	NM_0040 56	CA8	carbonic anhydrase VIII	0.862364	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0040 56	CA8	carbonic anhydrase VIII	0.940055	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0012 16	CA9	carbonic anhydrase IX	-0.863731	Inlier
siRNA Disorazole DMSO Run1	NM_0012 16	CA9	carbonic anhydrase IX	-0.682842	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0012 16	CA9	carbonic anhydrase IX	-0.666158	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0012 16	CA9	carbonic anhydrase IX	-0.060865	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0012 16	CA9	carbonic anhydrase IX	0.060865	Inlier
siRNA Disorazole DMSO Run3	NM_0012 16	CA9	carbonic anhydrase IX	0.389855	Inlier
siRNA Disorazole DMSO Run2	NM_0012 16	CA9	carbonic anhydrase IX	1.136917	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0012 16	CA9	carbonic anhydrase IX	1.405702	Inlier
siRNA Disorazole DMSO Run1	NM_0202 47	CABC1	chaperone , ABC1 activity of bc1 complex like (S. pombe)	-1.408525	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0202 47	CABC1	chaperone , ABC1 activity of bc1 complex like (S. pombe)	-0.902325	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0202 47	CABC1	chaperone , ABC1 activity of bc1 complex like (S. pombe)	-0.700781	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0202 47	CABC1	complex like (S. pombe)	-0.10628	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

				chaperone , ABC1 activity of bc1 complex like (S. pombe)	
siRNA Disorazole DMSO Run3	NM_0202 47	CABC1		chaperone , ABC1 activity of bc1 complex like (S. pombe)	0.106279 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0202 47	CABC1		chaperone , ABC1 activity of bc1 complex like (S. pombe)	0.293077 Inlier
siRNA Disorazole DMSO Run2	NM_0202 47	CABC1		chaperone , ABC1 activity of bc1 complex like (S. pombe)	0.648219 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0202 47	CABC1		chaperone , ABC1 activity of bc1 complex like (S. pombe)	1.034549 Inlier
siRNA-Temozolomide Run3- DMSO	NM_1307 67	CACH-1	CACH-1		-1.045808 Inlier
siRNA-Temozolomide Run2- DMSO	NM_1307 67	CACH-1	CACH-1		-0.797538 Inlier
siRNA-Vinblastine Run2- DMSO	NM_1307 67	CACH-1	CACH-1		-0.338014 Inlier
siRNA Disorazole DMSO Run3	NM_1307 67	CACH-1	CACH-1		-0.097502 Inlier
siRNA-Temozolomide Run1- DMSO	NM_1307 67	CACH-1	CACH-1		0.097502 Inlier
siRNA Disorazole DMSO Run1	NM_1307 67	CACH-1	CACH-1		0.551462 Inlier
siRNA-Vinblastine Run1- DMSO	NM_1307 67	CACH-1	CACH-1		2.348993 Inlier
siRNA Disorazole DMSO Run2	NM_1307 67	CACH-1	CACH-1		2.396529 Inlier
				calcium channel, voltage- dependent , P/Q type, alpha 1A subunit	
siRNA Disorazole DMSO Run1	NM_0230 35	CACNA1A			-1.786529 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0230 35	CACNA1A	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	-1.646411	Inlier
siRNA Disorazole DMSO Run2	NM_0230 35	CACNA1A	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	-0.848224	Inlier
siRNA Disorazole DMSO Run3	NM_0230 35	CACNA1A	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	-0.125063	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0230 35	CACNA1A	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	0.125062	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0230 35	CACNA1A	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	0.20839	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0230 35	CACNA1A	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	0.500776	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_023035	CACNA1A	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	2.262433	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000718	CACNA1B	calcium channel, voltage-dependent, L type, alpha 1B subunit	-1.338659	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000718	CACNA1B	calcium channel, voltage-dependent, L type, alpha 1B subunit	-1.021699	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000718	CACNA1B	calcium channel, voltage-dependent, L type, alpha 1B subunit	-0.579559	Inlier
siRNA Disorazole DMSO Run2	NM_000718	CACNA1B	calcium channel, voltage-dependent, L type, alpha 1B subunit	-0.001458	Inlier
siRNA Disorazole DMSO Run1	NM_000718	CACNA1B	calcium channel, voltage-dependent, L type, alpha 1B subunit	0.001458	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000718	CACNA1B	calcium channel, voltage-dependent, L type, alpha 1B subunit	0.548401	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Description	Score	Outlier Type
siRNA-Vinblastine Run2-DMSO	CACNA1B	NM_000718	calcium channel, voltage-dependent, L type, alpha 1B subunit	0.769441	Inlier
siRNA Disorazole DMSO Run3	CACNA1B	NM_000718	calcium channel, voltage-dependent, L type, alpha 1B subunit	1.958501	Inlier
siRNA-Temozolomide Run2-DMSO	CACNA1C	NM_000719	calcium channel, voltage-dependent, L type, alpha 1C subunit	-1.485445	Inlier
siRNA-Temozolomide Run1-DMSO	CACNA1C	NM_000719	calcium channel, voltage-dependent, L type, alpha 1C subunit	-0.781223	Inlier
siRNA Disorazole DMSO Run3	CACNA1C	NM_000719	calcium channel, voltage-dependent, L type, alpha 1C subunit	-0.748468	Inlier
siRNA Disorazole DMSO Run1	CACNA1C	NM_000719	calcium channel, voltage-dependent, L type, alpha 1C subunit	-0.36131	Inlier
siRNA Disorazole DMSO Run2	CACNA1C	NM_000719	calcium channel, voltage-dependent, L type, alpha 1C subunit	0.361309	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_000719	CACNA1C	calcium channel, voltage-dependent, L type, alpha 1C subunit	0.557804	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000719	CACNA1C	calcium channel, voltage-dependent, L type, alpha 1C subunit	0.600532	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000719	CACNA1C	calcium channel, voltage-dependent, L type, alpha 1C subunit	0.924702	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000720	CACNA1D	calcium channel, voltage-dependent, L type, alpha 1D subunit	-1.431982	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000720	CACNA1D	calcium channel, voltage-dependent, L type, alpha 1D subunit	-0.87735	Inlier
siRNA Disorazole DMSO Run3	NM_000720	CACNA1D	calcium channel, voltage-dependent, L type, alpha 1D subunit	-0.173924	Inlier
siRNA Disorazole DMSO Run1	NM_000720	CACNA1D	calcium channel, voltage-dependent, L type, alpha 1D subunit	-0.101625	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0007 20	CACNA1D	calcium channel, voltage-dependent, L type, alpha 1D subunit	0.101625	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0007 20	CACNA1D	calcium channel, voltage-dependent, L type, alpha 1D subunit	0.47165	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0007 20	CACNA1D	calcium channel, voltage-dependent, L type, alpha 1D subunit	1.562403	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0007 20	CACNA1D	calcium channel, voltage-dependent, L type, alpha 1D subunit	1.919595	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0007 21	CACNA1E	calcium channel, voltage-dependent, alpha 1E subunit	-0.961573	Inlier
siRNA Disorazole DMSO Run2	NM_0007 21	CACNA1E	calcium channel, voltage-dependent, alpha 1E subunit	-0.637699	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0007 21	CACNA1E	calcium channel, voltage-dependent, alpha 1E subunit	-0.313144	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0007 21	CACNA1E	calcium channel, voltage-dependent, alpha 1E subunit	-0.309728	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0007 21	CACNA1E	calcium channel, voltage-dependent, alpha 1E subunit	0.309728	Inlier
siRNA Disorazole DMSO Run1	NM_0007 21	CACNA1E	calcium channel, voltage-dependent, alpha 1E subunit	0.711301	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0007 21	CACNA1E	calcium channel, voltage-dependent, alpha 1E subunit	0.823665	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0007 21	CACNA1E	calcium channel, voltage-dependent, alpha 1E subunit	1.230241	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0051 83	CACNA1F	calcium channel, voltage-dependent, alpha 1F subunit	-1.533316	Inlier
siRNA Disorazole DMSO Run2	NM_0051 83	CACNA1F	calcium channel, voltage-dependent, alpha 1F subunit	-1.07133	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0051 83	CACNA1F	calcium channel, voltage-dependent, alpha 1F subunit	-0.131173	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0051 83	CACNA1F	calcium channel, voltage-dependent, alpha 1F subunit	-0.054249	Inlier
siRNA Disorazole DMSO Run1	NM_0051 83	CACNA1F	calcium channel, voltage-dependent, alpha 1F subunit	0.05425	Inlier
siRNA Disorazole DMSO Run3	NM_0051 83	CACNA1F	calcium channel, voltage-dependent, alpha 1F subunit	0.561208	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0051 83	CACNA1F	calcium channel, voltage-dependent, alpha 1F subunit	0.787792	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0051 83	CACNA1F	calcium channel, voltage-dependent, alpha 1F subunit	0.800571	Inlier
siRNA Disorazole DMSO Run2	NM_1983 77	CACNA1G	calcium channel, voltage-dependent, alpha 1G subunit	-1.027177	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_1983 77	CACNA1G	calcium channel, voltage-dependent, alpha 1G subunit	-0.967222	Inlier
siRNA Disorazole DMSO Run3	NM_1983 77	CACNA1G	calcium channel, voltage-dependent, alpha 1G subunit	-0.56611	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1983 77	CACNA1G	calcium channel, voltage-dependent, alpha 1G subunit	-0.391057	Inlier
siRNA Disorazole DMSO Run1	NM_1983 77	CACNA1G	calcium channel, voltage-dependent, alpha 1G subunit	0.391057	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1983 77	CACNA1G	calcium channel, voltage-dependent, alpha 1G subunit	0.396037	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1983 77	CACNA1G	calcium channel, voltage-dependent, alpha 1G subunit	0.78289	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1983 77	CACNA1G	calcium channel, voltage-dependent, alpha 1G subunit	1.072008	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_021098	CACNA1H	calcium channel, voltage-dependent, alpha 1H subunit	-2.637155	Inlier
siRNA-Temozolomide Run1-DMSO	NM_021098	CACNA1H	calcium channel, voltage-dependent, alpha 1H subunit	-1.232848	Inlier
siRNA Disorazole DMSO Run1	NM_021098	CACNA1H	calcium channel, voltage-dependent, alpha 1H subunit	-0.604072	Inlier
siRNA-Temozolomide Run3-DMSO	NM_021098	CACNA1H	calcium channel, voltage-dependent, alpha 1H subunit	-0.032713	Inlier
siRNA-Vinblastine Run2-DMSO	NM_021098	CACNA1H	calcium channel, voltage-dependent, alpha 1H subunit	0.032714	Inlier
siRNA Disorazole DMSO Run2	NM_021098	CACNA1H	calcium channel, voltage-dependent, alpha 1H subunit	0.213982	Inlier
siRNA-Vinblastine Run1-DMSO	NM_021098	CACNA1H	calcium channel, voltage-dependent, alpha 1H subunit	0.744928	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0210 98	CACNA1H	calcium channel, voltage-dependent, alpha 1H subunit	1.989021	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0210 96	CACNA1I	calcium channel, voltage-dependent, alpha 1I subunit	-2.728696	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0210 96	CACNA1I	calcium channel, voltage-dependent, alpha 1I subunit	-1.810101	Inlier
siRNA Disorazole DMSO Run3	NM_0210 96	CACNA1I	calcium channel, voltage-dependent, alpha 1I subunit	-0.663588	Inlier
siRNA Disorazole DMSO Run1	NM_0210 96	CACNA1I	calcium channel, voltage-dependent, alpha 1I subunit	-0.192785	Inlier
siRNA Disorazole DMSO Run2	NM_0210 96	CACNA1I	calcium channel, voltage-dependent, alpha 1I subunit	0.192785	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0210 96	CACNA1I	calcium channel, voltage-dependent, alpha 1I subunit	0.454062	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0210 96	CACNA1I	calcium channel, voltage-dependent, alpha 1I subunit	0.685412	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_021096	CACNA1I	calcium channel, voltage-dependent, alpha 1I subunit	1.241433	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000069	CACNA1S	calcium channel, voltage-dependent, L type, alpha 1S subunit	-0.999403	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000069	CACNA1S	calcium channel, voltage-dependent, L type, alpha 1S subunit	-0.944814	Inlier
siRNA Disorazole DMSO Run3	NM_000069	CACNA1S	calcium channel, voltage-dependent, L type, alpha 1S subunit	-0.212063	Inlier
siRNA Disorazole DMSO Run2	NM_000069	CACNA1S	calcium channel, voltage-dependent, L type, alpha 1S subunit	-0.084351	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000069	CACNA1S	calcium channel, voltage-dependent, L type, alpha 1S subunit	0.084351	Inlier
siRNA Disorazole DMSO Run1	NM_000069	CACNA1S	calcium channel, voltage-dependent, L type, alpha 1S subunit	0.553596	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_000069	CACNA1S	calcium channel, voltage-dependent, L type, alpha 1S subunit	0.795404	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000069	CACNA1S	calcium channel, voltage-dependent, L type, alpha 1S subunit	0.94963	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000722	CACNA2D1	calcium channel, voltage-dependent, alpha 2/delta subunit 1	-0.956957	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000722	CACNA2D1	calcium channel, voltage-dependent, alpha 2/delta subunit 1	-0.814269	Inlier
siRNA Disorazole DMSO Run2	NM_000722	CACNA2D1	calcium channel, voltage-dependent, alpha 2/delta subunit 1	-0.483054	Inlier
siRNA Disorazole DMSO Run3	NM_000722	CACNA2D1	calcium channel, voltage-dependent, alpha 2/delta subunit 1	-0.317843	Inlier
siRNA Disorazole DMSO Run1	NM_000722	CACNA2D1	calcium channel, voltage-dependent, alpha 2/delta subunit 1	0.317843	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_000722	CACNA2D1	calcium channel, voltage-dependent, alpha 2/delta subunit 1	0.534731	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000722	CACNA2D1	calcium channel, voltage-dependent, alpha 2/delta subunit 1	0.847719	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000722	CACNA2D1	calcium channel, voltage-dependent, alpha 2/delta subunit 1	0.953786	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001005505	CACNA2D2	calcium channel, voltage-dependent, alpha 2/delta subunit 2	-1.346811	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001005505	CACNA2D2	calcium channel, voltage-dependent, alpha 2/delta subunit 2	-0.899188	Inlier
siRNA Disorazole DMSO Run3	NM_001005505	CACNA2D2	calcium channel, voltage-dependent, alpha 2/delta subunit 2	-0.252777	Inlier
siRNA Disorazole DMSO Run1	NM_001005505	CACNA2D2	calcium channel, voltage-dependent, alpha 2/delta subunit 2	-0.006003	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

				calcium channel, voltage-dependent, alpha 2/delta subunit 2	
siRNA Disorazole DMSO Run2	NM_0010 05505	CACNA2D 2		calcium channel, voltage-dependent, alpha 2/delta subunit 2	0.006003 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 05505	CACNA2D 2		calcium channel, voltage-dependent, alpha 2/delta subunit 2	0.449812 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 05505	CACNA2D 2		calcium channel, voltage-dependent, alpha 2/delta subunit 2	1.315604 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 05505	CACNA2D 2		calcium channel, voltage-dependent, alpha 2/delta subunit 2	1.331009 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0183 98	CACNA2D 3		calcium channel, voltage-dependent, alpha 2/delta 3 subunit	-0.936978 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0183 98	CACNA2D 3		calcium channel, voltage-dependent, alpha 2/delta 3 subunit	-0.799395 Inlier
siRNA Disorazole DMSO Run3	NM_0183 98	CACNA2D 3		calcium channel, voltage-dependent, alpha 2/delta 3 subunit	-0.549605 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Accession	Subunit	Value	Outlier Type
siRNA Disorazole DMSO Run2	NM_0183 98	CACNA2D	3	calcium channel, voltage-dependent, alpha 2/delta 3 subunit	-0.095679	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0183 98	CACNA2D	3	calcium channel, voltage-dependent, alpha 2/delta 3 subunit	0.095679	Inlier
siRNA Disorazole DMSO Run1	NM_0183 98	CACNA2D	3	calcium channel, voltage-dependent, alpha 2/delta 3 subunit	0.386669	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0183 98	CACNA2D	3	calcium channel, voltage-dependent, alpha 2/delta 3 subunit	1.780707	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0183 98	CACNA2D	3	calcium channel, voltage-dependent, alpha 2/delta 3 subunit	2.098466	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1723 64	CACNA2D	4	calcium channel, voltage-dependent, alpha 2/delta subunit 4	-1.026648	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1723 64	CACNA2D	4	calcium channel, voltage-dependent, alpha 2/delta subunit 4	-0.72506	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Transcript	Value	Category
siRNA Disorazole DMSO Run3	CACNA2D	NM_1723	2/delta subunit 4	-0.604672	Inlier
siRNA Disorazole DMSO Run2	CACNA2D	NM_1723	2/delta subunit 4	-0.344998	Inlier
siRNA Disorazole DMSO Run1	CACNA2D	NM_1723	2/delta subunit 4	0.344998	Inlier
siRNA-Temozolomide Run1-DMSO	CACNA2D	NM_1723	2/delta subunit 4	0.62394	Inlier
siRNA-Vinblastine Run2-DMSO	CACNA2D	NM_1723	2/delta subunit 4	1.369194	Inlier
siRNA-Vinblastine Run1-DMSO	CACNA2D	NM_1723	2/delta subunit 4	1.442941	Inlier
siRNA-Temozolomide Run3-DMSO	CACNB1	NM_1992	beta 1 subunit	-3.038376	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_1992 48	CACNB1	calcium channel, voltage-dependent, beta 1 subunit	-2.628631	Inlier
siRNA Disorazole DMSO Run3	NM_1992 48	CACNB1	calcium channel, voltage-dependent, beta 1 subunit	-1.573581	Inlier
siRNA Disorazole DMSO Run2	NM_1992 48	CACNB1	calcium channel, voltage-dependent, beta 1 subunit	-0.063339	Inlier
siRNA Disorazole DMSO Run1	NM_1992 48	CACNB1	calcium channel, voltage-dependent, beta 1 subunit	0.063339	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1992 48	CACNB1	calcium channel, voltage-dependent, beta 1 subunit	0.287121	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1992 48	CACNB1	calcium channel, voltage-dependent, beta 1 subunit	0.386709	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1992 48	CACNB1	calcium channel, voltage-dependent, beta 1 subunit	0.962291	Inlier
siRNA-Temozolomide Run3-DMSO	NM_2015 96	CACNB2	calcium channel, voltage-dependent, beta 2 subunit	-0.993213	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_2015 96	CACNB2	calcium channel, voltage-dependent, beta 2 subunit	-0.854139	Inlier
siRNA Disorazole DMSO Run2	NM_2015 96	CACNB2	calcium channel, voltage-dependent, beta 2 subunit	-0.796976	Inlier
siRNA Disorazole DMSO Run3	NM_2015 96	CACNB2	calcium channel, voltage-dependent, beta 2 subunit	-0.212208	Inlier
siRNA Disorazole DMSO Run1	NM_2015 96	CACNB2	calcium channel, voltage-dependent, beta 2 subunit	0.212208	Inlier
siRNA-Temozolomide Run1-DMSO	NM_2015 96	CACNB2	calcium channel, voltage-dependent, beta 2 subunit	0.389815	Inlier
siRNA-Vinblastine Run1-DMSO	NM_2015 96	CACNB2	calcium channel, voltage-dependent, beta 2 subunit	0.552024	Inlier
siRNA-Vinblastine Run2-DMSO	NM_2015 96	CACNB2	calcium channel, voltage-dependent, beta 2 subunit	1.269428	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0007 25	CACNB3	calcium channel, voltage-dependent, beta 3 subunit	-2.055401	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0007 25	CACNB3	calcium channel, voltage-dependent, beta 3 subunit	-1.237472	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0007 25	CACNB3	calcium channel, voltage-dependent, beta 3 subunit	-0.065382	Inlier
siRNA Disorazole DMSO Run1	NM_0007 25	CACNB3	calcium channel, voltage-dependent, beta 3 subunit	-0.032884	Inlier
siRNA Disorazole DMSO Run3	NM_0007 25	CACNB3	calcium channel, voltage-dependent, beta 3 subunit	0.032884	Inlier
siRNA Disorazole DMSO Run2	NM_0007 25	CACNB3	calcium channel, voltage-dependent, beta 3 subunit	0.233189	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0007 25	CACNB3	calcium channel, voltage-dependent, beta 3 subunit	1.115811	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0007 25	CACNB3	calcium channel, voltage-dependent, beta 3 subunit	2.161862	Inlier
siRNA Disorazole DMSO Run2	NM_0010 05747	CACNB4	calcium channel, voltage-dependent, beta 4 subunit	-1.050524	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_001005747	CACNB4	calcium channel, voltage-dependent, beta 4 subunit	-0.886576	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001005747	CACNB4	calcium channel, voltage-dependent, beta 4 subunit	-0.634546	Inlier
siRNA Disorazole DMSO Run1	NM_001005747	CACNB4	calcium channel, voltage-dependent, beta 4 subunit	-0.116522	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001005747	CACNB4	calcium channel, voltage-dependent, beta 4 subunit	0.116522	Inlier
siRNA Disorazole DMSO Run3	NM_001005747	CACNB4	calcium channel, voltage-dependent, beta 4 subunit	0.137854	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001005747	CACNB4	calcium channel, voltage-dependent, beta 4 subunit	0.714454	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001005747	CACNB4	calcium channel, voltage-dependent, beta 4 subunit	0.739101	Inlier
siRNA Disorazole DMSO Run2	NM_000727	CACNG1	gamma subunit 1	-0.684399	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0007 27	CACNG1	calcium channel, voltage-dependent, gamma subunit 1	-0.664601	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0007 27	CACNG1	calcium channel, voltage-dependent, gamma subunit 1	-0.199204	Inlier
siRNA Disorazole DMSO Run1	NM_0007 27	CACNG1	calcium channel, voltage-dependent, gamma subunit 1	-0.015164	Inlier
siRNA Disorazole DMSO Run3	NM_0007 27	CACNG1	calcium channel, voltage-dependent, gamma subunit 1	0.015163	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0007 27	CACNG1	calcium channel, voltage-dependent, gamma subunit 1	0.938799	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0007 27	CACNG1	calcium channel, voltage-dependent, gamma subunit 1	1.928026	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0007 27	CACNG1	calcium channel, voltage-dependent, gamma subunit 1	2.832161	Inlier
siRNA Disorazole DMSO Run2	NM_0060 78	CACNG2	calcium channel, voltage-dependent, gamma subunit 2	-1.463405	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_006078	CACNG2	calcium channel, voltage-dependent, gamma subunit 2	-1.214549	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006078	CACNG2	calcium channel, voltage-dependent, gamma subunit 2	-0.545017	Inlier
siRNA Disorazole DMSO Run3	NM_006078	CACNG2	calcium channel, voltage-dependent, gamma subunit 2	-0.5094	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006078	CACNG2	calcium channel, voltage-dependent, gamma subunit 2	0.509399	Inlier
siRNA Disorazole DMSO Run1	NM_006078	CACNG2	calcium channel, voltage-dependent, gamma subunit 2	0.542422	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006078	CACNG2	calcium channel, voltage-dependent, gamma subunit 2	0.803983	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006078	CACNG2	calcium channel, voltage-dependent, gamma subunit 2	2.163374	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006539	CACNG3	calcium channel, voltage-dependent, gamma subunit 3	-2.147348	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0065 39	CACNG3	calcium channel, voltage-dependent, gamma subunit 3	-1.404976	Inlier
siRNA Disorazole DMSO Run2	NM_0065 39	CACNG3	calcium channel, voltage-dependent, gamma subunit 3	-0.6109	Inlier
siRNA Disorazole DMSO Run3	NM_0065 39	CACNG3	calcium channel, voltage-dependent, gamma subunit 3	-0.161845	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0065 39	CACNG3	calcium channel, voltage-dependent, gamma subunit 3	0.161845	Inlier
siRNA Disorazole DMSO Run1	NM_0065 39	CACNG3	calcium channel, voltage-dependent, gamma subunit 3	0.29085	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0065 39	CACNG3	calcium channel, voltage-dependent, gamma subunit 3	0.7381	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0065 39	CACNG3	calcium channel, voltage-dependent, gamma subunit 3	0.81535	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0144 05	CACNG4	calcium channel, voltage-dependent, gamma subunit 4	-1.767217	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0144 05	CACNG4	calcium channel, voltage-dependent, gamma subunit 4	-0.697388	Inlier
siRNA Disorazole DMSO Run3	NM_0144 05	CACNG4	calcium channel, voltage-dependent, gamma subunit 4	-0.239483	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0144 05	CACNG4	calcium channel, voltage-dependent, gamma subunit 4	-0.017356	Inlier
siRNA Disorazole DMSO Run2	NM_0144 05	CACNG4	calcium channel, voltage-dependent, gamma subunit 4	0.017356	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0144 05	CACNG4	calcium channel, voltage-dependent, gamma subunit 4	0.651612	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0144 05	CACNG4	calcium channel, voltage-dependent, gamma subunit 4	2.420946	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0144 05	CACNG4	calcium channel, voltage-dependent, gamma subunit 4	2.810598	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1458 11	CACNG5	gamma subunit 5	-1.427465	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_1458 11	CACNG5	calcium channel, voltage-dependent, gamma subunit 5	-1.040005	Inlier
siRNA Disorazole DMSO Run3	NM_1458 11	CACNG5	calcium channel, voltage-dependent, gamma subunit 5	-0.518231	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1458 11	CACNG5	calcium channel, voltage-dependent, gamma subunit 5	-0.484367	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1458 11	CACNG5	calcium channel, voltage-dependent, gamma subunit 5	0.484367	Inlier
siRNA Disorazole DMSO Run1	NM_1458 11	CACNG5	calcium channel, voltage-dependent, gamma subunit 5	0.604758	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1458 11	CACNG5	calcium channel, voltage-dependent, gamma subunit 5	0.744242	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1458 11	CACNG5	calcium channel, voltage-dependent, gamma subunit 5	0.989345	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1458 14	CACNG6	calcium channel, voltage-dependent, gamma subunit 6	-0.743113	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_1458 14	CACNG6	calcium channel, voltage-dependent, gamma subunit 6	-0.728301	Inlier
siRNA Disorazole DMSO Run2	NM_1458 14	CACNG6	calcium channel, voltage-dependent, gamma subunit 6	-0.621969	Inlier
siRNA Disorazole DMSO Run3	NM_1458 14	CACNG6	calcium channel, voltage-dependent, gamma subunit 6	-0.139586	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1458 14	CACNG6	calcium channel, voltage-dependent, gamma subunit 6	0.139586	Inlier
siRNA Disorazole DMSO Run1	NM_1458 14	CACNG6	calcium channel, voltage-dependent, gamma subunit 6	0.500977	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1458 14	CACNG6	calcium channel, voltage-dependent, gamma subunit 6	0.727031	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1458 14	CACNG6	calcium channel, voltage-dependent, gamma subunit 6	0.803444	Inlier
siRNA Disorazole DMSO Run2	NM_0318 96	CACNG7	calcium channel, voltage-dependent, gamma subunit 7	-2.911469	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0318 96	CACNG7	calcium channel, voltage-dependent, gamma subunit 7	-1.223644	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0318 96	CACNG7	calcium channel, voltage-dependent, gamma subunit 7	-0.326447	Inlier
siRNA Disorazole DMSO Run3	NM_0318 96	CACNG7	calcium channel, voltage-dependent, gamma subunit 7	-0.058094	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0318 96	CACNG7	calcium channel, voltage-dependent, gamma subunit 7	0.058094	Inlier
siRNA Disorazole DMSO Run1	NM_0318 96	CACNG7	calcium channel, voltage-dependent, gamma subunit 7	0.349744	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0318 96	CACNG7	calcium channel, voltage-dependent, gamma subunit 7	0.999256	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0318 96	CACNG7	calcium channel, voltage-dependent, gamma subunit 7	1.916279	Inlier
siRNA Disorazole DMSO Run2	NM_0318 95	CACNG8	calcium channel, voltage-dependent, gamma subunit 8	-0.801945	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Gene Name	Value	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_031895	CACNG8	calcium channel, voltage-dependent, gamma subunit 8	-0.76082	Inlier
siRNA-Temozolomide Run3-DMSO	NM_031895	CACNG8	calcium channel, voltage-dependent, gamma subunit 8	-0.659388	Inlier
siRNA Disorazole DMSO Run3	NM_031895	CACNG8	calcium channel, voltage-dependent, gamma subunit 8	-0.133311	Inlier
siRNA Disorazole DMSO Run1	NM_031895	CACNG8	calcium channel, voltage-dependent, gamma subunit 8	0.133311	Inlier
siRNA-Temozolomide Run1-DMSO	NM_031895	CACNG8	calcium channel, voltage-dependent, gamma subunit 8	0.191478	Inlier
siRNA-Vinblastine Run1-DMSO	NM_031895	CACNG8	calcium channel, voltage-dependent, gamma subunit 8	0.689613	Inlier
siRNA-Vinblastine Run2-DMSO	NM_031895	CACNG8	calcium channel, voltage-dependent, gamma subunit 8	1.245689	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0043 41	CAD	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	-1.631354	Inlier
siRNA Disorazole DMSO Run3	NM_0043 41	CAD	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	-0.927824	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0043 41	CAD	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	-0.412775	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0043 41	CAD	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	-0.100747	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0043 41	CAD	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	0.100748 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0043 41	CAD	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	0.421176 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0043 41	CAD	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	1.258441 Inlier
siRNA Disorazole DMSO Run2	NM_0043 41	CAD	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	1.487134 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_1833 93	CADPS	Ca2+-dependent secretion activator	-1.106668	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1833 93	CADPS	Ca2+-dependent secretion activator	-0.723518	Inlier
siRNA Disorazole DMSO Run1	NM_1833 93	CADPS	Ca2+-dependent secretion activator	-0.625482	Inlier
siRNA Disorazole DMSO Run3	NM_1833 93	CADPS	Ca2+-dependent secretion activator	-0.114228	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1833 93	CADPS	Ca2+-dependent secretion activator	0.114228	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1833 93	CADPS	Ca2+-dependent secretion activator	0.317215	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1833 93	CADPS	Ca2+-dependent secretion activator	0.955801	Inlier
siRNA Disorazole DMSO Run2	NM_1833 93	CADPS	Ca2+-dependent secretion activator	1.754694	Inlier
siRNA Disorazole DMSO Run2	NM_0017 42	CALCR	calcitonin receptor	-2.168746	Inlier
siRNA Disorazole DMSO Run1	NM_0017 42	CALCR	calcitonin receptor	-1.44784	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0017 42	CALCR	calcitonin receptor	-0.371216	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0017 42	CALCR	calcitonin receptor	-0.334385	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0017 42	CALCR	calcitonin receptor	0.334385	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0017 42	CALCR	calcitonin receptor	0.668528	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Vinblastine Run2- DMSO	NM_0017 42	CALCR	calcitonin receptor	0.680472	Inlier
siRNA Disorazole DMSO Run3	NM_0017 42	CALCR	calcitonin receptor	1.424038	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0057 95	CALCRL	calcitonin receptor- like	-2.953812	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0057 95	CALCRL	calcitonin receptor- like	-1.136063	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0057 95	CALCRL	calcitonin receptor- like	-0.480832	Inlier
siRNA Disorazole DMSO Run2	NM_0057 95	CALCRL	calcitonin receptor- like	-0.108489	Inlier
siRNA Disorazole DMSO Run1	NM_0057 95	CALCRL	calcitonin receptor- like	0.10849	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0057 95	CALCRL	calcitonin receptor- like	0.351045	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0057 95	CALCRL	calcitonin receptor- like	0.868168	Inlier
siRNA Disorazole DMSO Run3	NM_0057 95	CALCRL	calcitonin receptor- like	1.966023	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0068 88	CALM1	calmodulin 1 (phosphor ylase kinase, delta)	-2.862481	Inlier
siRNA Disorazole DMSO Run2	NM_0068 88	CALM1	calmodulin 1 (phosphor ylase kinase, delta)	-1.025678	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0068 88	CALM1	calmodulin 1 (phosphor ylase kinase, delta)	-0.486858	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0068 88	CALM1	calmodulin 1 (phosphor ylase kinase, delta)	-0.481633	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Value	Category
siRNA-Vinblastine Run2-DMSO	NM_006888	CALM1	calmodulin 1 (phosphorylase kinase, delta)	0.481633	Inlier
siRNA Disorazole DMSO Run1	NM_006888	CALM1	calmodulin 1 (phosphorylase kinase, delta)	0.570387	Inlier
siRNA Disorazole DMSO Run3	NM_006888	CALM1	calmodulin 1 (phosphorylase kinase, delta)	0.778613	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006888	CALM1	calmodulin 2 (phosphorylase kinase, delta)	1.001393	Inlier
siRNA Disorazole DMSO Run2	NM_001743	CALM2	calmodulin 2 (phosphorylase kinase, delta)	-0.802361	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001743	CALM2	calmodulin 2 (phosphorylase kinase, delta)	-0.656627	Inlier
siRNA Disorazole DMSO Run3	NM_001743	CALM2	calmodulin 2 (phosphorylase kinase, delta)	-0.262373	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001743	CALM2	calmodulin 2 (phosphorylase kinase, delta)	-0.021364	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Value	Outlier Type
siRNA-Temozolomide Run1-DMSO	NM_001743	CALM2	calmodulin 2 (phosphorylase kinase, delta)	0.021363	Inlier
siRNA Disorazole DMSO Run1	NM_001743	CALM2	calmodulin 2 (phosphorylase kinase, delta)	0.692373	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001743	CALM2	calmodulin 2 (phosphorylase kinase, delta)	0.795584	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001743	CALM2	calmodulin 3 (phosphorylase kinase, delta)	0.974036	Inlier
siRNA Disorazole DMSO Run2	NM_005184	CALM3	calmodulin 3 (phosphorylase kinase, delta)	-0.794638	Inlier
siRNA Disorazole DMSO Run3	NM_005184	CALM3	calmodulin 3 (phosphorylase kinase, delta)	-0.787752	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005184	CALM3	calmodulin 3 (phosphorylase kinase, delta)	-0.114238	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005184	CALM3	calmodulin 3 (phosphorylase kinase, delta)	-0.108105	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			calmodulin 3 (phosphor ylase kinase, delta)	0.108104	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0051 84	CALM3	calmodulin 3 (phosphor ylase kinase, delta)	0.561248	Inlier
siRNA Disorazole DMSO Run1	NM_0051 84	CALM3	calmodulin 3 (phosphor ylase kinase, delta)	1.425748	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0051 84	CALM3	calmodulin 3 (phosphor ylase kinase, delta)	1.531323	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0051 84	CALM3	calmodulin 3 (phosphor ylase kinase, delta)	-1.642247	Inlier
siRNA Disorazole DMSO Run1	NM_0043 43	CALR	calreticulin	-1.104932	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0043 43	CALR	calreticulin	-1.018899	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0043 43	CALR	calreticulin	-0.012806	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0043 43	CALR	calreticulin	0.012807	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0043 43	CALR	calreticulin	0.083798	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0043 43	CALR	calreticulin	0.330101	Inlier
siRNA Disorazole DMSO Run2	NM_0043 43	CALR	calreticulin	1.121347	Inlier
siRNA Disorazole DMSO Run3	NM_0043 43	CALR	calreticulin calcium/ca lmodulin- dependent protein	-2.164243	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0036 56	CAMK1	kinase I calcium/ca lmodulin- dependent protein	-1.579424	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0036 56	CAMK1	kinase I		

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0036 56	CAMK1	calcium/calmodulin-dependent protein kinase I	-0.23868	Inlier
siRNA Disorazole DMSO Run1	NM_0036 56	CAMK1	calcium/calmodulin-dependent protein kinase I	-0.106887	Inlier
siRNA Disorazole DMSO Run2	NM_0036 56	CAMK1	calcium/calmodulin-dependent protein kinase I	0.106888	Inlier
siRNA Disorazole DMSO Run3	NM_0036 56	CAMK1	calcium/calmodulin-dependent protein kinase I	0.212042	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0036 56	CAMK1	calcium/calmodulin-dependent protein kinase I	1.11032	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0036 56	CAMK1	calcium/calmodulin-dependent protein kinase I	3.010448	Inlier
siRNA Disorazole DMSO Run2	NM_1534 98	CAMK1D	calcium/calmodulin-dependent protein kinase ID	-2.322939	Inlier
siRNA Disorazole DMSO Run3	NM_1534 98	CAMK1D	calcium/calmodulin-dependent protein kinase ID	-1.149502	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1534 98	CAMK1D	calcium/calmodulin-dependent protein kinase ID	-0.745508	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1534 98	CAMK1D	calcium/calmodulin-dependent protein kinase ID	-0.017099	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Value	Outlier Status
siRNA-Temozolomide Run1-DMSO	NM_153498	CAMK1D	calcium/calmodulin-dependent protein kinase ID	0.017099	Inlier
siRNA-Vinblastine Run2-DMSO	NM_153498	CAMK1D	calcium/calmodulin-dependent protein kinase ID	0.445577	Inlier
siRNA-Vinblastine Run1-DMSO	NM_153498	CAMK1D	calcium/calmodulin-dependent protein kinase ID	0.603492	Inlier
siRNA Disorazole DMSO Run1	NM_153498	CAMK1D	calcium/calmodulin-dependent protein kinase ID	1.268287	Inlier
siRNA-Temozolomide Run1-DMSO	NM_020439	CAMK1G	calcium/calmodulin-dependent protein kinase IG	-0.762598	Inlier
siRNA-Temozolomide Run2-DMSO	NM_020439	CAMK1G	calcium/calmodulin-dependent protein kinase IG	-0.586402	Inlier
siRNA Disorazole DMSO Run2	NM_020439	CAMK1G	calcium/calmodulin-dependent protein kinase IG	-0.380478	Inlier
siRNA-Temozolomide Run3-DMSO	NM_020439	CAMK1G	calcium/calmodulin-dependent protein kinase IG	-0.312931	Inlier
siRNA Disorazole DMSO Run3	NM_020439	CAMK1G	calcium/calmodulin-dependent protein kinase IG	0.312931	Inlier
siRNA Disorazole DMSO Run1	NM_020439	CAMK1G	calcium/calmodulin-dependent protein kinase IG	2.469808	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0204 39	CAMK1G	calcium/calcium-dependent protein kinase IG	2.760232	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0204 39	CAMK1G	calcium/calcium-dependent protein kinase IG	3.43878	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1718 25	CAMK2A	calcium/calcium-dependent protein kinase (CaM kinase) II alpha	-1.643852	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1718 25	CAMK2A	calcium/calcium-dependent protein kinase (CaM kinase) II alpha	-0.834349	Inlier
siRNA Disorazole DMSO Run2	NM_1718 25	CAMK2A	calcium/calcium-dependent protein kinase (CaM kinase) II alpha	-0.179784	Inlier
siRNA Disorazole DMSO Run3	NM_1718 25	CAMK2A	calcium/calcium-dependent protein kinase (CaM kinase) II alpha	-0.045948	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1718 25	CAMK2A	calcium/calcium-dependent protein kinase (CaM kinase) II alpha	0.045947	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Protein	Value	Outlier
siRNA-Temozolomide Run1-DMSO	NM_1718	25	CAMK2A	0.514651	Inlier
			calcium/calmodulin-dependent protein kinase (CaM kinase) II alpha		
siRNA Disorazole DMSO Run1	NM_1718	25	CAMK2A	1.190421	Inlier
			calcium/calmodulin-dependent protein kinase (CaM kinase) II alpha		
siRNA-Vinblastine Run2-DMSO	NM_1718	25	CAMK2A	1.376899	Inlier
			calcium/calmodulin-dependent protein kinase (CaM kinase) II alpha		
siRNA-Temozolomide Run3-DMSO	NM_1720	84	CAMK2B	-1.129416	Inlier
			calcium/calmodulin-dependent protein kinase (CaM kinase) II beta		
siRNA Disorazole DMSO Run3	NM_1720	84	CAMK2B	-0.906945	Inlier
			calcium/calmodulin-dependent protein kinase (CaM kinase) II beta		
siRNA-Temozolomide Run2-DMSO	NM_1720	84	CAMK2B	-0.732561	Inlier
			calcium/calmodulin-dependent protein kinase (CaM kinase) II beta		

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Drug	Run	Gene	Accession	Gene Name	Value	Outlier
siRNA Disorazole	DMSO	Run1	CAMK2B	NM_172084	calcium/calmodulin-dependent protein kinase (CaM kinase) II beta	-0.150249	Inlier
siRNA-Temozolomide	Run1-DMSO		CAMK2B	NM_172084	calcium/calmodulin-dependent protein kinase (CaM kinase) II beta	0.150249	Inlier
siRNA Disorazole	DMSO	Run2	CAMK2B	NM_172084	calcium/calmodulin-dependent protein kinase (CaM kinase) II beta	0.1975	Inlier
siRNA-Vinblastine	Run1-DMSO		CAMK2B	NM_172084	calcium/calmodulin-dependent protein kinase (CaM kinase) II beta	0.616439	Inlier
siRNA-Vinblastine	Run2-DMSO		CAMK2B	NM_172084	calcium/calmodulin-dependent protein kinase (CaM kinase) II beta	0.766363	Inlier
siRNA Disorazole	DMSO	Run2	CAMK2D	NM_172115	calcium/calmodulin-dependent protein kinase (CaM kinase) II delta	-1.034385	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Drug	Run	Gene	Value	Outlier
siRNA Disorazole	DMSO	Run3	CAMK2D	-0.810287	Inlier
siRNA-Temozolomide	Run3-DMSO	Run3	CAMK2D	-0.768927	Inlier
siRNA-Temozolomide	Run2-DMSO	Run2	CAMK2D	-0.154246	Inlier
siRNA-Temozolomide	Run1-DMSO	Run1	CAMK2D	0.154246	Inlier
siRNA-Vinblastine	Run1-DMSO	Run1	CAMK2D	0.403151	Inlier
siRNA Disorazole	DMSO	Run1	CAMK2D	0.580073	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_1721 15	CAMK2D	calcium/calmodulin-dependent protein kinase (CaM kinase) II delta	1.333222	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1721 73	CAMK2G	calcium/calmodulin-dependent protein kinase (CaM kinase) II gamma	-7.673792	Outlier
siRNA-Temozolomide Run2-DMSO	NM_1721 73	CAMK2G	calcium/calmodulin-dependent protein kinase (CaM kinase) II gamma	-0.405876	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1721 73	CAMK2G	calcium/calmodulin-dependent protein kinase (CaM kinase) II gamma	-0.127983	Inlier
siRNA Disorazole DMSO Run2	NM_1721 73	CAMK2G	calcium/calmodulin-dependent protein kinase (CaM kinase) II gamma	-0.068636	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1721 73	CAMK2G	calcium/calmodulin-dependent protein kinase (CaM kinase) II gamma	0.068636	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Condition	Run	Gene	Accession	Protein	Value	Category
siRNA Disorazole	DMSO	Run3	CAMK2G	NM_172173	calcium/calmodulin-dependent protein kinase (CaM kinase) II gamma	0.943124	Inlier
siRNA-Vinblastine	Run2-DMSO		CAMK2G	NM_172173	calcium/calmodulin-dependent protein kinase (CaM kinase) II gamma	5.145699	Outlier
siRNA Disorazole	DMSO	Run1	CAMK2G	NM_172173	calcium/calmodulin-dependent protein kinase (CaM kinase) II gamma	8.913084	Outlier
siRNA Disorazole	DMSO	Run3	CAMK4	NM_001744	calcium/calmodulin-dependent protein kinase IV	-1.26315	Inlier
siRNA Disorazole	DMSO	Run2	CAMK4	NM_001744	calcium/calmodulin-dependent protein kinase IV	-1.179184	Inlier
siRNA-Temozolomide	Run3-DMSO		CAMK4	NM_001744	calcium/calmodulin-dependent protein kinase IV	-0.66164	Inlier
siRNA-Temozolomide	Run2-DMSO		CAMK4	NM_001744	calcium/calmodulin-dependent protein kinase IV	-0.12656	Inlier
siRNA-Vinblastine	Run1-DMSO		CAMK4	NM_001744	calcium/calmodulin-dependent protein kinase IV	0.12656	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0017 44	CAMK4	calcium/calmodulin-dependent protein kinase IV	0.480228	Inlier
siRNA Disorazole DMSO Run1	NM_0017 44	CAMK4	calcium/calmodulin-dependent protein kinase IV	0.68736	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0017 44	CAMK4	calcium/calmodulin-dependent protein kinase IV	1.646594	Inlier
siRNA Disorazole DMSO Run2	NM_0185 84	CaMKIIINal pha	kinase II inhibitor 1	-0.741848	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0185 84	CaMKIIINal pha	kinase II inhibitor 1	-0.626131	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0185 84	CaMKIIINal pha	kinase II inhibitor 1	-0.379952	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0185 84	CaMKIIINal pha	kinase II inhibitor 1	-0.168035	Inlier
siRNA Disorazole DMSO Run3	NM_0185 84	CaMKIIINal pha	kinase II inhibitor 1	0.168035	Inlier
siRNA Disorazole DMSO Run1	NM_0185 84	CaMKIIINal pha	kinase II inhibitor 1	0.722869	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Description	Log2 Fold Change	Outlier Status
siRNA-Vinblastine Run2-DMSO	NM_018584	CaMKIIINal pha	calcium/calmodulin-dependent protein kinase II inhibitor 1	1.051057	Inlier
siRNA-Vinblastine Run1-DMSO	NM_018584	CaMKIIINal pha	calcium/calmodulin-dependent protein kinase II inhibitor 1	1.269762	Inlier
siRNA-Temozolomide Run3-DMSO	NM_032294	CAMKK1	calcium/calmodulin-dependent protein kinase 1, alpha	-1.459514	Inlier
siRNA-Temozolomide Run1-DMSO	NM_032294	CAMKK1	calcium/calmodulin-dependent protein kinase 1, alpha	-0.711583	Inlier
siRNA-Temozolomide Run2-DMSO	NM_032294	CAMKK1	calcium/calmodulin-dependent protein kinase 1, alpha	-0.684279	Inlier
siRNA Disorazole DMSO Run2	NM_032294	CAMKK1	calcium/calmodulin-dependent protein kinase 1, alpha	-0.152021	Inlier
siRNA Disorazole DMSO Run1	NM_032294	CAMKK1	calcium/calmodulin-dependent protein kinase 1, alpha	0.15202	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0322 94	CAMKK1	calcium/calmodulin-dependent protein kinase 1, alpha	0.506645	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0322 94	CAMKK1	calcium/calmodulin-dependent protein kinase 1, alpha	0.664721	Inlier
siRNA Disorazole DMSO Run3	NM_0322 94	CAMKK1	calcium/calmodulin-dependent protein kinase 1, alpha	0.810606	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1722 26	CAMKK2	calcium/calmodulin-dependent protein kinase 2, beta	-0.784378	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1722 26	CAMKK2	calcium/calmodulin-dependent protein kinase 2, beta	-0.655667	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1722 26	CAMKK2	calcium/calmodulin-dependent protein kinase 2, beta	-0.190215	Inlier
siRNA Disorazole DMSO Run2	NM_1722 26	CAMKK2	calcium/calmodulin-dependent protein kinase 2, beta	-0.177046	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_1722 26	CAMKK2	calcium/calmodulin-dependent protein kinase 2, beta	0.177046	Inlier
siRNA Disorazole DMSO Run1	NM_1722 26	CAMKK2	calcium/calmodulin-dependent protein kinase 2, beta	0.693333	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1722 26	CAMKK2	calcium/calmodulin-dependent protein kinase 2, beta	0.875535	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1722 26	CAMKK2	calpain 1, (mu/l)	0.885505	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0051 86	CAPN1	large subunit calpain 1, (mu/l)	-1.613257	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0051 86	CAPN1	large subunit calpain 1, (mu/l)	-1.439735	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0051 86	CAPN1	large subunit calpain 1, (mu/l)	-0.431434	Inlier
siRNA Disorazole DMSO Run2	NM_0051 86	CAPN1	large subunit calpain 1, (mu/l)	-0.06429	Inlier
siRNA Disorazole DMSO Run1	NM_0051 86	CAPN1	large subunit calpain 1, (mu/l)	0.06429	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0051 86	CAPN1	large subunit	0.39416	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Gene ID	Gene Name	Value	Outlier
siRNA-Vinblastine Run2-DMSO	NM_0051	86	CAPN1	calpain 1, (mu/l) large subunit	0.917566 Inlier
siRNA Disorazole DMSO Run3	NM_0051	86	CAPN1	calpain 1, (mu/l) large subunit	1.150763 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0230	87	CAPN10	calpain 10	-0.712019 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0230	87	CAPN10	calpain 10	-0.665453 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0230	87	CAPN10	calpain 10	-0.367892 Inlier
siRNA Disorazole DMSO Run2	NM_0230	87	CAPN10	calpain 10	-0.094517 Inlier
siRNA Disorazole DMSO Run1	NM_0230	87	CAPN10	calpain 10	0.094517 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0230	87	CAPN10	calpain 10	0.683547 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0230	87	CAPN10	calpain 10	0.814683 Inlier
siRNA Disorazole DMSO Run3	NM_0230	87	CAPN10	calpain 10	1.084358 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0070	58	CAPN11	calpain 11	-1.429764 Inlier
siRNA Disorazole DMSO Run2	NM_0070	58	CAPN11	calpain 11	-1.214943 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0070	58	CAPN11	calpain 11	-1.193132 Inlier
siRNA Disorazole DMSO Run1	NM_0070	58	CAPN11	calpain 11	-0.018171 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0070	58	CAPN11	calpain 11	0.01817 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0070	58	CAPN11	calpain 11	0.652951 Inlier
siRNA Disorazole DMSO Run3	NM_0070	58	CAPN11	calpain 11	0.669534 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0070	58	CAPN11	calpain 11	0.679466 Inlier
siRNA-Temozolomide Run3-DMSO	NM_1446	91	CAPN12	calpain 12	-1.56642 Inlier
siRNA Disorazole DMSO Run1	NM_1446	91	CAPN12	calpain 12	-1.494807 Inlier
siRNA-Vinblastine Run1-DMSO	NM_1446	91	CAPN12	calpain 12	-0.961648 Inlier
siRNA-Vinblastine Run2-DMSO	NM_1446	91	CAPN12	calpain 12	-0.151596 Inlier
siRNA-Temozolomide Run2-DMSO	NM_1446	91	CAPN12	calpain 12	0.151596 Inlier
siRNA-Temozolomide Run1-DMSO	NM_1446	91	CAPN12	calpain 12	0.200047 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_1446				
siRNA Disorazole DMSO Run2	91	CAPN12	calpain 12	0.387352	Inlier
	NM_1446				
siRNA Disorazole DMSO Run3	91	CAPN12	calpain 12	3.252222	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1445				
	75	CAPN13	calpain 13	-2.153339	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1445				
	75	CAPN13	calpain 13	-0.664875	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1445				
	75	CAPN13	calpain 13	-0.452761	Inlier
	NM_1445				
siRNA Disorazole DMSO Run2	75	CAPN13	calpain 13	-0.030657	Inlier
	NM_1445				
siRNA Disorazole DMSO Run1	75	CAPN13	calpain 13	0.030657	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1445				
	75	CAPN13	calpain 13	0.684125	Inlier
	NM_1445				
siRNA Disorazole DMSO Run3	75	CAPN13	calpain 13	0.820933	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1445				
	75	CAPN13	calpain 13	1.514407	Inlier
			calpain 2, (m/II) large subunit		
siRNA Disorazole DMSO Run1	NM_0017	CAPN2		-0.857458	Inlier
	48				
			calpain 2, (m/II) large subunit		
siRNA-Vinblastine Run2-DMSO	NM_0017	CAPN2		-0.502681	Inlier
	48				
			calpain 2, (m/II) large subunit		
siRNA-Vinblastine Run1-DMSO	NM_0017	CAPN2		-0.370145	Inlier
	48				
			calpain 2, (m/II) large subunit		
siRNA-Temozolomide Run3-DMSO	NM_0017	CAPN2		-0.036678	Inlier
	48				
			calpain 2, (m/II) large subunit		
siRNA-Temozolomide Run2-DMSO	NM_0017	CAPN2		0.036677	Inlier
	48				
			calpain 2, (m/II) large subunit		
siRNA-Temozolomide Run1-DMSO	NM_0017	CAPN2		0.846319	Inlier
	48				
			calpain 2, (m/II) large subunit		
siRNA Disorazole DMSO Run2	NM_0017	CAPN2		2.66273	Inlier
	48				
			calpain 2, (m/II) large subunit		
siRNA Disorazole DMSO Run3	NM_0017	CAPN2		4.963382	Outlier
	48				

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA-Temozolomide Run3- DMSO	NM_2124 64	CAPN3	calpain 3, (p94)	-0.824359	Inlier
siRNA Disorazole DMSO Run2	NM_2124 64	CAPN3	calpain 3, (p94)	-0.524641	Inlier
siRNA Disorazole DMSO Run3	NM_2124 64	CAPN3	calpain 3, (p94)	-0.224747	Inlier
siRNA-Temozolomide Run1- DMSO	NM_2124 64	CAPN3	calpain 3, (p94)	-0.080929	Inlier
siRNA-Temozolomide Run2- DMSO	NM_2124 64	CAPN3	calpain 3, (p94)	0.080928	Inlier
siRNA Disorazole DMSO Run1	NM_2124 64	CAPN3	calpain 3, (p94)	3.235554	Inlier
siRNA-Vinblastine Run1- DMSO	NM_2124 64	CAPN3	calpain 3, (p94)	5.943148	Outlier
siRNA-Vinblastine Run2- DMSO	NM_2124 64	CAPN3	calpain 3, (p94)	8.238629	Outlier
siRNA-Temozolomide Run3- DMSO	NM_0040 55	CAPN5	calpain 5	-1.507614	Inlier
siRNA Disorazole DMSO Run2	NM_0040 55	CAPN5	calpain 5	-1.501692	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0040 55	CAPN5	calpain 5	-0.390524	Inlier
siRNA Disorazole DMSO Run1	NM_0040 55	CAPN5	calpain 5	-0.048827	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0040 55	CAPN5	calpain 5	0.048827	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0040 55	CAPN5	calpain 5	0.535182	Inlier
siRNA Disorazole DMSO Run3	NM_0040 55	CAPN5	calpain 5	0.813818	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0142 89	CAPN6	calpain 6	1.53128	Inlier
siRNA Disorazole DMSO Run1	NM_0142 89	CAPN6	calpain 6	-0.908689	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0142 89	CAPN6	calpain 6	-0.770278	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0142 89	CAPN6	calpain 6	-0.473154	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0142 89	CAPN6	calpain 6	-0.129829	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0142 89	CAPN6	calpain 6	0.129829	Inlier
siRNA Disorazole DMSO Run2	NM_0142 89	CAPN6	calpain 6	0.643544	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0142 89	CAPN6	calpain 6	0.705456	Inlier
siRNA Disorazole DMSO Run3	NM_0142 89	CAPN6	calpain 6	1.901554	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0142 96	CAPN7	calpain 7	-1.281019	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0142 96	CAPN7	calpain 7	-0.75739	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Temozolomide Run1- DMSO	NM_0142 96	CAPN7	calpain 7	-0.389967	Inlier
	NM_0142				
siRNA Disorazole DMSO Run1	96	CAPN7	calpain 7	-0.293747	Inlier
	NM_0142				
siRNA Disorazole DMSO Run2	96	CAPN7	calpain 7	0.293747	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0142 96	CAPN7	calpain 7	0.59161	Inlier
	NM_0142				
siRNA Disorazole DMSO Run3	96	CAPN7	calpain 7	0.947246	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0142 96	CAPN7	calpain 7	1.225011	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0164 52	CAPN9	calpain 9	-0.950469	Inlier
	NM_0164				
siRNA Disorazole DMSO Run2	52	CAPN9	calpain 9	-0.815104	Inlier
	NM_0164				
siRNA Disorazole DMSO Run3	52	CAPN9	calpain 9	-0.533896	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0164 52	CAPN9	calpain 9	-0.178439	Inlier
	NM_0164				
siRNA Disorazole DMSO Run1	52	CAPN9	calpain 9	0.178439	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0164 52	CAPN9	calpain 9	0.442142	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0164 52	CAPN9	calpain 9	0.859116	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0164 52	CAPN9	calpain 9	0.947269	Inlier
			calpain, small		
siRNA-Temozolomide Run3- DMSO	NM_0010 03962	CAPNS1	subunit 1	-1.067806	Inlier
	NM_0010		calpain, small		
siRNA Disorazole DMSO Run2	03962	CAPNS1	subunit 1	-1.011561	Inlier
	NM_0010		calpain, small		
siRNA Disorazole DMSO Run3	03962	CAPNS1	subunit 1	-0.284961	Inlier
			calpain, small		
siRNA-Temozolomide Run2- DMSO	NM_0010 03962	CAPNS1	subunit 1	-0.080954	Inlier
			calpain, small		
siRNA-Temozolomide Run1- DMSO	NM_0010 03962	CAPNS1	subunit 1	0.080954	Inlier
			calpain, small		
siRNA Disorazole DMSO Run1	03962	CAPNS1	subunit 1	0.337439	Inlier
			calpain, small		
siRNA-Vinblastine Run1- DMSO	NM_0010 03962	CAPNS1	subunit 1	1.69121	Inlier
			calpain, small		
siRNA-Vinblastine Run2- DMSO	NM_0010 03962	CAPNS1	subunit 1	2.676423	Inlier
			calpain, small		

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology				calpain, small subunit 2	
siRNA-Temozolomide Run1- DMSO	NM_0323 30	CAPNS2			-0.716225 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0323 30	CAPNS2		calpain, small subunit 2	-0.632775 Inlier
siRNA Disorazole DMSO Run1	NM_0323 30	CAPNS2		calpain, small subunit 2	-0.594937 Inlier
siRNA Disorazole DMSO Run2	NM_0323 30	CAPNS2		calpain, small subunit 2	-0.222874 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0323 30	CAPNS2		calpain, small subunit 2	0.222875 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0323 30	CAPNS2		calpain, small subunit 2	0.757321 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0323 30	CAPNS2		calpain, small subunit 2	1.249699 Inlier
siRNA Disorazole DMSO Run3	NM_0323 30	CAPNS2		calpain, small subunit 2	4.438972 Outlier
siRNA-Temozolomide Run3- DMSO	NM_0145 50	CARD10		caspace recruitmen t domain family, member 10	-1.991456 Inlier
siRNA Disorazole DMSO Run1	NM_0145 50	CARD10		caspace recruitmen t domain family, member 10	-1.003449 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0145 50	CARD10		caspace recruitmen t domain family, member 10	-0.34074 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0145 50	CARD10		caspace recruitmen t domain family, member 10	-0.278477 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Family	Gene ID	Value	Category
siRNA Disorazole DMSO Run2	NM_0145	50	CARD10	10	0.278479	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0145	50	CARD10	10	0.345551	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0145	50	CARD10	10	1.01891	Inlier
siRNA Disorazole DMSO Run3	NM_0145	50	CARD10	10	3.625697	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0324	15	CARD11	11	-1.670239	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0324	15	CARD11	11	-0.634252	Inlier
siRNA Disorazole DMSO Run3	NM_0324	15	CARD11	11	-0.182111	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0324	15	CARD11	11	-0.149032	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Gene ID	Family	Score	Outlier
siRNA Disorazole DMSO Run1	NM_0324	15	CARD11	11	0.149032	Inlier
siRNA Disorazole DMSO Run2	NM_0324	15	CARD11	11	0.714748	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0324	15	CARD11	11	1.875004	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0324	15	CARD11	11	2.245303	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0212	09	CARD12	12	-1.607736	Inlier
siRNA Disorazole DMSO Run2	NM_0212	09	CARD12	12	-0.329396	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0212	09	CARD12	12	-0.16368	Inlier
siRNA Disorazole DMSO Run1	NM_0212	09	CARD12	12	-0.143777	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Family	Member	Value	Outlier
siRNA-Temozolomide Run2-DMSO	NM_021209	CARD12	caspase recruitment domain family,	12	0.143777	Inlier
siRNA Disorazole DMSO Run3	NM_021209	CARD12	caspase recruitment domain family,	12	1.019603	Inlier
siRNA-Vinblastine Run1-DMSO	NM_021209	CARD12	caspase recruitment domain family,	12	1.172457	Inlier
siRNA-Vinblastine Run2-DMSO	NM_021209	CARD12	caspase recruitment domain family,	12	1.214829	Inlier
siRNA-Temozolomide Run3-DMSO	NM_052819	CARD14	caspase recruitment domain family,	14	-0.770648	Inlier
siRNA Disorazole DMSO Run2	NM_052819	CARD14	caspase recruitment domain family,	14	-0.578352	Inlier
siRNA Disorazole DMSO Run1	NM_052819	CARD14	caspase recruitment domain family,	14	-0.470056	Inlier
siRNA-Temozolomide Run2-DMSO	NM_052819	CARD14	caspase recruitment domain family,	14	-0.128548	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Gene ID	Family	Value	Outlier
siRNA-Temozolomide Run1-DMSO	NM_052819	CARD14	14	caspase recruitment domain family, member	0.128548	Inlier
siRNA-Vinblastine Run1-DMSO	NM_052819	CARD14	14	caspase recruitment domain family, member	0.83938	Inlier
siRNA-Vinblastine Run2-DMSO	NM_052819	CARD14	14	caspase recruitment domain family, member	1.064252	Inlier
siRNA Disorazole DMSO Run3	NM_052819	CARD14	14	caspase recruitment domain family, member	1.982378	Inlier
siRNA-Temozolomide Run3-DMSO	NM_022162	CARD15	15	caspase recruitment domain family, member	-1.096436	Inlier
siRNA Disorazole DMSO Run2	NM_022162	CARD15	15	caspase recruitment domain family, member	-0.738223	Inlier
siRNA Disorazole DMSO Run3	NM_022162	CARD15	15	caspase recruitment domain family, member	-0.610777	Inlier
siRNA-Temozolomide Run2-DMSO	NM_022162	CARD15	15	caspase recruitment domain family, member	-0.099251	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Family	Value	Category
siRNA-Temozolomide Run1-DMSO	NM_022162	CARD15	caspase recruitment domain family, member 15	0.099251	Inlier
siRNA Disorazole DMSO Run1	NM_022162	CARD15	caspase recruitment domain family, member 15	0.297492	Inlier
siRNA-Vinblastine Run2-DMSO	NM_022162	CARD15	caspase recruitment domain family, member 15	0.874567	Inlier
siRNA-Vinblastine Run1-DMSO	NM_022162	CARD15	caspase recruitment domain family, member 15	0.993703	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006092	CARD4	caspase recruitment domain family, member 4	-2.268928	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006092	CARD4	caspase recruitment domain family, member 4	-1.452063	Inlier
siRNA Disorazole DMSO Run1	NM_006092	CARD4	caspase recruitment domain family, member 4	-0.500281	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006092	CARD4	caspase recruitment domain family, member 4	-0.311989	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006092	CARD4	caspase recruitment domain family, member 4	0.311988	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0060 92	CARD4	caspase recruitmen t domain family, member 4	0.590529	Inlier
siRNA Disorazole DMSO Run2	NM_0060 92	CARD4	caspase recruitmen t domain family, member 4	0.758471	Inlier
siRNA Disorazole DMSO Run3	NM_0060 92	CARD4	caspase recruitmen t domain family, member 4	2.48131	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0325 87	CARD6	caspase recruitmen t domain family, member 6	-1.422359	Inlier
siRNA Disorazole DMSO Run1	NM_0325 87	CARD6	caspase recruitmen t domain family, member 6	-0.760847	Inlier
siRNA Disorazole DMSO Run2	NM_0325 87	CARD6	caspase recruitmen t domain family, member 6	-0.669001	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0325 87	CARD6	caspase recruitmen t domain family, member 6	-0.01833	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0325 87	CARD6	caspase recruitmen t domain family, member 6	0.018331	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0325 87	CARD6	caspase recruitmen t domain family, member 6	0.377595	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0325 87	CARD6	caspase recruitmen t domain family, member 6	0.679999	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0325 87	CARD6	caspase recruitmen t domain family, member 6	1.73414	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0149 59	CARD8	caspase recruitmen t domain family, member 8	-0.833443	Inlier
siRNA Disorazole DMSO Run2	NM_0149 59	CARD8	caspase recruitmen t domain family, member 8	-0.828752	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0149 59	CARD8	caspase recruitmen t domain family, member 8	-0.520248	Inlier
siRNA Disorazole DMSO Run3	NM_0149 59	CARD8	caspase recruitmen t domain family, member 8	-0.227799	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0149 59	CARD8	caspase recruitmen t domain family, member 8	0.227799	Inlier
siRNA Disorazole DMSO Run1	NM_0149 59	CARD8	caspase recruitmen t domain family, member 8	0.316941	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0149 59	CARD8	caspase recruitmen t domain family, member 8	0.872344	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0149 59	CARD8	caspase recruitmen t domain family, member 8	1.526538	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0528 13	CARD9	caspase recruitmen t domain family, member 9	-2.147934	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0528 13	CARD9	caspase recruitmen t domain family, member 9	-0.80116	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0528 13	CARD9	caspase recruitmen t domain family, member 9	-0.54784	Inlier
siRNA Disorazole DMSO Run1	NM_0528 13	CARD9	caspase recruitmen t domain family, member 9	-0.074477	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0528 13	CARD9	caspase recruitmen t domain family, member 9	0.074477	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0528 13	CARD9	caspase recruitmen t domain family, member 9	0.366101	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0528 13	CARD9	caspase recruitmen t domain family, member 9	1.840858	Inlier
siRNA Disorazole DMSO Run3	NM_0528 13	CARD9	caspase recruitmen t domain family, member 9	4.651895	Outlier
siRNA Disorazole DMSO Run2	NM_0132 76	CARKL	carbohydr ate kinase- like	-0.937578	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0132 76	CARKL	carbohydr ate kinase- like	-0.772478	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0132 76	CARKL	carbohydr ate kinase- like	-0.379568	Inlier
siRNA Disorazole DMSO Run3	NM_0132 76	CARKL	carbohydr ate kinase- like	-0.075672	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0132 76	CARKL	carbohydrate kinase-like	0.075673	Inlier
siRNA Disorazole DMSO Run1	NM_0132 76	CARKL	carbohydrate kinase-like	0.576522	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0132 76	CARKL	carbohydrate kinase-like	0.950576	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0132 76	CARKL	carbohydrate kinase-like	0.965167	Inlier
siRNA Disorazole DMSO Run3	NM_1991 41	CARM1	coactivator-associated arginine methyltransferase 1	-0.712321	Inlier
siRNA Disorazole DMSO Run1	NM_1991 41	CARM1	coactivator-associated arginine methyltransferase 1	-0.710292	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1991 41	CARM1	coactivator-associated arginine methyltransferase 1	-0.638708	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1991 41	CARM1	coactivator-associated arginine methyltransferase 1	-0.14494	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1991 41	CARM1	coactivator-associated arginine methyltransferase 1	0.14494	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_1991 41	CARM1	coactivator-associated arginine methyltransferase 1	0.16373	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1991 41	CARM1	coactivator-associated arginine methyltransferase 1	4.627418	Outlier
siRNA Disorazole DMSO Run2	NM_1991 41	CARM1	coactivator-associated arginine methyltransferase 1	4.945794	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0017 51	CARS	cysteinyl-tRNA synthetase	-0.98608	Inlier
siRNA Disorazole DMSO Run1	NM_0017 51	CARS	cysteinyl-tRNA synthetase	-0.926538	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0017 51	CARS	cysteinyl-tRNA synthetase	-0.422462	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0017 51	CARS	cysteinyl-tRNA synthetase	-0.141766	Inlier
siRNA Disorazole DMSO Run3	NM_0017 51	CARS	cysteinyl-tRNA synthetase	0.141766	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0017 51	CARS	cysteinyl-tRNA synthetase	0.389148	Inlier
siRNA Disorazole DMSO Run2	NM_0017 51	CARS	cysteinyl-tRNA synthetase	2.282707	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0017 51	CARS	cysteinyl-tRNA synthetase	2.283674	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0229 00	CAS1	CAS1	-1.068993	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0229 00	CAS1	CAS1	-0.888131	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0229 00	CAS1	CAS1	-0.460869	Inlier
siRNA Disorazole DMSO Run1	NM_0229 00	CAS1	CAS1	-0.052896	Inlier
siRNA Disorazole DMSO Run3	NM_0229 00	CAS1	CAS1	0.052896	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0229 00	CAS1	CAS1	0.128749	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0229 00	CAS1	CAS1	1.395116	Inlier
siRNA Disorazole DMSO Run2	NM_0229 00	CAS1	CAS1	1.58545	Inlier
siRNA Disorazole DMSO Run2	NM_0036 88	CASK	calcium/calmodulin-dependent serine protein kinase (MAGUK family)	-1.986166	Inlier
siRNA Disorazole DMSO Run3	NM_0036 88	CASK	calcium/calmodulin-dependent serine protein kinase (MAGUK family)	-1.216059	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0036 88	CASK	calcium/calmodulin-dependent serine protein kinase (MAGUK family)	-0.496419	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0036 88	CASK	calcium/calmodulin-dependent serine protein kinase (MAGUK family)	-0.172952	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_003688	CASK	calcium/calmodulin-dependent serine protein kinase (MAGUK family)	0.172952	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003688	CASK	calcium/calmodulin-dependent serine protein kinase (MAGUK family)	0.388697	Inlier
siRNA Disorazole DMSO Run1	NM_003688	CASK	calcium/calmodulin-dependent serine protein kinase (MAGUK family)	0.852581	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003688	CASK	calcium/calmodulin-dependent serine protein kinase (MAGUK family)	1.067032	Inlier
siRNA Disorazole DMSO Run2	NM_033294	CASP1	caspase 1, apoptosis-related cysteine protease (interleukin 1, beta, convertase)	-1.5093	Inlier
siRNA-Temozolomide Run3-DMSO	NM_033294	CASP1	caspase 1, apoptosis-related cysteine protease (interleukin 1, beta, convertase)	-0.733081	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0332 94	CASP1	caspase 1, apoptosis-related cysteine protease (interleukin 1, beta, convertase)	-0.614458	Inlier
siRNA Disorazole DMSO Run1	NM_0332 94	CASP1	caspase 1, apoptosis-related cysteine protease (interleukin 1, beta, convertase)	-0.087132	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0332 94	CASP1	caspase 1, apoptosis-related cysteine protease (interleukin 1, beta, convertase)	0.087132	Inlier
siRNA Disorazole DMSO Run3	NM_0332 94	CASP1	caspase 1, apoptosis-related cysteine protease (interleukin 1, beta, convertase)	0.615919	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0332 94	CASP1	caspase 1, apoptosis-related cysteine protease (interleukin 1, beta, convertase)	1.014582	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_033294	CASP1	caspase 1, apoptosis-related cysteine protease (interleukin 1, beta, convertase)	1.154383	Inlier
siRNA-Temozolomide Run3-DMSO	NM_032977	CASP10	caspase 10, apoptosis-related cysteine protease	-1.324357	Inlier
siRNA-Temozolomide Run2-DMSO	NM_032977	CASP10	caspase 10, apoptosis-related cysteine protease	-0.860489	Inlier
siRNA Disorazole DMSO Run2	NM_032977	CASP10	caspase 10, apoptosis-related cysteine protease	-0.461109	Inlier
siRNA Disorazole DMSO Run1	NM_032977	CASP10	caspase 10, apoptosis-related cysteine protease	-0.427801	Inlier
siRNA-Vinblastine Run2-DMSO	NM_032977	CASP10	caspase 10, apoptosis-related cysteine protease	0.4278	Inlier
siRNA-Temozolomide Run1-DMSO	NM_032977	CASP10	caspase 10, apoptosis-related cysteine protease	0.488511	Inlier
siRNA-Vinblastine Run1-DMSO	NM_032977	CASP10	caspase 10, apoptosis-related cysteine protease	1.146305	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_012114	CASP14	caspase 14, apoptosis-related cysteine protease	1.67908 Inlier
siRNA-Temozolomide Run3-DMSO	NM_032982	CASP2	caspase 2, apoptosis-related cysteine protease (neural precursor cell expressed, developmentally down-regulated 2)	-1.648162 Inlier
siRNA-Temozolomide Run2-DMSO	NM_032982	CASP2	caspase 2, apoptosis-related cysteine protease (neural precursor cell expressed, developmentally down-regulated 2)	-1.457808 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_032982	CASP2	caspase 2, apoptosis-related cysteine protease (neural precursor cell expressed, developmentally down-regulated 2)	-0.826074	Inlier
siRNA Disorazole DMSO Run3	NM_032982	CASP2	caspase 2, apoptosis-related cysteine protease (neural precursor cell expressed, developmentally down-regulated 2)	-0.079829	Inlier
siRNA Disorazole DMSO Run2	NM_032982	CASP2	caspase 2, apoptosis-related cysteine protease (neural precursor cell expressed, developmentally down-regulated 2)	0.079829	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0329 82	CASP2	caspase 2, apoptosis- related cysteine protease (neural precursor cell expressed , developm entally down- regulated 2)	0.084619 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0329 82	CASP2	caspase 2, apoptosis- related cysteine protease (neural precursor cell expressed , developm entally down- regulated 2)	0.522925 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0329 82	CASP2	caspase 2, apoptosis- related cysteine protease (neural precursor cell expressed , developm entally down- regulated 2)	0.920193 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0329 91	CASP3	caspase 3, apoptosis- related cysteine protease	-1.162318 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0329 91	CASP3	caspase 3, apoptosis- related cysteine protease	-0.509926 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0329 91	CASP3	caspase 3, apoptosis- related cysteine protease	-0.245885 Inlier
siRNA Disorazole DMSO Run3	NM_0329 91	CASP3	caspase 3, apoptosis- related cysteine protease	-0.232126 Inlier
siRNA Disorazole DMSO Run1	NM_0329 91	CASP3	caspase 3, apoptosis- related cysteine protease	0.232126 Inlier
siRNA Disorazole DMSO Run2	NM_0329 91	CASP3	caspase 3, apoptosis- related cysteine protease	0.839074 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0329 91	CASP3	caspase 3, apoptosis- related cysteine protease	0.872788 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0329 91	CASP3	caspase 3, apoptosis- related cysteine protease	1.339248 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0012 25	CASP4	caspase 4, apoptosis- related cysteine protease	-1.47824 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0012 25	CASP4	caspase 4, apoptosis- related cysteine protease	-0.761522 Inlier
siRNA Disorazole DMSO Run2	NM_0012 25	CASP4	caspase 4, apoptosis- related cysteine protease	-0.475058 Inlier
siRNA Disorazole DMSO Run1	NM_0012 25	CASP4	caspase 4, apoptosis- related cysteine protease	-0.085298 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0012 25	CASP4	caspase 4, apoptosis- related cysteine protease	0.085298 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0012 25	CASP4	caspase 4, apoptosis- related cysteine protease	0.587478 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0012 25	CASP4	caspase 4, apoptosis- related cysteine protease	0.803276 Inlier
siRNA Disorazole DMSO Run3	NM_0012 25	CASP4	caspase 4, apoptosis- related cysteine protease	3.168833 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0043 47	CASP5	caspase 5, apoptosis- related cysteine protease	-1.371351 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0043 47	CASP5	caspase 5, apoptosis- related cysteine protease	-0.799304 Inlier
siRNA Disorazole DMSO Run3	NM_0043 47	CASP5	caspase 5, apoptosis- related cysteine protease	-0.77987 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0043 47	CASP5	caspase 5, apoptosis- related cysteine protease	-0.29649 Inlier
siRNA Disorazole DMSO Run1	NM_0043 47	CASP5	caspase 5, apoptosis- related cysteine protease	0.29649 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0043 47	CASP5	caspase 5, apoptosis- related cysteine protease	0.48129 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0043 47	CASP5	caspase 5, apoptosis- related cysteine protease	0.56913 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0043 47	CASP5	caspase 5, apoptosis- related cysteine protease	1.026193 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0329 92	CASP6	caspase 6, apoptosis- related cysteine protease	-2.393422	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0329 92	CASP6	caspase 6, apoptosis- related cysteine protease	-1.72451	Inlier
siRNA Disorazole DMSO Run1	NM_0329 92	CASP6	caspase 6, apoptosis- related cysteine protease	-0.897748	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0329 92	CASP6	caspase 6, apoptosis- related cysteine protease	-0.160234	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0329 92	CASP6	caspase 6, apoptosis- related cysteine protease	0.160234	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0329 92	CASP6	caspase 6, apoptosis- related cysteine protease	0.436068	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0329 92	CASP6	caspase 6, apoptosis- related cysteine protease	0.451252	Inlier
siRNA Disorazole DMSO Run3	NM_0329 92	CASP6	caspase 6, apoptosis- related cysteine protease	1.776239	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0333 40	CASP7	caspase 7, apoptosis- related cysteine protease	-0.8549 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0333 40	CASP7	caspase 7, apoptosis- related cysteine protease	-0.800862 Inlier
siRNA Disorazole DMSO Run3	NM_0333 40	CASP7	caspase 7, apoptosis- related cysteine protease	-0.548138 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0333 40	CASP7	caspase 7, apoptosis- related cysteine protease	-0.393427 Inlier
siRNA Disorazole DMSO Run1	NM_0333 40	CASP7	caspase 7, apoptosis- related cysteine protease	0.393427 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0333 40	CASP7	caspase 7, apoptosis- related cysteine protease	0.470653 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0333 40	CASP7	caspase 7, apoptosis- related cysteine protease	0.847214 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0333 40	CASP7	caspase 7, apoptosis- related cysteine protease	1.000858 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_001228	CASP8	caspase 8, apoptosis-related cysteine protease	-1.446132	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001228	CASP8	caspase 8, apoptosis-related cysteine protease	-1.435874	Inlier
siRNA Disorazole DMSO Run1	NM_001228	CASP8	caspase 8, apoptosis-related cysteine protease	-0.592507	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001228	CASP8	caspase 8, apoptosis-related cysteine protease	-0.343055	Inlier
siRNA Disorazole DMSO Run3	NM_001228	CASP8	caspase 8, apoptosis-related cysteine protease	0.343056	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001228	CASP8	caspase 8, apoptosis-related cysteine protease	0.462658	Inlier
siRNA Disorazole DMSO Run2	NM_001228	CASP8	caspase 8, apoptosis-related cysteine protease	0.756493	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001228	CASP8	caspase 8, apoptosis-related cysteine protease	0.965343	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0012 29	CASP9	caspase 9, apoptosis- related cysteine protease	-2.309149 Inlier
siRNA Disorazole DMSO Run2	NM_0012 29	CASP9	caspase 9, apoptosis- related cysteine protease	-2.171942 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0012 29	CASP9	caspase 9, apoptosis- related cysteine protease	-0.453729 Inlier
siRNA Disorazole DMSO Run3	NM_0012 29	CASP9	caspase 9, apoptosis- related cysteine protease	-0.043136 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0012 29	CASP9	caspase 9, apoptosis- related cysteine protease	0.043136 Inlier
siRNA Disorazole DMSO Run1	NM_0012 29	CASP9	caspase 9, apoptosis- related cysteine protease	0.183286 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0012 29	CASP9	caspase 9, apoptosis- related cysteine protease	0.895271 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0012 29	CASP9	caspase 9, apoptosis- related cysteine protease	0.975448 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0003 88	CASR	calcium-sensing receptor (hypocalcemic hypercalcemia 1, severe neonatal hyperparathyroidism)	-1.826992	Inlier
siRNA-Temozolomide DMSO Run2	NM_0003 88	CASR	calcium-sensing receptor (hypocalcemic hypercalcemia 1, severe neonatal hyperparathyroidism)	-1.469948	Inlier
siRNA Disorazole DMSO Run3	NM_0003 88	CASR	calcium-sensing receptor (hypocalcemic hypercalcemia 1, severe neonatal hyperparathyroidism)	-0.611872	Inlier
siRNA-Temozolomide DMSO Run3	NM_0003 88	CASR	calcium-sensing receptor (hypocalcemic hypercalcemia 1, severe neonatal hyperparathyroidism)	-0.100531	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0003 88	CASR	calcium-sensing receptor (hypocalcemic hypercalcemia 1, severe neonatal hyperparathyroidism)	0.100531	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0003 88	CASR	calcium-sensing receptor (hypocalcemic hypercalcemia 1, severe neonatal hyperparathyroidism)	0.181173	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0003 88	CASR	calcium-sensing receptor (hypocalcemic hypercalcemia 1, severe neonatal hyperparathyroidism)	0.737128	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0003 88	CASR	calcium-sensing receptor (hypocalcemic hypercalcemia 1, severe neonatal hyperparathyroidism)	0.817634	Inlier
siRNA Disorazole DMSO Run3	NM_0017 52	CAT	catalase	-0.885669	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0017 52	CAT	catalase	-0.463331	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Vinblastine Run2-DMSO	NM_0017	52	CAT	catalase	-0.135515	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0017	52	CAT	catalase	-0.041792	Inlier
siRNA Disorazole DMSO Run1	NM_0017	52	CAT	catalase	0.04179	Inlier
siRNA Disorazole DMSO Run2	NM_0017	52	CAT	catalase	1.864321	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0017	52	CAT	catalase	3.949893	Outlier
siRNA-Vinblastine Run1-DMSO	NM_0017	52	CAT	catalase	5.298042	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0530	54	CATSPER	associated cation channel, sperm	-2.842176	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0530	54	CATSPER	associated cation channel, sperm	-1.233176	Inlier
siRNA Disorazole DMSO Run1	NM_0530	54	CATSPER	associated cation channel, sperm	-0.647201	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0530	54	CATSPER	associated cation channel, sperm	-0.444667	Inlier
siRNA Disorazole DMSO Run3	NM_0530	54	CATSPER	associated cation channel, sperm	0.444667	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0530	54	CATSPER	associated cation channel, sperm	0.456905	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0530	54	CATSPER	associated cation channel, sperm	0.701799	Inlier
siRNA Disorazole DMSO Run2	NM_0530	54	CATSPER	associated cation channel, sperm	1.582065	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Category	Value	Outlier Status
siRNA Disorazole DMSO Run1	NM_1720 97	CATSPER 2	cation channel, sperm associated 2	-4.499192	Outlier
siRNA-Vinblastine Run2-DMSO	NM_1720 97	CATSPER 2	cation channel, sperm associated 2	-0.709724	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1720 97	CATSPER 2	cation channel, sperm associated 2	-0.702136	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1720 97	CATSPER 2	cation channel, sperm associated 2	-0.249821	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1720 97	CATSPER 2	cation channel, sperm associated 2	0.249818	Inlier
siRNA Disorazole DMSO Run2	NM_1720 97	CATSPER 2	cation channel, sperm associated 2	0.634731	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1720 97	CATSPER 2	cation channel, sperm associated 2	0.646864	Inlier
siRNA Disorazole DMSO Run3	NM_1720 97	CATSPER 2	cation channel, sperm associated 2	4.609932	Outlier
siRNA-Temozolomide Run3-DMSO	NM_1780 19	CATSPER 3	cation channel, sperm associated 3	-1.569997	Inlier
siRNA Disorazole DMSO Run1	NM_1780 19	CATSPER 3	cation channel, sperm associated 3	-0.54317	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_1780 19	CATSPER 3	cation channel, sperm associated 3	-0.193293 Inlier
siRNA-Vinblastine Run2-DMSO	NM_1780 19	CATSPER 3	cation channel, sperm associated 3	-0.176858 Inlier
siRNA-Temozolomide Run1-DMSO	NM_1780 19	CATSPER 3	cation channel, sperm associated 3	0.176857 Inlier
siRNA-Vinblastine Run1-DMSO	NM_1780 19	CATSPER 3	cation channel, sperm associated 3	0.80583 Inlier
siRNA Disorazole DMSO Run3	NM_1780 19	CATSPER 3	cation channel, sperm associated 3	1.626814 Inlier
siRNA Disorazole DMSO Run2	NM_1780 19	CATSPER 3	cation channel, sperm associated 3	3.585951 Outlier
siRNA-Temozolomide Run3-DMSO	NM_0051 88	CBL	Cas-Br-M (murine) ecotropic retroviral transforming sequence Cas-Br-M (murine) ecotropic retroviral transforming sequence	-1.783742 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0051 88	CBL	Cas-Br-M (murine) ecotropic retroviral transforming sequence Cas-Br-M (murine) ecotropic retroviral transforming sequence	-1.44041 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0051 88	CBL	Cas-Br-M (murine) ecotropic retroviral transforming sequence	-0.56203 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Cell Line	Gene Name	Value	Outlier
siRNA Disorazole DMSO Run1	NM_0051	88	CBL	Cas-Br-M (murine) ecotropic retroviral transforming sequence	-0.31373	Inlier
siRNA Disorazole DMSO Run2	NM_0051	88	CBL	Cas-Br-M (murine) ecotropic retroviral transforming sequence	0.31373	Inlier
siRNA Disorazole DMSO Run3	NM_0051	88	CBL	Cas-Br-M (murine) ecotropic retroviral transforming sequence	0.427793	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0051	88	CBL	Cas-Br-M (murine) ecotropic retroviral transforming sequence	0.78697	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0051	88	CBL	Cas-Br-M (murine) ecotropic retroviral transforming sequence	1.215842	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0017	57	CBR1	carbonyl reductase 1	-1.959816	Inlier
siRNA Disorazole DMSO Run1	NM_0017	57	CBR1	carbonyl reductase 1	-0.713155	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0017	57	CBR1	carbonyl reductase 1	-0.635845	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0017	57	CBR1	carbonyl reductase 1	-0.044664	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0017	57	CBR1	carbonyl reductase 1	0.044665	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			carbonyl reductase		
siRNA Disorazole DMSO Run3	NM_0017 57	CBR1	1	0.081212	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0017 57	CBR1	1	0.984499	Inlier
siRNA Disorazole DMSO Run2	NM_0017 57	CBR1	1	1.863492	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0012 36	CBR3	3	-1.499404	Inlier
siRNA Disorazole DMSO Run1	NM_0012 36	CBR3	3	-0.315899	Inlier
siRNA Disorazole DMSO Run3	NM_0012 36	CBR3	3	-0.221062	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0012 36	CBR3	3	-0.190656	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0012 36	CBR3	3	0.190656	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0012 36	CBR3	3	1.033101	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0012 36	CBR3	3	1.113745	Inlier
siRNA Disorazole DMSO Run2	NM_0012 36	CBR3	3	2.568178	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0327 83	CBR4	CBR4	-1.903388	Inlier
siRNA Disorazole DMSO Run1	NM_0327 83	CBR4	CBR4	-1.183387	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0327 83	CBR4	CBR4	-1.11285	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0327 83	CBR4	CBR4	-0.293238	Inlier
siRNA Disorazole DMSO Run3	NM_0327 83	CBR4	CBR4	0.293238	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0327 83	CBR4	CBR4	0.365865	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0327 83	CBR4	CBR4	0.53692	Inlier
siRNA Disorazole DMSO Run2	NM_0327 83	CBR4	CBR4	0.81208	Inlier
siRNA Disorazole DMSO Run1	NM_0000 71	CBS	cystathionine-beta-synthase	-1.286936	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_000071	CBS	cystathionine-beta-synthase	-0.823378	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000071	CBS	cystathionine-beta-synthase	-0.525622	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000071	CBS	cystathionine-beta-synthase	-0.205262	Inlier
siRNA Disorazole DMSO Run3	NM_000071	CBS	cystathionine-beta-synthase	0.205262	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000071	CBS	cystathionine-beta-synthase	0.255293	Inlier
siRNA Disorazole DMSO Run2	NM_000071	CBS	cystathionine-beta-synthase	0.825052	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000071	CBS	cystathionine-beta-synthase	0.930203	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004059	CCBL1	cysteine conjugate-beta lyase; cytoplasmic (glutamine transaminase K, kyneurenine aminotransferase)	-0.920029	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004059	CCBL1	cysteine conjugate-beta lyase; cytoplasmic (glutamine transaminase K, kyneurenine aminotransferase)	-0.428971	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_004059	CCBL1	cysteine conjugate-beta lyase; cytoplasmic (glutamine transaminase K, kyneurenine aminotransferase)	-0.304748	Inlier
siRNA Disorazole DMSO Run3	NM_004059	CCBL1	cysteine conjugate-beta lyase; cytoplasmic (glutamine transaminase K, kyneurenine aminotransferase)	-0.267935	Inlier
siRNA Disorazole DMSO Run1	NM_004059	CCBL1	cysteine conjugate-beta lyase; cytoplasmic (glutamine transaminase K, kyneurenine aminotransferase)	0.267935	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_004059	CCBL1	cysteine conjugate-beta lyase; cytoplasmic (glutamine transaminase K, kynureninase aminotransferase)	1.018109	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004059	CCBL1	cysteine conjugate-beta lyase; cytoplasmic (glutamine transaminase K, kynureninase aminotransferase)	4.597456	Outlier
siRNA Disorazole DMSO Run2	NM_004059	CCBL1	cysteine conjugate-beta lyase; cytoplasmic (glutamine transaminase K, kynureninase aminotransferase)	5.637985	Outlier
siRNA-Temozolomide Run3-DMSO	NM_001296	CCBP2	chemokine binding protein 2	-0.70775	Inlier
siRNA Disorazole DMSO Run2	NM_001296	CCBP2	chemokine binding protein 2	-0.64125	Inlier
siRNA Disorazole DMSO Run3	NM_001296	CCBP2	chemokine binding protein 2	-0.591479	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology					
siRNA-Temozolomide Run2-DMSO	NM_0012 96	CCBP2	chemokine binding protein 2	-0.099314	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0012 96	CCBP2	chemokine binding protein 2	0.099314	Inlier
siRNA Disorazole DMSO Run1	NM_0012 96	CCBP2	chemokine binding protein 2	1.729483	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0012 96	CCBP2	chemokine binding protein 2	4.176843	Outlier
siRNA-Vinblastine Run1-DMSO	NM_0012 96	CCBP2	chemokine binding protein 2	4.205029	Outlier
siRNA Disorazole DMSO Run2	NM_0007 30	CCKAR	cholecysto kinin A receptor	-1.751666	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0007 30	CCKAR	cholecysto kinin A receptor	-0.703704	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0007 30	CCKAR	cholecysto kinin A receptor	-0.651014	Inlier
siRNA Disorazole DMSO Run1	NM_0007 30	CCKAR	cholecysto kinin A receptor	-0.00314	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0007 30	CCKAR	cholecysto kinin A receptor	0.00314	Inlier
siRNA Disorazole DMSO Run3	NM_0007 30	CCKAR	cholecysto kinin A receptor	0.267128	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0007 30	CCKAR	cholecysto kinin A receptor	0.697986	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0007 30	CCKAR	cholecysto kinin A receptor	0.852784	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1768 75	CCKBR	kinin B receptor	-1.127941	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1768 75	CCKBR	cholecysto kinin B receptor	-0.331166	Inlier
siRNA Disorazole DMSO Run1	NM_1768 75	CCKBR	cholecysto kinin B receptor	-0.206269	Inlier
siRNA Disorazole DMSO Run2	NM_1768 75	CCKBR	cholecysto kinin B receptor	-0.074036	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology					
siRNA-Temozolomide Run1-DMSO	NM_1768 75	CCKBR	cholecysto kinin B receptor	0.074036	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1768 75	CCKBR	cholecysto kinin B receptor	1.017834	Inlier
siRNA Disorazole DMSO Run3	NM_1768 75	CCKBR	cholecysto kinin B receptor	1.206956	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1768 75	CCKBR	cholecysto kinin B receptor cerebral	1.332519	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0049 12	CCM1	cavernous malformati ons 1 cerebral	-0.773879	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0049 12	CCM1	cavernous malformati ons 1 cerebral	-0.768358	Inlier
siRNA Disorazole DMSO Run3	NM_0049 12	CCM1	cavernous malformati ons 1 cerebral	-0.539189	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0049 12	CCM1	cavernous malformati ons 1 cerebral	-0.142661	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0049 12	CCM1	cavernous malformati ons 1 cerebral	0.142661	Inlier
siRNA Disorazole DMSO Run1	NM_0049 12	CCM1	cavernous malformati ons 1 cerebral	0.580642	Inlier
siRNA Disorazole DMSO Run2	NM_0049 12	CCM1	cavernous malformati ons 1 cerebral	2.369044	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0049 12	CCM1	cavernous malformati ons 1	2.976988	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0039 14	CCNA1	cyclin A1	-1.49471	Inlier
siRNA Disorazole DMSO Run1	NM_0039 14	CCNA1	cyclin A1	-0.449708	Inlier
siRNA Disorazole DMSO Run2	NM_0039 14	CCNA1	cyclin A1	-0.432466	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0039 14	CCNA1	cyclin A1	-0.340216	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_0039				
siRNA Disorazole DMSO Run3	14	CCNA1	cyclin A1	0.340216	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0039 14	CCNA1	cyclin A1	0.899292	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0039 14	CCNA1	cyclin A1	1.905492	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0039 14	CCNA1	cyclin A1	5.992092	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0012 37	CCNA2	cyclin A2	-2.057552	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0012 37	CCNA2	cyclin A2	-0.565073	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0012 37	CCNA2	cyclin A2	-0.359692	Inlier
siRNA Disorazole DMSO Run1	NM_0012 37	CCNA2	cyclin A2	-0.100047	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0012 37	CCNA2	cyclin A2	0.100047	Inlier
siRNA Disorazole DMSO Run3	NM_0012 37	CCNA2	cyclin A2	0.783927	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0012 37	CCNA2	cyclin A2	2.097793	Inlier
siRNA Disorazole DMSO Run2	NM_0012 37	CCNA2	cyclin A2	2.451977	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0319 66	CCNB1	cyclin B1	-0.781815	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0319 66	CCNB1	cyclin B1	-0.567185	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0319 66	CCNB1	cyclin B1	-0.226744	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0319 66	CCNB1	cyclin B1	-0.051718	Inlier
siRNA Disorazole DMSO Run3	NM_0319 66	CCNB1	cyclin B1	0.051718	Inlier
siRNA Disorazole DMSO Run1	NM_0319 66	CCNB1	cyclin B1	1.298111	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0319 66	CCNB1	cyclin B1	3.085974	Inlier
siRNA Disorazole DMSO Run2	NM_0319 66	CCNB1	cyclin B1	3.512678	Outlier
siRNA Disorazole DMSO Run1	NM_0047 01	CCNB2	cyclin B2	-1.346388	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0047 01	CCNB2	cyclin B2	-0.926347	Inlier
siRNA Disorazole DMSO Run3	NM_0047 01	CCNB2	cyclin B2	-0.422653	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0047 01	CCNB2	cyclin B2	-0.289045	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0047 01	CCNB2	cyclin B2	0.289044	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0047 01	CCNB2	cyclin B2	0.328446	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA-Vinblastine Run1- DMSO	NM_0047 01	CCNB2	cyclin B2	1.007066	Inlier
	NM_0047				
siRNA Disorazole DMSO Run2	01	CCNB2	cyclin B2	1.943431	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0336 70	CCNB3	cyclin B3	-1.308971	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0336 70	CCNB3	cyclin B3	-0.82017	Inlier
	NM_0336				
siRNA Disorazole DMSO Run1	70	CCNB3	cyclin B3	-0.432025	Inlier
	NM_0336				
siRNA Disorazole DMSO Run3	70	CCNB3	cyclin B3	-0.172136	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0336 70	CCNB3	cyclin B3	0.172136	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0336 70	CCNB3	cyclin B3	0.52883	Inlier
	NM_0336				
siRNA Disorazole DMSO Run2	70	CCNB3	cyclin B3	1.129793	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0336 70	CCNB3	cyclin B3	1.190432	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0051 90	CCNC	cyclin C	-2.015314	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0051 90	CCNC	cyclin C	-1.118883	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0051 90	CCNC	cyclin C	-0.667063	Inlier
	NM_0051				
siRNA Disorazole DMSO Run1	90	CCNC	cyclin C	-0.166807	Inlier
	NM_0051				
siRNA Disorazole DMSO Run3	90	CCNC	cyclin C	0.166807	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0051 90	CCNC	cyclin C	0.187212	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0051 90	CCNC	cyclin C	0.681936	Inlier
	NM_0051				
siRNA Disorazole DMSO Run2	90	CCNC	cyclin C cyclin D1 (PRAD1: parathyroi d	1.066326	Inlier
	NM_0530		adenomat osis 1)		
siRNA Disorazole DMSO Run1	56	CCND1	cyclin D1 (PRAD1: parathyroi d	-1.342821	Inlier
	NM_0530		adenomat osis 1)		
siRNA-Temozolomide Run1- DMSO	NM_0530 56	CCND1	adenomat osis 1)	-0.767323	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

				cyclin D1 (PRAD1: parathyroid adenomatosis 1)	
siRNA-Vinblastine Run2-DMSO	NM_0530 56	CCND1			-0.078089 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0530 56	CCND1		cyclin D1 (PRAD1: parathyroid adenomatosis 1)	-0.008067 Inlier
siRNA Disorazole DMSO Run3	NM_0530 56	CCND1		cyclin D1 (PRAD1: parathyroid adenomatosis 1)	0.008068 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0530 56	CCND1		cyclin D1 (PRAD1: parathyroid adenomatosis 1)	0.581677 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0530 56	CCND1		cyclin D1 (PRAD1: parathyroid adenomatosis 1)	1.603484 Inlier
siRNA Disorazole DMSO Run2	NM_0530 56	CCND1		adenomatosis 1)	2.274863 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0017 59	CCND2		cyclin D2	-1.817163 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0017 59	CCND2		cyclin D2	-0.747116 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0017 59	CCND2		cyclin D2	-0.601884 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0017 59	CCND2		cyclin D2	-0.033911 Inlier
siRNA Disorazole DMSO Run1	NM_0017 59	CCND2		cyclin D2	0.033911 Inlier
siRNA Disorazole DMSO Run3	NM_0017 59	CCND2		cyclin D2	0.341353 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0017 59	CCND2		cyclin D2	1.644762 Inlier
siRNA Disorazole DMSO Run2	NM_0017 59	CCND2		cyclin D2	2.093853 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Temozolomide Run3- DMSO	NM_0017 60	CCND3	cyclin D3	-1.165957	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0017 60	CCND3	cyclin D3	-0.752083	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0017 60	CCND3	cyclin D3	-0.713719	Inlier
siRNA Disorazole DMSO Run1	NM_0017 60	CCND3	cyclin D3	-0.00012	Inlier
siRNA Disorazole DMSO Run3	NM_0017 60	CCND3	cyclin D3	0.00012	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0017 60	CCND3	cyclin D3	0.168338	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0017 60	CCND3	cyclin D3	0.635281	Inlier
siRNA Disorazole DMSO Run2	NM_0017 60	CCND3	cyclin D3	0.80606	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0571 82	CCNE1	cyclin E1	-1.440193	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0571 82	CCNE1	cyclin E1	-0.976471	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0571 82	CCNE1	cyclin E1	-0.364795	Inlier
siRNA Disorazole DMSO Run1	NM_0571 82	CCNE1	cyclin E1	-0.210976	Inlier
siRNA Disorazole DMSO Run3	NM_0571 82	CCNE1	cyclin E1	0.210976	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0571 82	CCNE1	cyclin E1	0.372529	Inlier
siRNA Disorazole DMSO Run2	NM_0571 82	CCNE1	cyclin E1	1.441859	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0571 82	CCNE1	cyclin E1	1.573309	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0577 49	CCNE2	cyclin E2	-1.150176	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0577 49	CCNE2	cyclin E2	-0.981216	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0577 49	CCNE2	cyclin E2	-0.658794	Inlier
siRNA Disorazole DMSO Run1	NM_0577 49	CCNE2	cyclin E2	-0.019265	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0577 49	CCNE2	cyclin E2	0.019265	Inlier
siRNA Disorazole DMSO Run3	NM_0577 49	CCNE2	cyclin E2	0.124037	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0577 49	CCNE2	cyclin E2	0.690206	Inlier
siRNA Disorazole DMSO Run2	NM_0577 49	CCNE2	cyclin E2	0.884837	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0017 61	CCNF	cyclin F	-1.411568	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0017 61	CCNF	cyclin F	-0.830143	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Vinblastine Run2- DMSO	NM_0017 61	CCNF	cyclin F	-0.094219	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0017 61	CCNF	cyclin F	-0.060686	Inlier
siRNA Disorazole DMSO Run3	NM_0017 61	CCNF	cyclin F	0.060686	Inlier
siRNA Disorazole DMSO Run1	NM_0017 61	CCNF	cyclin F	0.518857	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0017 61	CCNF	cyclin F	1.202931	Inlier
siRNA Disorazole DMSO Run2	NM_0017 61	CCNF	cyclin F	1.389034	Inlier
siRNA Disorazole DMSO Run1	NM_0040 60	CCNG1	cyclin G1	-1.069533	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0040 60	CCNG1	cyclin G1	-0.873148	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0040 60	CCNG1	cyclin G1	-0.643686	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0040 60	CCNG1	cyclin G1	-0.073381	Inlier
siRNA Disorazole DMSO Run3	NM_0040 60	CCNG1	cyclin G1	0.073381	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0040 60	CCNG1	cyclin G1	0.446879	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0040 60	CCNG1	cyclin G1	0.705314	Inlier
siRNA Disorazole DMSO Run2	NM_0040 60	CCNG1	cyclin G1	1.160363	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0043 54	CCNG2	cyclin G2	-0.948365	Inlier
siRNA Disorazole DMSO Run3	NM_0043 54	CCNG2	cyclin G2	-0.421896	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0043 54	CCNG2	cyclin G2	-0.352669	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0043 54	CCNG2	cyclin G2	-0.050834	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0043 54	CCNG2	cyclin G2	0.050833	Inlier
siRNA Disorazole DMSO Run1	NM_0043 54	CCNG2	cyclin G2	0.927104	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0043 54	CCNG2	cyclin G2	1.83088	Inlier
siRNA Disorazole DMSO Run2	NM_0043 54	CCNG2	cyclin G2	1.845973	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0012 39	CCNH	cyclin H	-1.514226	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0012 39	CCNH	cyclin H	-0.886436	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0012 39	CCNH	cyclin H	-0.133685	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0012 39	CCNH	cyclin H	-0.090442	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_0012				
siRNA Disorazole DMSO Run3	39	CCNH	cyclin H	0.090442	Inlier
	NM_0012				
siRNA Disorazole DMSO Run2	39	CCNH	cyclin H	0.669528	Inlier
	NM_0012				
siRNA Disorazole DMSO Run1	39	CCNH	cyclin H	0.679472	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0012				
	39	CCNH	cyclin H	0.738642	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0068				
	35	CCNI	cyclin I	-0.956318	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0068				
	35	CCNI	cyclin I	-0.663951	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0068				
	35	CCNI	cyclin I	-0.370711	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0068				
	35	CCNI	cyclin I	-0.240072	Inlier
	NM_0068				
siRNA Disorazole DMSO Run1	35	CCNI	cyclin I	0.240071	Inlier
	NM_0068				
siRNA Disorazole DMSO Run3	35	CCNI	cyclin I	0.685049	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0068				
	35	CCNI	cyclin I	1.776788	Inlier
	NM_0068				
siRNA Disorazole DMSO Run2	35	CCNI	cyclin I	2.991872	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0203				
	07	CCNL1	cyclin L1	-1.500476	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0203				
	07	CCNL1	cyclin L1	-1.337145	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0203				
	07	CCNL1	cyclin L1	-0.619315	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0203				
	07	CCNL1	cyclin L1	-0.284539	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0203				
	07	CCNL1	cyclin L1	0.284539	Inlier
	NM_0203				
siRNA Disorazole DMSO Run3	07	CCNL1	cyclin L1	0.544409	Inlier
	NM_0203				
siRNA Disorazole DMSO Run2	07	CCNL1	cyclin L1	0.729685	Inlier
	NM_0203				
siRNA Disorazole DMSO Run1	07	CCNL1	cyclin L1	1.027749	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0012				
	40	CCNT1	cyclin T1	-1.15316	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0012				
	40	CCNT1	cyclin T1	-1.013796	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0012				
	40	CCNT1	cyclin T1	-0.335204	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0012				
	40	CCNT1	cyclin T1	-0.096416	Inlier
	NM_0012				
siRNA Disorazole DMSO Run3	40	CCNT1	cyclin T1	0.096416	Inlier
	NM_0012				
siRNA Disorazole DMSO Run1	40	CCNT1	cyclin T1	0.129682	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA/Vinblastine Run	Gene	Gene ID	Gene Name	Value	Category
siRNA-Vinblastine Run1-DMSO	CCNT1	NM_0012 40	cyclin T1	1.684646	Inlier
siRNA Disorazole DMSO Run2	CCNT1	NM_0012 40	cyclin T1	1.871299	Inlier
siRNA-Temozolomide Run2-DMSO	CCNT2	NM_0582 41	cyclin T2	-1.149437	Inlier
siRNA-Temozolomide Run3-DMSO	CCNT2	NM_0582 41	cyclin T2	-0.873218	Inlier
siRNA-Temozolomide Run1-DMSO	CCNT2	NM_0582 41	cyclin T2	-0.717841	Inlier
siRNA Disorazole DMSO Run3	CCNT2	NM_0582 41	cyclin T2	-0.008085	Inlier
siRNA-Vinblastine Run2-DMSO	CCNT2	NM_0582 41	cyclin T2	0.008085	Inlier
siRNA Disorazole DMSO Run1	CCNT2	NM_0582 41	cyclin T2	0.24182	Inlier
siRNA-Vinblastine Run1-DMSO	CCNT2	NM_0582 41	cyclin T2	0.631159	Inlier
siRNA Disorazole DMSO Run2	CCNT2	NM_0582 41	cyclin T2 chemokine (C-C motif)	0.746458	Inlier
siRNA Disorazole DMSO Run2	CCR1	NM_0012 95	receptor 1 chemokine (C-C motif)	-2.203284	Inlier
siRNA-Temozolomide Run3-DMSO	CCR1	NM_0012 95	receptor 1 chemokine (C-C motif)	-1.425779	Inlier
siRNA Disorazole DMSO Run3	CCR1	NM_0012 95	receptor 1 chemokine (C-C motif)	-0.672837	Inlier
siRNA-Temozolomide Run1-DMSO	CCR1	NM_0012 95	receptor 1 chemokine (C-C motif)	-0.059881	Inlier
siRNA Disorazole DMSO Run1	CCR1	NM_0012 95	receptor 1 chemokine (C-C motif)	0.059882	Inlier
siRNA-Temozolomide Run2-DMSO	CCR1	NM_0012 95	receptor 1 chemokine (C-C motif)	0.481741	Inlier
siRNA-Vinblastine Run2-DMSO	CCR1	NM_0012 95	receptor 1 chemokine (C-C motif)	0.676162	Inlier
siRNA-Vinblastine Run1-DMSO	CCR1	NM_0012 95	receptor 1 chemokine (C-C motif)	0.970215	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

				chemokine (C-C motif)		
siRNA Disorazole DMSO Run2	NM_0006 48	CCR2	receptor 2	-2.607027	Inlier	
			chemokine (C-C motif)			
siRNA Disorazole DMSO Run1	NM_0006 48	CCR2	receptor 2	-2.335541	Inlier	
			chemokine (C-C motif)			
siRNA-Temozolomide Run2- DMSO	NM_0006 48	CCR2	receptor 2	-0.548815	Inlier	
			chemokine (C-C motif)			
siRNA-Temozolomide Run1- DMSO	NM_0006 48	CCR2	receptor 2	-0.121488	Inlier	
			chemokine (C-C motif)			
siRNA-Temozolomide Run3- DMSO	NM_0006 48	CCR2	receptor 2	0.121489	Inlier	
			chemokine (C-C motif)			
siRNA Disorazole DMSO Run3	NM_0006 48	CCR2	receptor 2	0.275288	Inlier	
			chemokine (C-C motif)			
siRNA-Vinblastine Run2- DMSO	NM_0006 48	CCR2	receptor 2	0.800185	Inlier	
			chemokine (C-C motif)			
siRNA-Vinblastine Run1- DMSO	NM_0006 48	CCR2	receptor 2	1.676504	Inlier	
			chemokine (C-C motif)			
siRNA Disorazole DMSO Run2	NM_0018 37	CCR3	receptor 3	-1.504975	Inlier	
			chemokine (C-C motif)			
siRNA-Temozolomide Run3- DMSO	NM_0018 37	CCR3	receptor 3	-0.864906	Inlier	
			chemokine (C-C motif)			
siRNA Disorazole DMSO Run1	NM_0018 37	CCR3	receptor 3	-0.37879	Inlier	
			chemokine (C-C motif)			
siRNA Disorazole DMSO Run3	NM_0018 37	CCR3	receptor 3	-0.133896	Inlier	
			chemokine (C-C motif)			
siRNA-Temozolomide Run2- DMSO	NM_0018 37	CCR3	receptor 3	0.133896	Inlier	

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0018 37	CCR3	chemokine (C-C motif) receptor 3	0.484094	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0018 37	CCR3	chemokine (C-C motif) receptor 3	1.347875	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0018 37	CCR3	chemokine (C-C motif) receptor 3	1.541506	Inlier
siRNA Disorazole DMSO Run2	NM_0055 08	CCR4	chemokine (C-C motif) receptor 4	-1.801443	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0055 08	CCR4	chemokine (C-C motif) receptor 4	-0.893528	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0055 08	CCR4	chemokine (C-C motif) receptor 4	-0.816833	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0055 08	CCR4	chemokine (C-C motif) receptor 4	-0.2972	Inlier
siRNA Disorazole DMSO Run3	NM_0055 08	CCR4	chemokine (C-C motif) receptor 4	0.297199	Inlier
siRNA Disorazole DMSO Run1	NM_0055 08	CCR4	chemokine (C-C motif) receptor 4	0.518629	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0055 08	CCR4	chemokine (C-C motif) receptor 4	0.606838	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0055 08	CCR4	chemokine (C-C motif) receptor 4	0.742162	Inlier
siRNA Disorazole DMSO Run2	NM_0005 79	CCR5	chemokine (C-C motif) receptor 5	-1.856256	Inlier
siRNA Disorazole DMSO Run1	NM_0005 79	CCR5	chemokine (C-C motif) receptor 5	-0.97342	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_000579	CCR5	chemokine (C-C motif) receptor 5	-0.37558	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000579	CCR5	chemokine (C-C motif) receptor 5	-0.07521	Inlier
siRNA Disorazole DMSO Run3	NM_000579	CCR5	chemokine (C-C motif) receptor 5	0.075209	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000579	CCR5	chemokine (C-C motif) receptor 5	0.242734	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000579	CCR5	chemokine (C-C motif) receptor 5	1.128732	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000579	CCR5	chemokine (C-C motif) receptor 5	1.362885	Inlier
siRNA-Temozolomide Run3-DMSO	NM_031409	CCR6	chemokine (C-C motif) receptor 6	-1.286817	Inlier
siRNA Disorazole DMSO Run2	NM_031409	CCR6	chemokine (C-C motif) receptor 6	-0.839616	Inlier
siRNA Disorazole DMSO Run1	NM_031409	CCR6	chemokine (C-C motif) receptor 6	-0.581652	Inlier
siRNA Disorazole DMSO Run3	NM_031409	CCR6	chemokine (C-C motif) receptor 6	-0.343816	Inlier
siRNA-Temozolomide Run2-DMSO	NM_031409	CCR6	chemokine (C-C motif) receptor 6	0.343816	Inlier
siRNA-Temozolomide Run1-DMSO	NM_031409	CCR6	chemokine (C-C motif) receptor 6	0.407191	Inlier
siRNA-Vinblastine Run2-DMSO	NM_031409	CCR6	chemokine (C-C motif) receptor 6	0.767348	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_031409	CCR6	chemokine (C-C motif) receptor 6	1.273469	Inlier
siRNA Disorazole DMSO Run2	NM_001838	CCR7	chemokine (C-C motif) receptor 7	-2.490677	Inlier
siRNA Disorazole DMSO Run1	NM_001838	CCR7	chemokine (C-C motif) receptor 7	-1.594834	Inlier
siRNA Disorazole DMSO Run3	NM_001838	CCR7	chemokine (C-C motif) receptor 7	-0.316439	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001838	CCR7	chemokine (C-C motif) receptor 7	-0.19049	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001838	CCR7	chemokine (C-C motif) receptor 7	0.190489	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001838	CCR7	chemokine (C-C motif) receptor 7	0.208862	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001838	CCR7	chemokine (C-C motif) receptor 7	1.032561	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001838	CCR7	chemokine (C-C motif) receptor 7	1.081545	Inlier
siRNA Disorazole DMSO Run1	NM_005201	CCR8	chemokine (C-C motif) receptor 8	-1.236488	Inlier
siRNA Disorazole DMSO Run2	NM_005201	CCR8	chemokine (C-C motif) receptor 8	-1.048803	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005201	CCR8	chemokine (C-C motif) receptor 8	-0.817709	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005201	CCR8	chemokine (C-C motif) receptor 8	-0.311558	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_005201	CCR8	chemokine (C-C motif) receptor 8	0.311558	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005201	CCR8	chemokine (C-C motif) receptor 8	0.434559	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005201	CCR8	chemokine (C-C motif) receptor 8	0.531291	Inlier
siRNA Disorazole DMSO Run3	NM_005201	CCR8	chemokine (C-C motif) receptor 8	0.975986	Inlier
siRNA Disorazole DMSO Run1	NM_031200	CCR9	chemokine (C-C motif) receptor 9	-1.386013	Inlier
siRNA Disorazole DMSO Run2	NM_031200	CCR9	chemokine (C-C motif) receptor 9	-1.113387	Inlier
siRNA-Temozolomide Run3-DMSO	NM_031200	CCR9	chemokine (C-C motif) receptor 9	-0.235613	Inlier
siRNA-Temozolomide Run1-DMSO	NM_031200	CCR9	chemokine (C-C motif) receptor 9	-0.045155	Inlier
siRNA Disorazole DMSO Run3	NM_031200	CCR9	chemokine (C-C motif) receptor 9	0.045155	Inlier
siRNA-Temozolomide Run2-DMSO	NM_031200	CCR9	chemokine (C-C motif) receptor 9	0.112868	Inlier
siRNA-Vinblastine Run2-DMSO	NM_031200	CCR9	chemokine (C-C motif) receptor 9	1.154769	Inlier
siRNA-Vinblastine Run1-DMSO	NM_031200	CCR9	chemokine (C-C motif) receptor 9	1.7	Inlier
siRNA Disorazole DMSO Run2	NM_178432	CCRK	cell cycle related kinase	-0.722431	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_1784 32	CCRK	cell cycle related kinase	-0.626569	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1784 32	CCRK	cell cycle related kinase	-0.439235	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1784 32	CCRK	cell cycle related kinase	-0.091902	Inlier
siRNA Disorazole DMSO Run3	NM_1784 32	CCRK	cell cycle related kinase	0.091902	Inlier
siRNA Disorazole DMSO Run1	NM_1784 32	CCRK	cell cycle related kinase	0.778536	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1784 32	CCRK	cell cycle related kinase	1.181681	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1784 32	CCRK	cell cycle related kinase	1.561313	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1784 45	CCRL1	chemokine (C-C motif) receptor-like 1	-0.911154	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1784 45	CCRL1	chemokine (C-C motif) receptor-like 1	-0.713818	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1784 45	CCRL1	chemokine (C-C motif) receptor-like 1	-0.635182	Inlier
siRNA Disorazole DMSO Run2	NM_1784 45	CCRL1	chemokine (C-C motif) receptor-like 1	-0.32838	Inlier
siRNA Disorazole DMSO Run3	NM_1784 45	CCRL1	chemokine (C-C motif) receptor-like 1	0.32838	Inlier
siRNA Disorazole DMSO Run1	NM_1784 45	CCRL1	chemokine (C-C motif) receptor-like 1	0.515889	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_1784 45	CCRL1	chemokine (C-C motif) receptor- like 1	2.291419	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1784 45	CCRL1	chemokine (C-C motif) receptor- like 1	2.29248	Inlier
siRNA Disorazole DMSO Run2	NM_0039 65	CCRL2	chemokine (C-C motif) receptor- like 2	-0.990602	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0039 65	CCRL2	chemokine (C-C motif) receptor- like 2	-0.844087	Inlier
siRNA Disorazole DMSO Run1	NM_0039 65	CCRL2	chemokine (C-C motif) receptor- like 2	-0.624872	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0039 65	CCRL2	chemokine (C-C motif) receptor- like 2	-0.162191	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0039 65	CCRL2	chemokine (C-C motif) receptor- like 2	0.162191	Inlier
siRNA Disorazole DMSO Run3	NM_0039 65	CCRL2	chemokine (C-C motif) receptor- like 2	0.269958	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0039 65	CCRL2	chemokine (C-C motif) receptor- like 2	0.724128	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0039 65	CCRL2	chemokine (C-C motif) receptor- like 2	0.826663	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0051 25	CCS	copper chaperone for superoxid e dismutase	-1.138644	Inlier
siRNA Disorazole DMSO Run1	NM_0051 25	CCS	copper chaperone for superoxid e dismutase	-0.838834	Inlier
siRNA Disorazole DMSO Run3	NM_0051 25	CCS	copper chaperone for superoxid e dismutase	-0.73143	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0051 25	CCS	copper chaperone for superoxid e dismutase	-0.102121	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0051 25	CCS	copper chaperone for superoxid e dismutase	0.102121	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0051 25	CCS	copper chaperone for superoxid e dismutase	0.287757	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0051 25	CCS	copper chaperone for superoxid e dismutase	0.61757	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

			copper chaperone for superoxid e	
siRNA Disorazole DMSO Run2	NM_0051 25	CCS	dismutase	0.921971 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0042 44	CD163	CD163 antigen	-1.311458 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0042 44	CD163	CD163 antigen	-1.099754 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0042 44	CD163	CD163 antigen	-0.187836 Inlier
siRNA Disorazole DMSO Run3	NM_0042 44	CD163	CD163 antigen	-0.025555 Inlier
siRNA Disorazole DMSO Run1	NM_0042 44	CD163	CD163 antigen	0.025555 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0042 44	CD163	CD163 antigen	0.249246 Inlier
siRNA Disorazole DMSO Run2	NM_0042 44	CD163	CD163 antigen	1.481818 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0042 44	CD163	CD163 antigen CD2 antigen (p50), sheep red blood cell receptor	-1.642262 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0017 67	CD2	CD2 antigen (p50), sheep red blood cell receptor	-0.483018 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0017 67	CD2	CD2 antigen (p50), sheep red blood cell receptor	-0.384176 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0017 67	CD2	CD2 antigen (p50), sheep red blood cell receptor	-0.183264 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Value	Category
siRNA Disorazole DMSO Run3	NM_001767	CD2	CD2 antigen (p50), sheep red blood cell receptor	0.183263	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001767	CD2	CD2 antigen (p50), sheep red blood cell receptor	0.865982	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001767	CD2	CD2 antigen (p50), sheep red blood cell receptor	1.251691	Inlier
siRNA Disorazole DMSO Run2	NM_001767	CD2	CD2 antigen (p50), sheep red blood cell receptor	1.385577	Inlier
siRNA Disorazole DMSO Run1	NM_016382	CD244	CD244 natural killer cell receptor 2B4	-1.253016	Inlier
siRNA-Temozolomide Run3-DMSO	NM_016382	CD244	CD244 natural killer cell receptor 2B4	-0.847938	Inlier
siRNA-Temozolomide Run1-DMSO	NM_016382	CD244	CD244 natural killer cell receptor 2B4	-0.501062	Inlier
siRNA Disorazole DMSO Run3	NM_016382	CD244	CD244 natural killer cell receptor 2B4	-0.049457	Inlier
siRNA-Temozolomide Run2-DMSO	NM_016382	CD244	CD244 natural killer cell receptor 2B4	0.049458	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Cell Line	Gene Name	Value	Outlier
siRNA-Vinblastine Run2-DMSO	NM_016382	CD244	CD244 natural killer cell receptor 2B4	0.215761	Inlier
siRNA Disorazole DMSO Run2	NM_016382	CD244	CD244 natural killer cell receptor 2B4	1.48157	Inlier
siRNA-Vinblastine Run1-DMSO	NM_016382	CD244	CD244 natural killer cell receptor 2B4	1.497318	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001001548	CD36	CD36 antigen (collagen type I receptor, thrombospondin receptor)	-1.033221	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001001548	CD36	CD36 antigen (collagen type I receptor, thrombospondin receptor)	-0.678005	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001001548	CD36	CD36 antigen (collagen type I receptor, thrombospondin receptor)	-0.670995	Inlier
siRNA Disorazole DMSO Run3	NM_001001548	CD36	CD36 antigen (collagen type I receptor, thrombospondin receptor)	-0.01169	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log Fold Change	Outlier Status
siRNA-Vinblastine Run2-DMSO	NM_00101548	CD36	CD36 antigen (collagen type I receptor, thrombospondin receptor)	0.01169	Inlier
siRNA Disorazole DMSO Run1	NM_00101548	CD36	CD36 antigen (collagen type I receptor, thrombospondin receptor)	0.267705	Inlier
siRNA-Vinblastine Run1-DMSO	NM_00101548	CD36	CD36 antigen (collagen type I receptor, thrombospondin receptor)	1.049026	Inlier
siRNA Disorazole DMSO Run2	NM_00101548	CD36	CD36 antigen (collagen type I receptor, thrombospondin receptor)	1.156388	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001775	CD38	CD38 antigen (p45)	-2.037647	Inlier
siRNA Disorazole DMSO Run1	NM_001775	CD38	CD38 antigen (p45)	-1.04084	Inlier
siRNA Disorazole DMSO Run3	NM_001775	CD38	CD38 antigen (p45)	-0.671138	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001775	CD38	CD38 antigen (p45)	-0.512904	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001775	CD38	CD38 antigen (p45)	0.512905	Inlier
siRNA Disorazole DMSO Run2	NM_001775	CD38	CD38 antigen (p45)	0.644696	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0017 75	CD38	CD38 antigen (p45)	0.677861	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0017 75	CD38	CD38 antigen (p45)	2.325833	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 01391	CD44	CD44 antigen (homing function and Indian blood group system)	-2.092615	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 01391	CD44	CD44 antigen (homing function and Indian blood group system)	-1.865254	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 01391	CD44	CD44 antigen (homing function and Indian blood group system)	-0.40928	Inlier
siRNA Disorazole DMSO Run1	NM_0010 01391	CD44	CD44 antigen (homing function and Indian blood group system)	-0.206309	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 01391	CD44	CD44 antigen (homing function and Indian blood group system)	0.206308	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Value	Outlier Status
siRNA Disorazole DMSO Run3	NM_00101391	CD44	CD44 antigen (homing function and Indian blood group system)	0.433315	Inlier
siRNA-Vinblastine Run1-DMSO	NM_00101391	CD44	CD44 antigen (homing function and Indian blood group system)	0.915685	Inlier
siRNA Disorazole DMSO Run2	NM_00101391	CD44	CD44 antigen (homing function and Indian blood group system)	1.912903	Inlier
siRNA-Temozolomide Run2-DMSO	NM_014207	CD5	CD5 antigen (p56-62)	-1.870318	Inlier
siRNA-Temozolomide Run3-DMSO	NM_014207	CD5	CD5 antigen (p56-62)	-1.784448	Inlier
siRNA-Temozolomide Run1-DMSO	NM_014207	CD5	CD5 antigen (p56-62)	-0.750075	Inlier
siRNA Disorazole DMSO Run1	NM_014207	CD5	CD5 antigen (p56-62)	-0.117259	Inlier
siRNA-Vinblastine Run2-DMSO	NM_014207	CD5	CD5 antigen (p56-62)	0.117259	Inlier
siRNA Disorazole DMSO Run3	NM_014207	CD5	CD5 antigen (p56-62)	0.154038	Inlier
siRNA-Vinblastine Run1-DMSO	NM_014207	CD5	CD5 antigen (p56-62)	0.613152	Inlier
siRNA Disorazole DMSO Run2	NM_014207	CD5	CD5 antigen (p56-62)	0.735847	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0058 94	CD5L	CD5 antigen- like (scavenger receptor cysteine rich family)	-0.799652	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0058 94	CD5L	CD5 antigen- like (scavenger receptor cysteine rich family)	-0.750402	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0058 94	CD5L	CD5 antigen- like (scavenger receptor cysteine rich family)	-0.457178	Inlier
siRNA Disorazole DMSO Run3	NM_0058 94	CD5L	CD5 antigen- like (scavenger receptor cysteine rich family)	-0.018061	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0058 94	CD5L	CD5 antigen- like (scavenger receptor cysteine rich family)	0.018061	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0058 94	CD5L	CD5 antigen- like (scavenger receptor cysteine rich family)	0.598599	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0058 94	CD5L	CD5 antigen-like (scavenger receptor cysteine rich family)	0.875978	Inlier
siRNA Disorazole DMSO Run2	NM_0058 94	CD5L	CD5 antigen-like (scavenger receptor cysteine rich family)	1.028416	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0067 25	CD6	CD6 antigen	-4.069106	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0067 25	CD6	CD6 antigen	-0.900979	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0067 25	CD6	CD6 antigen	-0.651486	Inlier
siRNA Disorazole DMSO Run1	NM_0067 25	CD6	CD6 antigen	-0.510092	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0067 25	CD6	CD6 antigen	0.510092	Inlier
siRNA Disorazole DMSO Run2	NM_0067 25	CD6	CD6 antigen	0.654541	Inlier
siRNA Disorazole DMSO Run3	NM_0067 25	CD6	CD6 antigen	0.694459	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0067 25	CD6	CD6 antigen	0.821133	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0784 81	CD97	CD97 antigen	-0.925044	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0784 81	CD97	CD97 antigen	-0.800479	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0784 81	CD97	CD97 antigen	-0.611694	Inlier
siRNA Disorazole DMSO Run1	NM_0784 81	CD97	CD97 antigen	-0.00121	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0784 81	CD97	CD97 antigen	0.00121	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0784 81	CD97	CD97 antigen	0.392486	Inlier
siRNA Disorazole DMSO Run2	NM_0784 81	CD97	CD97 antigen	0.737306	Inlier
siRNA Disorazole DMSO Run3	NM_0784 81	CD97	CD97 antigen cytidine	4.475647	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0017 85	CDA	deaminase	-1.14446	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0017 85	CDA	cytidine deaminas e	-0.87588	Inlier
siRNA Disorazole DMSO Run3	NM_0017 85	CDA	cytidine deaminas e	-0.055007	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0017 85	CDA	cytidine deaminas e	-0.033611	Inlier
siRNA Disorazole DMSO Run1	NM_0017 85	CDA	cytidine deaminas e	0.03361	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0017 85	CDA	cytidine deaminas e	0.47312	Inlier
siRNA Disorazole DMSO Run2	NM_0017 85	CDA	cytidine deaminas e	2.195627	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0017 85	CDA	cytidine deaminas e	2.65082	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0307 90	CDA08	CDA08	-1.226507	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0307 90	CDA08	CDA08	-1.130823	Inlier
siRNA Disorazole DMSO Run3	NM_0307 90	CDA08	CDA08	-0.688164	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0307 90	CDA08	CDA08	-0.20242	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0307 90	CDA08	CDA08	0.202419	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0307 90	CDA08	CDA08	0.39937	Inlier
siRNA Disorazole DMSO Run1	NM_0307 90	CDA08	CDA08	0.660836	Inlier
siRNA Disorazole DMSO Run2	NM_0307 90	CDA08	CDA08	1.231776	Inlier
siRNA Disorazole DMSO Run2	NM_0309 11	CDADC1	cytidine and dCMP deaminas e domain containing 1	-0.945721	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0309 11	CDADC1	cytidine and dCMP deaminas e domain containing 1	-0.933498	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0309 11	CDADC1	1	cytidine and dCMP deaminas e domain containing	-0.415502 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0309 11	CDADC1	1	cytidine and dCMP deaminas e domain containing	-0.061855 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0309 11	CDADC1	1	cytidine and dCMP deaminas e domain containing	0.061856 Inlier
siRNA Disorazole DMSO Run1	NM_0309 11	CDADC1	1	cytidine and dCMP deaminas e domain containing	0.233467 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0309 11	CDADC1	1	cytidine and dCMP deaminas e domain containing	0.948854 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0309 11	CDADC1	1	cytidine and dCMP deaminas e domain containing	1.027771 Inlier
siRNA Disorazole DMSO Run2	NM_0333 13	CDC14A	1	CDC14 cell division cycle 14 homolog A (S. cerevisiae)	-0.911263 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0333 13	CDC14A	CDC14 cell division cycle 14 homolog A (S. cerevisiae)	-0.678595	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0333 13	CDC14A	CDC14 cell division cycle 14 homolog A (S. cerevisiae)	-0.609723	Inlier
siRNA Disorazole DMSO Run1	NM_0333 13	CDC14A	CDC14 cell division cycle 14 homolog A (S. cerevisiae)	-0.41308	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0333 13	CDC14A	CDC14 cell division cycle 14 homolog A (S. cerevisiae)	0.41308	Inlier
siRNA Disorazole DMSO Run3	NM_0333 13	CDC14A	CDC14 cell division cycle 14 homolog A (S. cerevisiae)	0.670405	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0333 13	CDC14A	CDC14 cell division cycle 14 homolog A (S. cerevisiae)	0.732988	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0333 13	CDC14A	CDC14 cell division cycle 14 homolog A (S. cerevisiae)	1.199115	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0333 32	CDC14B	CDC14 cell division cycle 14 homolog B (S. cerevisiae)	-1.843156	Inlier
siRNA Disorazole DMSO Run2	NM_0333 32	CDC14B	CDC14 cell division cycle 14 homolog B (S. cerevisiae)	-0.849083	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0333 32	CDC14B	CDC14 cell division cycle 14 homolog B (S. cerevisiae)	-0.717037	Inlier
siRNA Disorazole DMSO Run1	NM_0333 32	CDC14B	CDC14 cell division cycle 14 homolog B (S. cerevisiae)	-0.219575	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0333 32	CDC14B	CDC14 cell division cycle 14 homolog B (S. cerevisiae)	0.219575	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_033332	CDC14B	CDC14 cell division cycle 14 homolog B (S. cerevisiae)	0.453098	Inlier
siRNA-Vinblastine Run2-DMSO	NM_033332	CDC14B	CDC14 cell division cycle 14 homolog B (S. cerevisiae)	0.631963	Inlier
siRNA Disorazole DMSO Run3	NM_033332	CDC14B	CDC14 cell division cycle 14 homolog B (S. cerevisiae)	2.157265	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001786	CDC2	cell division cycle 2, G1 to S and G2 to M	-1.916568	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001786	CDC2	cell division cycle 2, G1 to S and G2 to M	-0.72448	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001786	CDC2	cell division cycle 2, G1 to S and G2 to M	-0.45531	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001786	CDC2	cell division cycle 2, G1 to S and G2 to M	-0.250922	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0017 86	CDC2	cell division cycle 2, G1 to S and G2 to M	0.250922	Inlier
siRNA Disorazole DMSO Run1	NM_0017 86	CDC2	cell division cycle 2, G1 to S and G2 to M	0.62452	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0017 86	CDC2	cell division cycle 2, G1 to S and G2 to M	1.971406	Inlier
siRNA Disorazole DMSO Run2	NM_0017 86	CDC2	cell division cycle 2, G1 to S and G2 to M	1.98946	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0046 61	CDC23	CDC23 (cell division cycle 23, yeast, homolog)	-1.304693	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0046 61	CDC23	CDC23 (cell division cycle 23, yeast, homolog)	-0.797097	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0046 61	CDC23	CDC23 (cell division cycle 23, yeast, homolog)	-0.310832	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0046 61	CDC23	CDC23 (cell division cycle 23, yeast, homolog)	-0.073425	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0046 61	CDC23	CDC23 (cell division cycle 23, yeast, homolog) CDC23	0.073425	Inlier
siRNA Disorazole DMSO Run1	NM_0046 61	CDC23	CDC23 (cell division cycle 23, yeast, homolog) CDC23	0.551903	Inlier
siRNA Disorazole DMSO Run2	NM_0046 61	CDC23	CDC23 (cell division cycle 23, yeast, homolog) CDC23	1.114816	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0046 61	CDC23	CDC23 (cell division cycle 23, yeast, homolog) cell	1.273848	Inlier
siRNA Disorazole DMSO Run2	NM_2015 67	CDC25A	division cycle 25A cell	-0.731883	Inlier
siRNA-Temozolomide Run2- DMSO	NM_2015 67	CDC25A	division cycle 25A cell	-0.617117	Inlier
siRNA-Temozolomide Run3- DMSO	NM_2015 67	CDC25A	division cycle 25A cell	-0.494229	Inlier
siRNA Disorazole DMSO Run3	NM_2015 67	CDC25A	division cycle 25A cell	-0.13803	Inlier
siRNA Disorazole DMSO Run1	NM_2015 67	CDC25A	division cycle 25A cell	0.13803	Inlier
siRNA-Temozolomide Run1- DMSO	NM_2015 67	CDC25A	division cycle 25A cell	1.101599	Inlier
siRNA-Vinblastine Run1- DMSO	NM_2015 67	CDC25A	division cycle 25A cell	1.110747	Inlier
siRNA-Vinblastine Run2- DMSO	NM_2015 67	CDC25A	division cycle 25A cell	1.126517	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0218 72	CDC25B	division cycle 25B	-1.107244	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

	NM_0218		cell division		
siRNA Disorazole DMSO Run2	72	CDC25B	cycle 25B	-0.673631	Inlier
	NM_0218		cell division		
siRNA-Temozolomide Run3-DMSO	72	CDC25B	cycle 25B	-0.400655	Inlier
	NM_0218		cell division		
siRNA-Temozolomide Run2-DMSO	72	CDC25B	cycle 25B	-0.124761	Inlier
	NM_0218		cell division		
siRNA Disorazole DMSO Run1	72	CDC25B	cycle 25B	0.124759	Inlier
	NM_0218		cell division		
siRNA-Temozolomide Run1-DMSO	72	CDC25B	cycle 25B	0.675369	Inlier
	NM_0218		cell division		
siRNA-Vinblastine Run2-DMSO	72	CDC25B	cycle 25B	2.312521	Inlier
	NM_0218		cell division		
siRNA Disorazole DMSO Run3	72	CDC25B	cycle 25B	3.150997	Inlier
	NM_0017		cell division		
siRNA Disorazole DMSO Run2	90	CDC25C	cycle 25C	-1.193778	Inlier
	NM_0017		cell division		
siRNA-Temozolomide Run2-DMSO	90	CDC25C	cycle 25C	-0.919915	Inlier
	NM_0017		cell division		
siRNA-Temozolomide Run3-DMSO	90	CDC25C	cycle 25C	-0.357712	Inlier
	NM_0017		cell division		
siRNA Disorazole DMSO Run3	90	CDC25C	cycle 25C	-0.33147	Inlier
	NM_0017		cell division		
siRNA Disorazole DMSO Run1	90	CDC25C	cycle 25C	0.33147	Inlier
	NM_0017		cell division		
siRNA-Temozolomide Run1-DMSO	90	CDC25C	cycle 25C	0.429085	Inlier
	NM_0017		cell division		
siRNA-Vinblastine Run1-DMSO	90	CDC25C	cycle 25C	0.966983	Inlier
	NM_0017		cell division		
siRNA-Vinblastine Run2-DMSO	90	CDC25C	cycle 25C	1.770257	Inlier
	NM_0334		cell division cycle 2- like 1 (PITSLRE proteins)		
siRNA Disorazole DMSO Run2	92	CDC2L1		-1.154514	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Category	Value	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_033492	CDC2L1	cell division cycle 2-like 1 (PITSLRE proteins)	-0.776817	Inlier
siRNA-Temozolomide Run2-DMSO	NM_033492	CDC2L1	cell division cycle 2-like 1 (PITSLRE proteins)	-0.61516	Inlier
siRNA Disorazole DMSO Run3	NM_033492	CDC2L1	cell division cycle 2-like 1 (PITSLRE proteins)	-0.139548	Inlier
siRNA Disorazole DMSO Run1	NM_033492	CDC2L1	cell division cycle 2-like 1 (PITSLRE proteins)	0.139548	Inlier
siRNA-Temozolomide Run1-DMSO	NM_033492	CDC2L1	cell division cycle 2-like 1 (PITSLRE proteins)	0.202034	Inlier
siRNA-Vinblastine Run1-DMSO	NM_033492	CDC2L1	cell division cycle 2-like 1 (PITSLRE proteins)	0.73384	Inlier
siRNA-Vinblastine Run2-DMSO	NM_033492	CDC2L1	cell division cycle 2-like 1 (PITSLRE proteins)	1.967851	Inlier
siRNA-Temozolomide Run3-DMSO	NM_033532	CDC2L2	cell division cycle 2-like 2 (PITSLRE proteins)	-0.728042	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0335 32	CDC2L2	cell division cycle 2- like 2 (PITSLRE proteins)	-0.646482	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0335 32	CDC2L2	cell division cycle 2- like 2 (PITSLRE proteins)	-0.358234	Inlier
siRNA Disorazole DMSO Run3	NM_0335 32	CDC2L2	cell division cycle 2- like 2 (PITSLRE proteins)	-0.157257	Inlier
siRNA Disorazole DMSO Run1	NM_0335 32	CDC2L2	cell division cycle 2- like 2 (PITSLRE proteins)	0.157257	Inlier
siRNA Disorazole DMSO Run2	NM_0335 32	CDC2L2	cell division cycle 2- like 2 (PITSLRE proteins)	0.702518	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0335 32	CDC2L2	cell division cycle 2- like 2 (PITSLRE proteins)	0.708715	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0335 32	CDC2L2	cell division cycle 2- like 2 (PITSLRE proteins)	1.178943	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0037 18	CDC2L5	cell division cycle 2- like 5 (cholineste rase- related cell division controller)	-0.719169	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0037 18	CDC2L5	cell division cycle 2- like 5 (cholineste rase- related cell division controller)	-0.629831	Inlier
siRNA Disorazole DMSO Run3	NM_0037 18	CDC2L5	cell division cycle 2- like 5 (cholineste rase- related cell division controller)	-0.436542	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0037 18	CDC2L5	cell division cycle 2- like 5 (cholineste rase- related cell division controller)	-0.055613	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0037 18	CDC2L5	cell division cycle 2- like 5 (cholineste rase- related cell division controller)	0.055614	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0037 18	CDC2L5	cell division cycle 2- like 5 (cholineste rase- related cell division controller)	1.453285	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0037 18	CDC2L5	cell division cycle 2- like 5 (cholineste rase- related cell division controller)	1.51939	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0037 18	CDC2L5	cell division cycle 2- like 5 (cholineste rase- related cell division controller)	2.293977	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0043 59	CDC34	cell division cycle 34	-2.260077	Inlier
siRNA Disorazole DMSO Run3	NM_0043 59	CDC34	cell division cycle 34	-0.648914	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0043 59	CDC34	cell division cycle 34	-0.648305	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0043 59	CDC34	cell division cycle 34	-0.303626	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0043 59	CDC34	cell division cycle 34	0.303626	Inlier
siRNA Disorazole DMSO Run1	NM_0043 59	CDC34	cell division cycle 34	0.700086	Inlier
siRNA Disorazole DMSO Run2	NM_0043 59	CDC34	cell division cycle 34	1.275929	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0043 59	CDC34	cell division cycle 34	2.607739	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0444 72	CDC42	cell division cycle 42 (GTP binding protein, 25kDa)	-1.061088	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Value	Outlier Type
siRNA-Temozolomide Run1-DMSO	NM_044472	CDC42	cell division cycle 42 (GTP binding protein, 25kDa)	-0.837257	Inlier
siRNA-Temozolomide Run2-DMSO	NM_044472	CDC42	cell division cycle 42 (GTP binding protein, 25kDa)	-0.368298	Inlier
siRNA Disorazole DMSO Run3	NM_044472	CDC42	cell division cycle 42 (GTP binding protein, 25kDa)	-0.125662	Inlier
siRNA Disorazole DMSO Run1	NM_044472	CDC42	cell division cycle 42 (GTP binding protein, 25kDa)	0.125662	Inlier
siRNA Disorazole DMSO Run2	NM_044472	CDC42	cell division cycle 42 (GTP binding protein, 25kDa)	0.511743	Inlier
siRNA-Vinblastine Run2-DMSO	NM_044472	CDC42	cell division cycle 42 (GTP binding protein, 25kDa)	1.010245	Inlier
siRNA-Vinblastine Run1-DMSO	NM_044472	CDC42	cell division cycle 42 (GTP binding protein, 25kDa)	1.116261	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Accession	Gene Name	Value	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_014826	A	CDC42BP (DMPK-like) CDC42 binding protein kinase alpha	-2.203325	Inlier
siRNA Disorazole DMSO Run3	NM_014826	A	CDC42BP (DMPK-like) CDC42 binding protein kinase alpha	-0.383785	Inlier
siRNA Disorazole DMSO Run2	NM_014826	A	CDC42BP (DMPK-like) CDC42 binding protein kinase alpha	-0.110207	Inlier
siRNA-Temozolomide Run1-DMSO	NM_014826	A	CDC42BP (DMPK-like) CDC42 binding protein kinase alpha	-0.068074	Inlier
siRNA-Temozolomide Run2-DMSO	NM_014826	A	CDC42BP (DMPK-like) CDC42 binding protein kinase alpha	0.068074	Inlier
siRNA Disorazole DMSO Run1	NM_014826	A	CDC42BP (DMPK-like) CDC42 binding protein kinase alpha	0.965215	Inlier
siRNA-Vinblastine Run1-DMSO	NM_014826	A	CDC42BP (DMPK-like) CDC42 binding protein kinase alpha	1.785951	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Accession	Gene Name	Value	Outlier Status
siRNA-Vinblastine Run2-DMSO	NM_014826	A	CDC42BP (DMPK-like) CDC42 binding protein kinase alpha	2.19008	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006035	B	CDC42BP (DMPK-like) CDC42 binding protein kinase beta	-0.82767	Inlier
siRNA Disorazole DMSO Run3	NM_006035	B	CDC42BP (DMPK-like) CDC42 binding protein kinase beta	-0.52133	Inlier
siRNA Disorazole DMSO Run2	NM_006035	B	CDC42BP (DMPK-like) CDC42 binding protein kinase beta	-0.396562	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006035	B	CDC42BP (DMPK-like) CDC42 binding protein kinase beta	-0.118308	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006035	B	CDC42BP (DMPK-like) CDC42 binding protein kinase beta	0.118308	Inlier
siRNA Disorazole DMSO Run1	NM_006035	B	CDC42BP (DMPK-like) CDC42 binding protein kinase beta	1.175176	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

				CDC42 binding protein kinase beta	
siRNA-Vinblastine Run1-DMSO	NM_006035	CDC42BP B	(DMPK-like)	1.257595	Inlier
			CDC42 binding protein kinase beta		
siRNA-Vinblastine Run2-DMSO	NM_006035	CDC42BP B	(DMPK-like)	1.446673	Inlier
			CDC42 small effector 2		
siRNA Disorazole DMSO Run2	NM_020240	CDC42SE 2	CDC42	-1.323589	Inlier
			CDC42 small effector 2		
siRNA-Temozolomide Run3-DMSO	NM_020240	CDC42SE 2	CDC42	-0.593881	Inlier
			CDC42 small effector 2		
siRNA-Temozolomide Run1-DMSO	NM_020240	CDC42SE 2	CDC42	-0.067709	Inlier
			CDC42 small effector 2		
siRNA-Temozolomide Run2-DMSO	NM_020240	CDC42SE 2	CDC42	-0.051119	Inlier
			CDC42 small effector 2		
siRNA Disorazole DMSO Run1	NM_020240	CDC42SE 2	CDC42	0.05112	Inlier
			CDC42 small effector 2		
siRNA-Vinblastine Run2-DMSO	NM_020240	CDC42SE 2	CDC42	0.755119	Inlier
			CDC42 small effector 2		
siRNA Disorazole DMSO Run3	NM_020240	CDC42SE 2	CDC42	0.911353	Inlier
			CDC42 small effector 2		
siRNA-Vinblastine Run1-DMSO	NM_020240	CDC42SE 2		1.337019	Inlier
			CDC7 cell division cycle 7 (S. cerevisiae)		
siRNA-Temozolomide Run3-DMSO	NM_003503	CDC7		-1.424599	Inlier
			CDC7 cell division cycle 7 (S. cerevisiae)		
siRNA Disorazole DMSO Run2	NM_003503	CDC7		-1.051703	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_003503	CDC7	CDC7 cell division cycle 7 (S. cerevisiae)	-0.951767	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003503	CDC7	CDC7 cell division cycle 7 (S. cerevisiae)	-0.204618	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003503	CDC7	CDC7 cell division cycle 7 (S. cerevisiae)	0.204618	Inlier
siRNA Disorazole DMSO Run1	NM_003503	CDC7	CDC7 cell division cycle 7 (S. cerevisiae)	0.325676	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003503	CDC7	CDC7 cell division cycle 7 (S. cerevisiae)	0.486624	Inlier
siRNA Disorazole DMSO Run3	NM_003503	CDC7	CDC7 cell division cycle 7 (S. cerevisiae)	0.862376	Inlier
siRNA-Temozolomide Run1-DMSO	NM_145752	CDIPT	CDP-diacylglycerol--inositol 3-phosphatidytransferase (phosphatidylinositol synthase)	-1.510116	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1457 52	CDIPT	CDP- diacylglyce rol-- inositol 3- phosphati dyltransfer ase (phosphati dylinositol synthase)	-1.312742	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1457 52	CDIPT	CDP- diacylglyce rol-- inositol 3- phosphati dyltransfer ase (phosphati dylinositol synthase)	-0.813014	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1457 52	CDIPT	CDP- diacylglyce rol-- inositol 3- phosphati dyltransfer ase (phosphati dylinositol synthase)	-0.07328	Inlier
siRNA Disorazole DMSO Run3	NM_1457 52	CDIPT	CDP- diacylglyce rol-- inositol 3- phosphati dyltransfer ase (phosphati dylinositol synthase)	0.073279	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_1457 52	CDIPT	CDP-diacylglycerol-3-phosphatidylinositol synthase	0.12917	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1457 52	CDIPT	CDP-diacylglycerol-3-phosphatidylinositol synthase	0.535985	Inlier
siRNA Disorazole DMSO Run2	NM_1457 52	CDIPT	CDP-diacylglycerol-3-phosphatidylinositol synthase	1.081181	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0529 88	CDK10	cyclin-dependent kinase (CDC2-like) 10	-0.8048	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0529 88	CDK10	cyclin-dependent kinase (CDC2-like) 10	-0.668615	Inlier
siRNA Disorazole DMSO Run2	NM_0529 88	CDK10	cyclin-dependent kinase (CDC2-like) 10	-0.576139	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0529 88	CDK10	cyclin-dependent kinase (CDC2-like) 10	-0.515163	Inlier
siRNA Disorazole DMSO Run3	NM_0529 88	CDK10	cyclin-dependent kinase (CDC2-like) 10	0.515163	Inlier
siRNA Disorazole DMSO Run1	NM_0529 88	CDK10	cyclin-dependent kinase (CDC2-like) 10	0.680385	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0529 88	CDK10	cyclin-dependent kinase (CDC2-like) 10	1.328899	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0529 88	CDK10	cyclin-dependent kinase (CDC2-like) 10	1.803541	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0150 76	CDK11	cell division cycle 2-like 6 (CDK8-like)	-1.013023	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0150 76	CDK11	cell division cycle 2-like 6 (CDK8-like)	-0.592711	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0150 76	CDK11	cell division cycle 2-like 6 (CDK8-like)	-0.116302	Inlier
siRNA Disorazole DMSO Run3	NM_0150 76	CDK11	cell division cycle 2-like 6 (CDK8-like)	-0.051119	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Gene ID	Gene Name	Value	Outlier
siRNA Disorazole DMSO Run1	NM_0150	76	CDK11	0.051119	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0150	76	CDK11	0.756289	Inlier
siRNA Disorazole DMSO Run2	NM_0150	76	CDK11	0.894011	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0150	76	CDK11	1.674297	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0528	27	CDK2	-0.834087	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0528	27	CDK2	-0.685091	Inlier
siRNA Disorazole DMSO Run1	NM_0528	27	CDK2	-0.149462	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0528	27	CDK2	-0.113562	Inlier
siRNA Disorazole DMSO Run3	NM_0528	27	CDK2	0.113562	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0528	27	CDK2	0.663909	Inlier
siRNA Disorazole DMSO Run2	NM_0528	27	CDK2	1.140739	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0528	27	CDK2	1.240757	Inlier
siRNA Disorazole DMSO Run2	NM_0012	58	CDK3	-2.462835	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology					
siRNA-Temozolomide Run2-DMSO	NM_0012 58	CDK3	cyclin-dependent kinase 3	-1.020069	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0012 58	CDK3	cyclin-dependent kinase 3	-0.494575	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0012 58	CDK3	cyclin-dependent kinase 3	-0.414823	Inlier
siRNA Disorazole DMSO Run3	NM_0012 58	CDK3	cyclin-dependent kinase 3	0.414823	Inlier
siRNA Disorazole DMSO Run1	NM_0012 58	CDK3	cyclin-dependent kinase 3	0.441719	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0012 58	CDK3	cyclin-dependent kinase 3	0.854425	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0012 58	CDK3	cyclin-dependent kinase 3	1.044989	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0000 75	CDK4	cyclin-dependent kinase 4	-1.099632	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0000 75	CDK4	cyclin-dependent kinase 4	-0.594854	Inlier
siRNA Disorazole DMSO Run3	NM_0000 75	CDK4	cyclin-dependent kinase 4	-0.469208	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0000 75	CDK4	cyclin-dependent kinase 4	-0.088044	Inlier
siRNA Disorazole DMSO Run1	NM_0000 75	CDK4	cyclin-dependent kinase 4	0.088044	Inlier
siRNA Disorazole DMSO Run2	NM_0000 75	CDK4	cyclin-dependent kinase 4	0.754146	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0000 75	CDK4	cyclin-dependent kinase 4	1.930108	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0000 75	CDK4	cyclin-dependent kinase 4	3.119376	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0049 35	CDK5	cyclin-dependent kinase 5	-1.101141	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0049 35	CDK5	cyclin-dependent kinase 5	-0.891705	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0049 35	CDK5	cyclin-dependent kinase 5	-0.457295	Inlier
siRNA Disorazole DMSO Run1	NM_0049 35	CDK5	cyclin-dependent kinase 5	-0.083281	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0049 35	CDK5	cyclin-dependent kinase 5	0.083281	Inlier
siRNA Disorazole DMSO Run2	NM_0049 35	CDK5	cyclin-dependent kinase 5	0.362811	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0049 35	CDK5	cyclin-dependent kinase 5	0.965365	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0049 35	CDK5	cyclin-dependent kinase 5	1.305622	Inlier
siRNA Disorazole DMSO Run3	NM_0038 85	CDK5R1	cyclin-dependent kinase 5, regulatory subunit 1 (p35)	-1.405351	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0038 85	CDK5R1	cyclin-dependent kinase 5, regulatory subunit 1 (p35)	-0.537811	Inlier
siRNA Disorazole DMSO Run1	NM_0038 85	CDK5R1	cyclin-dependent kinase 5, regulatory subunit 1 (p35)	-0.354304	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0038 85	CDK5R1	cyclin-dependent kinase 5, regulatory subunit 1 (p35)	-0.277523	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0038 85	CDK5R1	cyclin-dependent kinase 5, regulatory subunit 1 (p35)	0.277523	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0038 85	CDK5R1	cyclin-dependent kinase 5, regulatory subunit 1 (p35)	0.811189	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0038 85	CDK5R1	cyclin-dependent kinase 5, regulatory subunit 1 (p35)	0.81254	Inlier
siRNA Disorazole DMSO Run2	NM_0038 85	CDK5R1	cyclin-dependent kinase 5, regulatory subunit 1 (p35)	0.989435	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0039 36	CDK5R2	cyclin-dependent kinase 5, regulatory subunit 2 (p39)	-1.797205	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0039 36	CDK5R2	cyclin-dependent kinase 5, regulatory subunit 2 (p39)	-1.077721	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0039 36	CDK5R2	cyclin-dependent kinase 5, regulatory subunit 2 (p39)	-0.263354	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0039 36	CDK5R2	cyclin- dependent kinase 5, regulatory subunit 2 (p39)	-0.041485	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0039 36	CDK5R2	cyclin- dependent kinase 5, regulatory subunit 2 (p39)	0.041485	Inlier
siRNA Disorazole DMSO Run1	NM_0039 36	CDK5R2	cyclin- dependent kinase 5, regulatory subunit 2 (p39)	0.271279	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0039 36	CDK5R2	cyclin- dependent kinase 5, regulatory subunit 2 (p39)	4.340446	Outlier
siRNA Disorazole DMSO Run2	NM_0039 36	CDK5R2	cyclin- dependent kinase 5, regulatory subunit 2 (p39)	5.494899	Outlier
siRNA Disorazole DMSO Run2	NM_0012 59	CDK6	cyclin- dependent kinase 6	-0.888661	Inlier
siRNA Disorazole DMSO Run3	NM_0012 59	CDK6	cyclin- dependent kinase 6	-0.587434	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0012 59	CDK6	cyclin- dependent kinase 6	-0.476238	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0012 59	CDK6	cyclin- dependent kinase 6	-0.12857	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0012 59	CDK6	cyclin- dependent kinase 6	0.12857	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0012 59	CDK6	cyclin-dependent kinase 6	0.761566	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0012 59	CDK6	cyclin-dependent kinase 6	0.899453	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0012 59	CDK6	cyclin-dependent kinase 6	1.153744	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0017 99	CDK7	cyclin-dependent kinase 7 (MO15 homolog, Xenopus laevis, cdk-activating kinase)	-0.707141	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0017 99	CDK7	cyclin-dependent kinase 7 (MO15 homolog, Xenopus laevis, cdk-activating kinase)	-0.641859	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0017 99	CDK7	cyclin-dependent kinase 7 (MO15 homolog, Xenopus laevis, cdk-activating kinase)	-0.423321	Inlier
siRNA Disorazole DMSO Run3	NM_0017 99	CDK7	cyclin-dependent kinase 7 (MO15 homolog, Xenopus laevis, cdk-activating kinase)	-0.223898	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0017 99	CDK7	cyclin-dependent kinase 7 (MO15 homolog, Xenopus laevis, cdk-activating kinase)	0.223898	Inlier
siRNA Disorazole DMSO Run2	NM_0017 99	CDK7	cyclin-dependent kinase 7 (MO15 homolog, Xenopus laevis, cdk-activating kinase)	1.871625	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0017 99	CDK7	cyclin-dependent kinase 7 (MO15 homolog, Xenopus laevis, cdk-activating kinase)	2.975674	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0017 99	CDK7	cyclin-dependent kinase 7 (MO15 homolog, Xenopus laevis, cdk-activating kinase)	3.133218	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0012 60	CDK8	cyclin-dependent kinase 8	-1.280824	Inlier
siRNA Disorazole DMSO Run2	NM_0012 60	CDK8	cyclin-dependent kinase 8	-1.058758	Inlier
siRNA Disorazole DMSO Run3	NM_0012 60	CDK8	cyclin-dependent kinase 8	-0.550821	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0012 60	CDK8	cyclin-dependent kinase 8	-0.047509	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0012 60	CDK8	cyclin-dependent kinase 8	0.047508	Inlier
siRNA Disorazole DMSO Run1	NM_0012 60	CDK8	cyclin-dependent kinase 8	0.444653	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0012 60	CDK8	cyclin-dependent kinase 8	0.798179	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0012 60	CDK8	cyclin-dependent kinase 8	1.067604	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0012 61	CDK9	cyclin-dependent kinase 9 (CDC2-related kinase)	-0.923353	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0012 61	CDK9	cyclin-dependent kinase 9 (CDC2-related kinase)	-0.425647	Inlier
siRNA Disorazole DMSO Run3	NM_0012 61	CDK9	cyclin-dependent kinase 9 (CDC2-related kinase)	-0.138762	Inlier
siRNA Disorazole DMSO Run2	NM_0012 61	CDK9	cyclin-dependent kinase 9 (CDC2-related kinase)	-0.056384	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0012 61	CDK9	cyclin-dependent kinase 9 (CDC2-related kinase)	0.056384	Inlier
siRNA Disorazole DMSO Run1	NM_0012 61	CDK9	cyclin-dependent kinase 9 (CDC2-related kinase)	5.571088	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_001261	CDK9	cyclin-dependent kinase 9 (CDC2-related kinase)	8.088376	Outlier
siRNA-Vinblastine Run2-DMSO	NM_001261	CDK9	cyclin-dependent kinase 9 (CDC2-related kinase)	8.338943	Outlier
siRNA-Temozolomide Run1-DMSO	NM_004196	CDKL1	cyclin-dependent kinase-like 1 (CDC2-related kinase)	-3.289145	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004196	CDKL1	cyclin-dependent kinase-like 1 (CDC2-related kinase)	-2.817943	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004196	CDKL1	cyclin-dependent kinase-like 1 (CDC2-related kinase)	-0.227637	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004196	CDKL1	cyclin-dependent kinase-like 1 (CDC2-related kinase)	-0.048508	Inlier
siRNA Disorazole DMSO Run3	NM_004196	CDKL1	cyclin-dependent kinase-like 1 (CDC2-related kinase)	0.048508	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0041 96	CDKL1	cyclin-dependent kinase-like 1 (CDC2-related kinase)	0.553302	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0041 96	CDKL1	cyclin-dependent kinase-like 1 (CDC2-related kinase)	0.795698	Inlier
siRNA Disorazole DMSO Run1	NM_0041 96	CDKL1	cyclin-dependent kinase-like 1 (CDC2-related kinase)	3.39496	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0039 48	CDKL2	cyclin-dependent kinase-like 2 (CDC2-related kinase)	-1.115585	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0039 48	CDKL2	cyclin-dependent kinase-like 2 (CDC2-related kinase)	-0.731606	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0039 48	CDKL2	cyclin-dependent kinase-like 2 (CDC2-related kinase)	-0.693385	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0039 48	CDKL2	cyclin-dependent kinase-like 2 (CDC2-related kinase)	-0.046005	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0039 48	CDKL2	cyclin-dependent kinase-like 2 (CDC2-related kinase)	0.046004	Inlier
siRNA Disorazole DMSO Run1	NM_0039 48	CDKL2	cyclin-dependent kinase-like 2 (CDC2-related kinase)	0.503578	Inlier
siRNA Disorazole DMSO Run2	NM_0039 48	CDKL2	cyclin-dependent kinase-like 2 (CDC2-related kinase)	0.655615	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0039 48	CDKL2	cyclin-dependent kinase-like 2 (CDC2-related kinase)	0.919537	Inlier
siRNA Disorazole DMSO Run2	NM_0165 08	CDKL3	cyclin-dependent kinase-like 3	-0.973305	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0165 08	CDKL3	cyclin-dependent kinase-like 3	-0.957671	Inlier
siRNA Disorazole DMSO Run3	NM_0165 08	CDKL3	cyclin-dependent kinase-like 3	-0.787189	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0165 08	CDKL3	cyclin-dependent kinase-like 3	-0.0983	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0165 08	CDKL3	cyclin-dependent kinase-like 3	0.0983	Inlier
siRNA Disorazole DMSO Run1	NM_0165 08	CDKL3	cyclin-dependent kinase-like 3	0.120034	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_016508	CDKL3	3	0.660941	Inlier
siRNA-Vinblastine Run1-DMSO	NM_016508	CDKL3	3	0.688059	Inlier
siRNA Disorazole DMSO Run3	NM_003159	CDKL5	5	-7.566339	Outlier
siRNA-Temozolomide Run1-DMSO	NM_003159	CDKL5	5	-0.822507	Inlier
siRNA Disorazole DMSO Run2	NM_003159	CDKL5	5	-0.42114	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003159	CDKL5	5	-0.225648	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003159	CDKL5	5	0.225641	Inlier
siRNA Disorazole DMSO Run1	NM_003159	CDKL5	5	0.526493	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003159	CDKL5	5	1.721022	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003159	CDKL5	5	8.311311	Outlier
siRNA-Temozolomide Run2-DMSO	NM_000389	CDKN1A	kinase inhibitor 1A (p21, Cip1)	-0.772693	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000389	CDKN1A	kinase inhibitor 1A (p21, Cip1)	-0.576307	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Value	Outlier Status
siRNA Disorazole DMSO Run1	NM_000389	CDKN1A	cyclin-dependent kinase inhibitor 1A (p21, Cip1)	-0.30325	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000389	CDKN1A	cyclin-dependent kinase inhibitor 1A (p21, Cip1)	-0.183885	Inlier
siRNA Disorazole DMSO Run3	NM_000389	CDKN1A	cyclin-dependent kinase inhibitor 1A (p21, Cip1)	0.183885	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000389	CDKN1A	cyclin-dependent kinase inhibitor 1A (p21, Cip1)	1.459827	Inlier
siRNA Disorazole DMSO Run2	NM_000389	CDKN1A	cyclin-dependent kinase inhibitor 1A (p21, Cip1)	1.690524	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000389	CDKN1A	cyclin-dependent kinase inhibitor 1A (p21, Cip1)	1.930255	Inlier
siRNA Disorazole DMSO Run2	NM_004064	CDKN1B	cyclin-dependent kinase inhibitor 1B (p27, Kip1)	-3.300858	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004064	CDKN1B	cyclin-dependent kinase inhibitor 1B (p27, Kip1)	-1.549759	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log Fold Change	Outlier Status
siRNA-Temozolomide Run1-DMSO	NM_004064	CDKN1B	cyclin-dependent kinase inhibitor 1B (p27, Kip1)	-0.397818	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004064	CDKN1B	cyclin-dependent kinase inhibitor 1B (p27, Kip1)	-0.201317	Inlier
siRNA Disorazole DMSO Run3	NM_004064	CDKN1B	cyclin-dependent kinase inhibitor 1B (p27, Kip1)	0.201316	Inlier
siRNA Disorazole DMSO Run1	NM_004064	CDKN1B	cyclin-dependent kinase inhibitor 1B (p27, Kip1)	0.362082	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004064	CDKN1B	cyclin-dependent kinase inhibitor 1B (p27, Kip1)	0.951182	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004064	CDKN1B	cyclin-dependent kinase inhibitor 1B (p27, Kip1)	2.111972	Inlier
siRNA Disorazole DMSO Run2	NM_000076	CDKN1C	cyclin-dependent kinase inhibitor 1C (p57, Kip2)	-2.56208	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000076	CDKN1C	cyclin-dependent kinase inhibitor 1C (p57, Kip2)	-0.957609	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log Fold Change	Classification
siRNA-Temozolomide Run1-DMSO	NM_000076	CDKN1C	cyclin-dependent kinase inhibitor 1C (p57, Kip2)	-0.386951	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000076	CDKN1C	cyclin-dependent kinase inhibitor 1C (p57, Kip2)	-0.379643	Inlier
siRNA Disorazole DMSO Run1	NM_000076	CDKN1C	cyclin-dependent kinase inhibitor 1C (p57, Kip2)	0.379644	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000076	CDKN1C	cyclin-dependent kinase inhibitor 1C (p57, Kip2)	0.391391	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000076	CDKN1C	cyclin-dependent kinase inhibitor 1C (p57, Kip2)	1.288793	Inlier
siRNA Disorazole DMSO Run3	NM_000076	CDKN1C	cyclin-dependent kinase inhibitor 1C (p57, Kip2)	4.368223	Outlier
siRNA-Temozolomide Run1-DMSO	NM_058197	CDKN2A	inhibits cyclin-dependent kinase 2A (melanoma, p16, CDK4)	-1.240151	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Description	Log Fold Change	Outlier Status
siRNA Disorazole DMSO Run2	CDKN2A	NM_058197	cyclin-dependent kinase inhibitor 2A (melanoma, p16, inhibits CDK4)	-0.291708	Inlier
siRNA-Temozolomide Run3-DMSO	CDKN2A	NM_058197	cyclin-dependent kinase inhibitor 2A (melanoma, p16, inhibits CDK4)	-0.198021	Inlier
siRNA Disorazole DMSO Run1	CDKN2A	NM_058197	cyclin-dependent kinase inhibitor 2A (melanoma, p16, inhibits CDK4)	-0.148922	Inlier
siRNA-Temozolomide Run2-DMSO	CDKN2A	NM_058197	cyclin-dependent kinase inhibitor 2A (melanoma, p16, inhibits CDK4)	0.148924	Inlier
siRNA-Vinblastine Run1-DMSO	CDKN2A	NM_058197	cyclin-dependent kinase inhibitor 2A (melanoma, p16, inhibits CDK4)	1.057292	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0581 97	CDKN2A	cyclin-dependent kinase inhibitor 2A (melanoma, p16, inhibits CDK4)	2.547295	Inlier
siRNA Disorazole DMSO Run3	NM_0581 97	CDKN2A	cyclin-dependent kinase inhibitor 2A (melanoma, p16, inhibits CDK4)	8.622487	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0049 36	CDKN2B	cyclin-dependent kinase inhibitor 2B (p15, inhibits CDK4)	-0.848139	Inlier
siRNA Disorazole DMSO Run2	NM_0049 36	CDKN2B	cyclin-dependent kinase inhibitor 2B (p15, inhibits CDK4)	-0.769602	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0049 36	CDKN2B	cyclin-dependent kinase inhibitor 2B (p15, inhibits CDK4)	-0.566072	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0049 36	CDKN2B	cyclin-dependent kinase inhibitor 2B (p15, inhibits CDK4)	-0.358873	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Description	Value	Outlier Status
siRNA Disorazole DMSO Run3	CDKN2B	NM_0049 36	cyclin-dependent kinase inhibitor 2B (p15, inhibits CDK4)	0.358873	Inlier
siRNA Disorazole DMSO Run1	CDKN2B	NM_0049 36	cyclin-dependent kinase inhibitor 2B (p15, inhibits CDK4)	0.579398	Inlier
siRNA-Vinblastine Run1-DMSO	CDKN2B	NM_0049 36	cyclin-dependent kinase inhibitor 2B (p15, inhibits CDK4)	1.218327	Inlier
siRNA-Vinblastine Run2-DMSO	CDKN2B	NM_0049 36	cyclin-dependent kinase inhibitor 2B (p15, inhibits CDK4)	1.717955	Inlier
siRNA Disorazole DMSO Run2	CDKN2C	NM_0012 62	cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4)	-0.737318	Inlier
siRNA-Temozolomide Run3-DMSO	CDKN2C	NM_0012 62	cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4)	-0.611682	Inlier
siRNA-Temozolomide Run1-DMSO	CDKN2C	NM_0012 62	cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4)	-0.388401	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Function	Value	Category
siRNA-Temozolomide Run2-DMSO	NM_001262	CDKN2C	cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4)	-0.111127	Inlier
siRNA Disorazole DMSO Run1	NM_001262	CDKN2C	cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4)	0.111127	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001262	CDKN2C	cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4)	0.761868	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001262	CDKN2C	cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4)	0.842537	Inlier
siRNA Disorazole DMSO Run3	NM_001262	CDKN2C	cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4)	1.501453	Inlier
siRNA Disorazole DMSO Run2	NM_001800	CDKN2D	cyclin-dependent kinase inhibitor 2D (p19, inhibits CDK4)	-1.460953	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001800	CDKN2D	cyclin-dependent kinase inhibitor 2D (p19, inhibits CDK4)	-0.930618	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_001800	CDKN2D	cyclin-dependent kinase inhibitor 2D (p19, inhibits CDK4)	-0.102383	Inlier
siRNA Disorazole DMSO Run3	NM_001800	CDKN2D	cyclin-dependent kinase inhibitor 2D (p19, inhibits CDK4)	-0.056114	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001800	CDKN2D	cyclin-dependent kinase inhibitor 2D (p19, inhibits CDK4)	0.056114	Inlier
siRNA Disorazole DMSO Run1	NM_001800	CDKN2D	cyclin-dependent kinase inhibitor 2D (p19, inhibits CDK4)	0.642661	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001800	CDKN2D	cyclin-dependent kinase inhibitor 2D (p19, inhibits CDK4)	0.706339	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001800	CDKN2D	cyclin-dependent kinase inhibitor 2D (p19, inhibits CDK4)	0.9943	Inlier
siRNA Disorazole DMSO Run2	NM_005192	CDKN3	cyclin-dependent kinase inhibitor 3 (CDK2-associated dual specificity phosphatase)	-1.016302	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_005192	CDKN3	cyclin-dependent kinase inhibitor 3 (CDK2-associated dual specificity phosphatase)	-0.744134	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005192	CDKN3	cyclin-dependent kinase inhibitor 3 (CDK2-associated dual specificity phosphatase)	-0.475919	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005192	CDKN3	cyclin-dependent kinase inhibitor 3 (CDK2-associated dual specificity phosphatase)	-0.184589	Inlier
siRNA Disorazole DMSO Run1	NM_005192	CDKN3	cyclin-dependent kinase inhibitor 3 (CDK2-associated dual specificity phosphatase)	0.184589	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005192	CDKN3	cyclin-dependent kinase inhibitor 3 (CDK2-associated dual specificity phosphatase)	0.610902	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Score	Outlier Status
siRNA-Vinblastine Run1-DMSO	NM_005192	CDKN3	cyclin-dependent kinase inhibitor 3 (CDK2-associated dual specificity phosphatase)	0.738098	Inlier
siRNA Disorazole DMSO Run3	NM_005192	CDKN3	cyclin-dependent kinase inhibitor 3 (CDK2-associated dual specificity phosphatase)	2.470624	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001801	CDO1	cysteine dioxygenase, type I	-0.723849	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001801	CDO1	cysteine dioxygenase, type I	-0.711204	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001801	CDO1	cysteine dioxygenase, type I	-0.367893	Inlier
siRNA Disorazole DMSO Run3	NM_001801	CDO1	cysteine dioxygenase, type I	-0.22284	Inlier
siRNA Disorazole DMSO Run1	NM_001801	CDO1	cysteine dioxygenase, type I	0.22284	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001801	CDO1	cysteine dioxygenase, type I	0.637796	Inlier
siRNA Disorazole DMSO Run2	NM_001801	CDO1	cysteine dioxygenase, type I	1.807197	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001801	CDO1	cysteine dioxygenase, type I	2.860346	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Log Fold Change	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_001263	CDS1	-0.753245	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001263	CDS1	-0.711459	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001263	CDS1	-0.551783	Inlier
siRNA Disorazole DMSO Run1	NM_001263	CDS1	-0.339859	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001263	CDS1	0.339859	Inlier

CDP-
diacylglyce
rol
synthase
(phosphati
date
cytidyltra
nsferase)

CDP-
diacylglyce
rol
synthase
(phosphati
date
cytidyltra
nsferase)

CDP-
diacylglyce
rol
synthase
(phosphati
date
cytidyltra
nsferase)

CDP-
diacylglyce
rol
synthase
(phosphati
date
cytidyltra
nsferase)

CDP-
diacylglyce
rol
synthase
(phosphati
date
cytidyltra
nsferase)

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0012 63	CDS1	1	0.637541	Inlier
siRNA Disorazole DMSO Run2	NM_0012 63	CDS1	1	0.99321	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0012 63	CDS1	1	1.157	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0038 18	CDS2	2	-0.821961	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0038 18	CDS2	2	-0.527039	Inlier

CDP-
diacylglyce
rol
synthase
(phosphati
date
cytidyltra
nsferase)

CDP-
diacylglyce
rol
synthase
(phosphati
date
cytidyltra
nsferase)

CDP-
diacylglyce
rol
synthase
(phosphati
date
cytidyltra
nsferase)

CDP-
diacylglyce
rol
synthase
(phosphati
date
cytidyltra
nsferase)

CDP-
diacylglyce
rol
synthase
(phosphati
date
cytidyltra
nsferase)

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Run	Condition	Gene	Value	Outlier
siRNA Disorazole DMSO Run1	NM_0038	18	CDS2	CDP-diacylglycerol synthase (phosphate cytidylyltransferase)	2	-0.439458 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0038	18	CDS2	CDP-diacylglycerol synthase (phosphate cytidylyltransferase)	2	-0.131179 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0038	18	CDS2	CDP-diacylglycerol synthase (phosphate cytidylyltransferase)	2	0.131179 Inlier
siRNA Disorazole DMSO Run3	NM_0038	18	CDS2	CDP-diacylglycerol synthase (phosphate cytidylyltransferase)	2	0.954611 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0038	18	CDS2	CDP-diacylglycerol synthase (phosphate cytidylyltransferase)	2	1.142941 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Symbol	Gene Description	Log Fold Change	Outlier Status
siRNA Disorazole DMSO Run2	NM_0038	18	CDS2	CDP-diacylglycerol synthase (phosphatidate cytidyltransferase)	1.456483	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1707	23	CDY1	chromodomain protein, Y-linked, 1	-1.70592	Inlier
siRNA Disorazole DMSO Run1	NM_1707	23	CDY1	chromodomain protein, Y-linked, 1	-0.759702	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1707	23	CDY1	chromodomain protein, Y-linked, 1	-0.57377	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1707	23	CDY1	chromodomain protein, Y-linked, 1	-0.139914	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1707	23	CDY1	chromodomain protein, Y-linked, 1	0.139914	Inlier
siRNA Disorazole DMSO Run3	NM_1707	23	CDY1	chromodomain protein, Y-linked, 1	0.589298	Inlier
siRNA Disorazole DMSO Run2	NM_1707	23	CDY1	chromodomain protein, Y-linked, 1	1.835064	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1707	23	CDY1	chromodomain protein, Y-linked, 1	2.023966	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0048	25	CDY2	chromodomain protein, Y-linked, 2	-1.818779	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0048	25	CDY2	chromodomain protein, Y-linked, 2	-0.823223	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0048 25	CDY2	chromodo main protein, Y- linked, 2	-0.525777	Inlier
siRNA Disorazole DMSO Run1	NM_0048 25	CDY2	chromodo main protein, Y- linked, 2	-0.262223	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0048 25	CDY2	chromodo main protein, Y- linked, 2	0.262223	Inlier
siRNA Disorazole DMSO Run3	NM_0048 25	CDY2	chromodo main protein, Y- linked, 2	0.438293	Inlier
siRNA Disorazole DMSO Run2	NM_0048 25	CDY2	chromodo main protein, Y- linked, 2	0.985455	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0048 25	CDY2	chromodo main protein, Y- linked, 2	2.653364	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1707 52	CDYL	chromodo main protein, Y- like	-0.948434	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1707 52	CDYL	chromodo main protein, Y- like	-0.833856	Inlier
siRNA Disorazole DMSO Run1	NM_1707 52	CDYL	chromodo main protein, Y- like	-0.221796	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1707 52	CDYL	chromodo main protein, Y- like	-0.16341	Inlier
siRNA Disorazole DMSO Run3	NM_1707 52	CDYL	chromodo main protein, Y- like	0.163409	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1707 52	CDYL	chromodo main protein, Y- like	0.515144	Inlier
siRNA Disorazole DMSO Run2	NM_1707 52	CDYL	chromodo main protein, Y- like	0.988363	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_1707 52	CDYL	chromodo main protein, Y- like	1.280171	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1523 42	CDYL2	chromodo main protein, Y- like 2	-0.989457	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1523 42	CDYL2	chromodo main protein, Y- like 2	-0.688882	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1523 42	CDYL2	chromodo main protein, Y- like 2	-0.660118	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1523 42	CDYL2	chromodo main protein, Y- like 2	-0.368002	Inlier
siRNA Disorazole DMSO Run2	NM_1523 42	CDYL2	chromodo main protein, Y- like 2	0.368002	Inlier
siRNA Disorazole DMSO Run1	NM_1523 42	CDYL2	chromodo main protein, Y- like 2	0.389599	Inlier
siRNA Disorazole DMSO Run3	NM_1523 42	CDYL2	chromodo main protein, Y- like 2	1.089717	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1523 42	CDYL2	chromodo main protein, Y- like 2	1.559701	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 24912	CEACAM1	carcinoem bryonic antigen- related cell adhesion molecule 1 (biliary glycoprotei n)	-2.582891	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0010 24912	CEACAM1	carcinoem bryonic antigen- related cell adhesion molecule 1 (biliary glycoprotei n)	-2.393724	Inlier
siRNA Disorazole DMSO Run3	NM_0010 24912	CEACAM1	carcinoem bryonic antigen- related cell adhesion molecule 1 (biliary glycoprotei n)	-0.77515	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 24912	CEACAM1	carcinoem bryonic antigen- related cell adhesion molecule 1 (biliary glycoprotei n)	-0.427231	Inlier
siRNA Disorazole DMSO Run2	NM_0010 24912	CEACAM1	carcinoem bryonic antigen- related cell adhesion molecule 1 (biliary glycoprotei n)	0.427231	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 24912	CEACAM1	carcinoem bryonic antigen- related cell adhesion molecule 1 (biliary glycoprotei n)	0.486092	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_001024912	CEACAM1	carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein)	0.57385	Inlier
siRNA Disorazole DMSO Run1	NM_001024912	CEACAM1	carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein)	0.820858	Inlier
siRNA-Temozolomide Run3-DMSO	NM_177405	CECR1	cat eye syndrome chromosome region, candidate 1	-1.08151	Inlier
siRNA-Temozolomide Run2-DMSO	NM_177405	CECR1	cat eye syndrome chromosome region, candidate 1	-0.584643	Inlier
siRNA Disorazole DMSO Run1	NM_177405	CECR1	cat eye syndrome chromosome region, candidate 1	-0.157662	Inlier
siRNA-Vinblastine Run2-DMSO	NM_177405	CECR1	cat eye syndrome chromosome region, candidate 1	-0.002432	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_1774 05	CECR1	cat eye syndrome chromoso me region, candidate 1	0.002432	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1774 05	CECR1	cat eye syndrome chromoso me region, candidate 1	0.764357	Inlier
siRNA Disorazole DMSO Run2	NM_1774 05	CECR1	cat eye syndrome chromoso me region, candidate 1	1.475691	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1774 05	CECR1	cat eye syndrome chromoso me region, candidate 1	1.586742	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0018 07	CEL	carboxyl ester lipase (bile salt- stimulated lipase) carboxyl ester lipase (bile salt- stimulated lipase)	-0.810865	Inlier
siRNA Disorazole DMSO Run3	NM_0018 07	CEL	carboxyl ester lipase (bile salt- stimulated lipase) carboxyl ester lipase (bile salt- stimulated lipase)	-0.774896	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0018 07	CEL	carboxyl ester lipase (bile salt- stimulated lipase) carboxyl ester lipase (bile salt- stimulated lipase)	-0.271664	Inlier
siRNA Disorazole DMSO Run1	NM_0018 07	CEL	carboxyl ester lipase (bile salt- stimulated lipase)	-0.028092	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_001807	CEL	carboxyl ester lipase (bile salt-stimulated lipase)	0.028092	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001807	CEL	carboxyl ester lipase (bile salt-stimulated lipase)	0.574104	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001807	CEL	carboxyl ester lipase (bile salt-stimulated lipase)	1.217676	Inlier
siRNA Disorazole DMSO Run2	NM_001807	CEL	carboxyl ester lipase (bile salt-stimulated lipase)	1.328376	Inlier
siRNA Disorazole DMSO Run2	NM_014246	CELSR1	cadherin, EGF LAG seven-pass G-type receptor 1 (flamingo homolog, Drosophila)	-1.961132	Inlier
siRNA-Temozolomide Run3-DMSO	NM_014246	CELSR1	cadherin, EGF LAG seven-pass G-type receptor 1 (flamingo homolog, Drosophila)	-1.554003	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0142 46	CELSR1	cadherin, EGF LAG seven- pass G- type receptor 1 (flamingo homolog, Drosophila)	-1.370924	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0142 46	CELSR1	cadherin, EGF LAG seven- pass G- type receptor 1 (flamingo homolog, Drosophila)	-0.286049	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0142 46	CELSR1	cadherin, EGF LAG seven- pass G- type receptor 1 (flamingo homolog, Drosophila)	0.286049	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0142 46	CELSR1	cadherin, EGF LAG seven- pass G- type receptor 1 (flamingo homolog, Drosophila)	0.334826	Inlier
siRNA Disorazole DMSO Run3	NM_0142 46	CELSR1	cadherin, EGF LAG seven- pass G- type receptor 1 (flamingo homolog, Drosophila)	0.577376	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_014246	CELSR1	cadherin, EGF LAG seven-pass G-type receptor 1 (flamingo homolog, Drosophila)	0.771624	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001408	CELSR2	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	-0.727955	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001408	CELSR2	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	-0.621045	Inlier
siRNA Disorazole DMSO Run3	NM_001408	CELSR2	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	-0.573874	Inlier
siRNA Disorazole DMSO Run2	NM_001408	CELSR2	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	-0.061261	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_001408	CELSR2	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	0.061261	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001408	CELSR2	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	0.944302	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001408	CELSR2	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	1.037185	Inlier
siRNA Disorazole DMSO Run1	NM_001408	CELSR2	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	1.872975	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001407	CELSR3	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	-1.790024	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_001407	CELSR3	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	-0.706249	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001407	CELSR3	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	-0.642751	Inlier
siRNA Disorazole DMSO Run2	NM_001407	CELSR3	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	-0.268938	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001407	CELSR3	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	0.268938	Inlier
siRNA Disorazole DMSO Run3	NM_001407	CELSR3	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	0.491655	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_001407	CELSR3	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	0.853974	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001407	CELSR3	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	0.91409	Inlier
siRNA-Temozolomide Run3-DMSO	NM_015230	CENTD1	centaurin, delta 1	-1.546455	Inlier
siRNA-Temozolomide Run1-DMSO	NM_015230	CENTD1	centaurin, delta 1	-0.678997	Inlier
siRNA-Temozolomide Run2-DMSO	NM_015230	CENTD1	centaurin, delta 1	-0.416504	Inlier
siRNA Disorazole DMSO Run3	NM_015230	CENTD1	centaurin, delta 1	-0.346384	Inlier
siRNA-Vinblastine Run2-DMSO	NM_015230	CENTD1	centaurin, delta 1	0.346384	Inlier
siRNA Disorazole DMSO Run2	NM_015230	CENTD1	centaurin, delta 1	0.670003	Inlier
siRNA Disorazole DMSO Run1	NM_015230	CENTD1	centaurin, delta 1	0.766822	Inlier
siRNA-Vinblastine Run1-DMSO	NM_015230	CENTD1	centaurin, delta 1	0.947503	Inlier
siRNA-Temozolomide Run3-DMSO	NM_139181	CENTD2	centaurin, delta 2	-1.648045	Inlier
siRNA-Temozolomide Run1-DMSO	NM_139181	CENTD2	centaurin, delta 2	-0.951278	Inlier
siRNA-Temozolomide Run2-DMSO	NM_139181	CENTD2	centaurin, delta 2	-0.905278	Inlier
siRNA Disorazole DMSO Run3	NM_139181	CENTD2	centaurin, delta 2	-0.019908	Inlier
siRNA-Vinblastine Run2-DMSO	NM_139181	CENTD2	centaurin, delta 2	0.019908	Inlier
siRNA Disorazole DMSO Run1	NM_139181	CENTD2	centaurin, delta 2	0.183817	Inlier
siRNA Disorazole DMSO Run2	NM_139181	CENTD2	centaurin, delta 2	0.594628	Inlier
siRNA-Vinblastine Run1-DMSO	NM_139181	CENTD2	centaurin, delta 2	0.754372	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0010 07794	CEPT1	choline/ethanolamine phosphotransferase 1	-1.137128	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 07794	CEPT1	choline/ethanolamine phosphotransferase 1	-0.211872	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 07794	CEPT1	choline/ethanolamine phosphotransferase 1	-0.071626	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 07794	CEPT1	choline/ethanolamine phosphotransferase 1	-0.034567	Inlier
siRNA Disorazole DMSO Run1	NM_0010 07794	CEPT1	choline/ethanolamine phosphotransferase 1	0.034567	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 07794	CEPT1	choline/ethanolamine phosphotransferase 1	2.153089	Inlier
siRNA Disorazole DMSO Run2	NM_0010 07794	CEPT1	choline/ethanolamine phosphotransferase 1	2.850135	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 07794	CEPT1	choline/ethanolamine phosphotransferase 1	3.467157	Inlier
siRNA Disorazole DMSO Run2	NM_0227 66	CERK	ceramide kinase	-1.53166	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0227 66	CERK	ceramide kinase	-1.407238	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Temozolomide Run1-DMSO	NM_0227 66	CERK	ceramide kinase	-0.497577	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0227 66	CERK	ceramide kinase	-0.134851	Inlier
siRNA Disorazole DMSO Run1	NM_0227 66	CERK	ceramide kinase	0.134851	Inlier
siRNA Disorazole DMSO Run3	NM_0227 66	CERK	ceramide kinase	0.614235	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0227 66	CERK	ceramide kinase	0.734765	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0227 66	CERK	ceramide kinase	1.21481	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0012 66	CES1	carboxyles terase 1 (monocyte /macrophage serine esterase 1)	-2.396585	Inlier
siRNA Disorazole DMSO Run3	NM_0012 66	CES1	carboxyles terase 1 (monocyte /macrophage serine esterase 1)	-1.740854	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0012 66	CES1	carboxyles terase 1 (monocyte /macrophage serine esterase 1)	-0.54525	Inlier
siRNA Disorazole DMSO Run1	NM_0012 66	CES1	carboxyles terase 1 (monocyte /macrophage serine esterase 1)	-0.084964	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0012 66	CES1	carboxyles terase 1 (monocyte /macrophage serine esterase 1)	0.084964	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_001266	CES1	carboxyles terase 1 (monocyte /macropha ge serine esterase 1)	0.134611	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001266	CES1	carboxyles terase 1 (monocyte /macropha ge serine esterase 1)	0.80375	Inlier
siRNA Disorazole DMSO Run2	NM_001266	CES1	carboxyles terase 1 (monocyte /macropha ge serine esterase 1)	1.78772	Inlier
siRNA Disorazole DMSO Run1	NM_198061	CES2	carboxyles terase 2 (intestine, liver)	-1.290658	Inlier
siRNA-Vinblastine Run1-DMSO	NM_198061	CES2	carboxyles terase 2 (intestine, liver)	-0.821401	Inlier
siRNA-Vinblastine Run2-DMSO	NM_198061	CES2	carboxyles terase 2 (intestine, liver)	-0.735429	Inlier
siRNA Disorazole DMSO Run3	NM_198061	CES2	carboxyles terase 2 (intestine, liver)	-0.441131	Inlier
siRNA-Temozolomide Run3-DMSO	NM_198061	CES2	carboxyles terase 2 (intestine, liver)	0.44113	Inlier
siRNA-Temozolomide Run2-DMSO	NM_198061	CES2	carboxyles terase 2 (intestine, liver)	0.609626	Inlier
siRNA-Temozolomide Run1-DMSO	NM_198061	CES2	carboxyles terase 2 (intestine, liver)	0.613571	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_1980 61	CES2	carboxyles terase 2 (intestine, liver)	1.41765	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0162 80	CES4	carboxyles terase 4- like	-5.143753	Outlier
siRNA-Temozolomide Run2- DMSO	NM_0162 80	CES4	carboxyles terase 4- like	-0.463626	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0162 80	CES4	carboxyles terase 4- like	-0.09893	Inlier
siRNA Disorazole DMSO Run3	NM_0162 80	CES4	carboxyles terase 4- like	-0.047406	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0162 80	CES4	carboxyles terase 4- like	0.047406	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0162 80	CES4	carboxyles terase 4- like	0.885374	Inlier
siRNA Disorazole DMSO Run2	NM_0162 80	CES4	carboxyles terase 4- like	1.281344	Inlier
siRNA Disorazole DMSO Run1	NM_0162 80	CES4	carboxyles terase 4- like	1.313221	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0144 06	CESK1	CESK1	-0.948507	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0144 06	CESK1	CESK1	-0.933481	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0144 06	CESK1	CESK1	-0.886177	Inlier
siRNA Disorazole DMSO Run3	NM_0144 06	CESK1	CESK1	-0.261919	Inlier
siRNA Disorazole DMSO Run2	NM_0144 06	CESK1	CESK1	0.261919	Inlier
siRNA Disorazole DMSO Run1	NM_0144 06	CESK1	CESK1	0.340685	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0144 06	CESK1	CESK1	0.462823	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0144 06	CESK1	CESK1 cholesteryl ester transfer protein, plasma	1.153631	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0000 78	CETP		-1.713163	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_000078	CETP	cholesteryl ester transfer protein, plasma cholesteryl ester transfer protein, plasma cholesteryl ester transfer protein, plasma cholesteryl ester transfer protein,	-1.000217	Inlier
siRNA Disorazole DMSO Run1	NM_000078	CETP	cholesteryl ester transfer protein, plasma cholesteryl ester transfer protein,	-0.348783	Inlier
siRNA Disorazole DMSO Run3	NM_000078	CETP	cholesteryl ester transfer protein, plasma cholesteryl ester transfer protein,	-0.017582	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000078	CETP	cholesteryl ester transfer protein, plasma cholesteryl ester transfer protein,	0.017582	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000078	CETP	cholesteryl ester transfer protein, plasma cholesteryl ester transfer protein,	0.292507	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000078	CETP	cholesteryl ester transfer protein, plasma cholesteryl ester transfer protein,	1.290383	Inlier
siRNA Disorazole DMSO Run2	NM_000078	CETP	cholesteryl ester transfer protein, plasma CASP8 and FADD-like	1.379404	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003879	CFLAR	apoptosis regulator CASP8 and FADD-like	-1.331489	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003879	CFLAR	apoptosis regulator CASP8 and FADD-like	-0.938534	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003879	CFLAR	apoptosis regulator	-0.410466	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0038 79	CFLAR	CASP8 and FADD- like apoptosis regulator	-0.215586	Inlier
siRNA Disorazole DMSO Run1	NM_0038 79	CFLAR	CASP8 and FADD- like apoptosis regulator	0.215587	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0038 79	CFLAR	CASP8 and FADD- like apoptosis regulator	0.388663	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0038 79	CFLAR	CASP8 and FADD- like apoptosis regulator	2.332387	Inlier
siRNA Disorazole DMSO Run3	NM_0038 79	CFLAR	CASP8 and FADD- like apoptosis regulator cystic fibrosis transmem brane conductan ce regulator, ATP- binding cassette (sub- family C, member 7)	4.824364	Outlier
siRNA-Temozolomide Run3- DMSO	NM_0004 92	CFTR		-1.072773	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

				cystic fibrosis transmem brane conductan ce regulator, ATP- binding cassette (sub- family C, member 7)	
siRNA Disorazole DMSO Run2	NM_0004 92	CFTR			-0.90174 Inlier
				cystic fibrosis transmem brane conductan ce regulator, ATP- binding cassette (sub- family C, member 7)	
siRNA Disorazole DMSO Run3	NM_0004 92	CFTR			-0.653126 Inlier
				cystic fibrosis transmem brane conductan ce regulator, ATP- binding cassette (sub- family C, member 7)	
siRNA-Temozolomide Run2- DMSO	NM_0004 92	CFTR			-0.22462 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0004 92	CFTR	cystic fibrosis transmem brane conductan ce regulator, ATP- binding cassette (sub- family C, member 7)	0.22462 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0004 92	CFTR	cystic fibrosis transmem brane conductan ce regulator, ATP- binding cassette (sub- family C, member 7)	0.475621 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0004 92	CFTR	cystic fibrosis transmem brane conductan ce regulator, ATP- binding cassette (sub- family C, member 7)	0.695874 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Value	Category
siRNA-Temozolomide Run1-DMSO	NM_000492	CFTR	cystic fibrosis transmembrane conductance regulator, ATP-binding cassette (sub-family C, member 7)	0.726409	Inlier
siRNA-Temozolomide Run2-DMSO	NM_015936	CGI-04	tyrosyl-tRNA synthetase 2 (mitochondrial)	-0.693001	Inlier
siRNA Disorazole DMSO Run1	NM_015936	CGI-04	tyrosyl-tRNA synthetase 2 (mitochondrial)	-0.655999	Inlier
siRNA Disorazole DMSO Run3	NM_015936	CGI-04	tyrosyl-tRNA synthetase 2 (mitochondrial)	-0.518874	Inlier
siRNA-Vinblastine Run2-DMSO	NM_015936	CGI-04	tyrosyl-tRNA synthetase 2 (mitochondrial)	-0.403692	Inlier
siRNA-Temozolomide Run1-DMSO	NM_015936	CGI-04	tyrosyl-tRNA synthetase 2 (mitochondrial)	0.403692	Inlier
siRNA-Temozolomide Run3-DMSO	NM_015936	CGI-04	tyrosyl-tRNA synthetase 2 (mitochondrial)	1.185802	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0159 36	CGI-04	tyrosyl- tRNA synthetase 2 (mitochon drial)	3.161224	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0159 36	CGI-04	tyrosyl- tRNA synthetase 2 (mitochon drial)	4.168063	Outlier
siRNA-Temozolomide Run2- DMSO	NM_0159 44	CGI-14	CGI-14	-2.100805	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0159 44	CGI-14	CGI-14	-0.910802	Inlier
siRNA Disorazole DMSO Run1	NM_0159 44	CGI-14	CGI-14	-0.165549	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0159 44	CGI-14	CGI-14	-0.074994	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0159 44	CGI-14	CGI-14	0.074994	Inlier
siRNA Disorazole DMSO Run3	NM_0159 44	CGI-14	CGI-14	0.438198	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0159 44	CGI-14	CGI-14	2.192422	Inlier
siRNA Disorazole DMSO Run2	NM_0159 44	CGI-14	CGI-14	3.542802	Outlier
siRNA-Temozolomide Run2- DMSO	NM_0010 24732	CGI-63	mitochond rial trans-2- enoyl-CoA reductase	-1.366763	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0010 24732	CGI-63	mitochond rial trans-2- enoyl-CoA reductase	-1.092315	Inlier
siRNA Disorazole DMSO Run1	NM_0010 24732	CGI-63	mitochond rial trans-2- enoyl-CoA reductase	-0.256685	Inlier
siRNA Disorazole DMSO Run3	NM_0010 24732	CGI-63	mitochond rial trans-2- enoyl-CoA reductase	-0.113571	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0010 24732	CGI-63	mitochondrial trans-2-enoyl-CoA reductase	0.113571	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 24732	CGI-63	mitochondrial trans-2-enoyl-CoA reductase	0.238006	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 24732	CGI-63	mitochondrial trans-2-enoyl-CoA reductase	3.696314	Outlier
siRNA Disorazole DMSO Run2	NM_0010 24732	CGI-63	mitochondrial trans-2-enoyl-CoA reductase	3.795786	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0039 56	CH25H	cholesterol 25-hydroxylase	-2.540693	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0039 56	CH25H	cholesterol 25-hydroxylase	-0.606268	Inlier
siRNA Disorazole DMSO Run1	NM_0039 56	CH25H	cholesterol 25-hydroxylase	-0.346197	Inlier
siRNA Disorazole DMSO Run3	NM_0039 56	CH25H	cholesterol 25-hydroxylase	-0.049332	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0039 56	CH25H	cholesterol 25-hydroxylase	0.049332	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0039 56	CH25H	cholesterol 25-hydroxylase	0.742732	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0039 56	CH25H	cholesterol 25-hydroxylase	1.223244	Inlier
siRNA Disorazole DMSO Run2	NM_0039 56	CH25H	cholesterol 25-hydroxylase	2.915452	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0205 49	CHAT	choline acetyltrans ferase	-1.625968	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0205 49	CHAT	choline acetyltrans ferase	-1.558512	Inlier
siRNA Disorazole DMSO Run1	NM_0205 49	CHAT	choline acetyltrans ferase	-0.371253	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0205 49	CHAT	choline acetyltrans ferase	-0.230539	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0205 49	CHAT	choline acetyltrans ferase	0.23054	Inlier
siRNA Disorazole DMSO Run2	NM_0205 49	CHAT	choline acetyltrans ferase	0.6669	Inlier
siRNA Disorazole DMSO Run3	NM_0205 49	CHAT	choline acetyltrans ferase	0.6821	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0205 49	CHAT	choline acetyltrans ferase chromodo main helicase DNA binding protein 1	1.050119	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0012 70	CHD1	chromodo main helicase DNA binding protein 1	-0.720693	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0012 70	CHD1	chromodo main helicase DNA binding protein 1	-0.628307	Inlier
siRNA Disorazole DMSO Run3	NM_0012 70	CHD1	chromodo main helicase DNA binding protein 1	-0.542834	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0012 70	CHD1	chromodo main helicase DNA binding protein 1	-0.084784	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_001270	CHD1	chromodomain helicase DNA binding protein 1	0.084784	Inlier
siRNA Disorazole DMSO Run1	NM_001270	CHD1	chromodomain helicase DNA binding protein 1	0.755427	Inlier
siRNA Disorazole DMSO Run2	NM_001270	CHD1	chromodomain helicase DNA binding protein 1	2.323359	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001270	CHD1	chromodomain helicase DNA binding protein 1	2.50402	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001271	CHD2	chromodomain helicase DNA binding protein 2	-1.477113	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001271	CHD2	chromodomain helicase DNA binding protein 2	-1.471174	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001271	CHD2	chromodomain helicase DNA binding protein 2	-0.406013	Inlier
siRNA Disorazole DMSO Run3	NM_001271	CHD2	chromodomain helicase DNA binding protein 2	-0.298887	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0012 71	CHD2	chromodo main helicase DNA binding protein 2	0.298887	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0012 71	CHD2	chromodo main helicase DNA binding protein 2	0.33082	Inlier
siRNA Disorazole DMSO Run2	NM_0012 71	CHD2	chromodo main helicase DNA binding protein 2	0.942987	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0012 71	CHD2	chromodo main helicase DNA binding protein 2	1.641804	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0012 73	CHD4	chromodo main helicase DNA binding protein 4	-1.336101	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0012 73	CHD4	chromodo main helicase DNA binding protein 4	-0.760658	Inlier
siRNA Disorazole DMSO Run3	NM_0012 73	CHD4	chromodo main helicase DNA binding protein 4	-0.588342	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0012 73	CHD4	chromodo main helicase DNA binding protein 4	-0.050957	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0012 73	CHD4	chromodo main helicase DNA binding protein 4	0.050957	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0012 73	CHD4	chromodo main helicase DNA binding protein 4	0.168461	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0012 73	CHD4	chromodo main helicase DNA binding protein 4	1.296961	Inlier
siRNA Disorazole DMSO Run2	NM_0012 73	CHD4	chromodo main helicase DNA binding protein 4	1.370606	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0155 57	CHD5	chromodo main helicase DNA binding protein 5	-1.080139	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0155 57	CHD5	chromodo main helicase DNA binding protein 5	-1.046924	Inlier
siRNA Disorazole DMSO Run3	NM_0155 57	CHD5	chromodo main helicase DNA binding protein 5	-0.208456	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0155 57	CHD5	chromodo main helicase DNA binding protein 5	-0.158332	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0155 57	CHD5	chromodo main helicase DNA binding protein 5	0.158332	Inlier
siRNA Disorazole DMSO Run1	NM_0155 57	CHD5	chromodo main helicase DNA binding protein 5	0.302076	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0155 57	CHD5	chromodo main helicase DNA binding protein 5	1.398492	Inlier
siRNA Disorazole DMSO Run2	NM_0155 57	CHD5	chromodo main helicase DNA binding protein 5	1.561839	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0183 97	CHDH	choline dehydroge nase	-0.769615	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0183 97	CHDH	choline dehydroge nase	-0.750137	Inlier
siRNA Disorazole DMSO Run2	NM_0183 97	CHDH	choline dehydroge nase	-0.277653	Inlier
siRNA Disorazole DMSO Run3	NM_0183 97	CHDH	choline dehydroge nase	-0.047599	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0183 97	CHDH	choline dehydroge nase	0.047599	Inlier
siRNA Disorazole DMSO Run1	NM_0183 97	CHDH	choline dehydroge nase	0.598863	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0183 97	CHDH	choline dehydroge nase	2.208314	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0183 97	CHDH	choline dehydroge nase	2.938452	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Run	Gene	Gene	Value	Category
siRNA Disorazole DMSO Run2	NM_0012	74	CHEK1	CHK1 checkpoint homolog (S. pombe)	-2.971674	Inlier
siRNA Disorazole DMSO Run3	NM_0012	74	CHEK1	CHK1 checkpoint homolog (S. pombe)	-1.835342	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0012	74	CHEK1	CHK1 checkpoint homolog (S. pombe)	-0.363761	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0012	74	CHEK1	CHK1 checkpoint homolog (S. pombe)	-0.285669	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0012	74	CHEK1	CHK1 checkpoint homolog (S. pombe)	0.285669	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0012	74	CHEK1	CHK1 checkpoint homolog (S. pombe)	0.629543	Inlier
siRNA Disorazole DMSO Run1	NM_0012	74	CHEK1	CHK1 checkpoint homolog (S. pombe)	0.719457	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0012	74	CHEK1	CHK2 checkpoint homolog (S. pombe)	2.159239	Inlier
siRNA Disorazole DMSO Run2	NM_0071	94	CHEK2	CHK2 checkpoint homolog (S. pombe)	-1.667513	Inlier
siRNA Disorazole DMSO Run3	NM_0071	94	CHEK2	CHK2 checkpoint homolog (S. pombe)	-0.954237	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0071 94	CHEK2	CHK2 checkpoint homolog (S. pombe)	-0.629595	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0071 94	CHEK2	CHK2 checkpoint homolog (S. pombe)	-0.001173	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0071 94	CHEK2	CHK2 checkpoint homolog (S. pombe)	0.001173	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0071 94	CHEK2	CHK2 checkpoint homolog (S. pombe)	0.641755	Inlier
siRNA Disorazole DMSO Run1	NM_0071 94	CHEK2	CHK2 checkpoint homolog (S. pombe)	0.707245	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0071 94	CHEK2	CHK2 checkpoint homolog (S. pombe)	0.884271	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0183 71	ChGn	ChGn	-0.794099	Inlier
siRNA Disorazole DMSO Run1	NM_0183 71	ChGn	ChGn	-0.646032	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0183 71	ChGn	ChGn	-0.463519	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0183 71	ChGn	ChGn	-0.25228	Inlier
siRNA Disorazole DMSO Run3	NM_0183 71	ChGn	ChGn	0.25228	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0183 71	ChGn	ChGn	0.702968	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0183 71	ChGn	ChGn	1.206799	Inlier
siRNA Disorazole DMSO Run2	NM_0183 71	ChGn	ChGn	1.491737	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0012 76	CHI3L1	chitinase 3- like 1 (cartilage glycoprotein-39)	-1.912513	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			chitinase 3-like 1 (cartilage glycoprotein n-39)	
siRNA Disorazole DMSO Run1	NM_0012 76	CHI3L1	chitinase 3-like 1 (cartilage glycoprotein n-39)	-1.504346 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0012 76	CHI3L1	chitinase 3-like 1 (cartilage glycoprotein n-39)	-1.248446 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0012 76	CHI3L1	chitinase 3-like 1 (cartilage glycoprotein n-39)	-0.003769 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0012 76	CHI3L1	chitinase 3-like 1 (cartilage glycoprotein n-39)	0.003769 Inlier
siRNA Disorazole DMSO Run3	NM_0012 76	CHI3L1	chitinase 3-like 1 (cartilage glycoprotein n-39)	0.377744 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0012 76	CHI3L1	chitinase 3-like 1 (cartilage glycoprotein n-39)	0.454864 Inlier
siRNA Disorazole DMSO Run2	NM_0012 76	CHI3L1	chitinase 3-like 1 (cartilage glycoprotein n-39)	0.894136 Inlier
siRNA Disorazole DMSO Run1	NM_0010 25199	CHI3L2	chitinase 3-like 2	-1.840608 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 25199	CHI3L2	chitinase 3-like 2	-0.984729 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 25199	CHI3L2	chitinase 3-like 2	-0.263786 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 25199	CHI3L2	chitinase 3-like 2	-0.111788 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 25199	CHI3L2	chitinase 3-like 2	0.111787 Inlier
siRNA Disorazole DMSO Run3	NM_0010 25199	CHI3L2	chitinase 3-like 2	0.364271 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 25199	CHI3L2	chitinase 3-like 2	0.991747 Inlier
siRNA Disorazole DMSO Run2	NM_0010 25199	CHI3L2	chitinase 3-like 2	1.789281 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0034 65	CHIT1	chitinase 1 (chitotriosi dase)	-1.43112 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0034 65	CHIT1	chitinase 1 (chitotriosi dase)	-1.184498 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0034 65	CHIT1	chitinase 1 (chitotriosi dase)	-0.476865 Inlier
siRNA Disorazole DMSO Run3	NM_0034 65	CHIT1	chitinase 1 (chitotriosi dase)	-0.243065 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0034 65	CHIT1	chitinase 1 (chitotriosi dase)	0.243064 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0034 65	CHIT1	chitinase 1 (chitotriosi dase)	0.358034 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0034 65	CHIT1	chitinase 1 (chitotriosi dase)	0.872135 Inlier
siRNA Disorazole DMSO Run2	NM_0034 65	CHIT1	chitinase 1 (chitotriosi dase)	1.479339 Inlier
siRNA Disorazole DMSO Run2	NM_2124 69	CHKA	choline kinase alpha	-0.964034 Inlier
siRNA-Temozolomide Run3- DMSO	NM_2124 69	CHKA	choline kinase alpha	-0.954962 Inlier
siRNA-Temozolomide Run2- DMSO	NM_2124 69	CHKA	choline kinase alpha	-0.609644 Inlier
siRNA-Temozolomide Run1- DMSO	NM_2124 69	CHKA	choline kinase alpha	-0.099405 Inlier
siRNA Disorazole DMSO Run3	NM_2124 69	CHKA	choline kinase alpha	0.099405 Inlier
siRNA Disorazole DMSO Run1	NM_2124 69	CHKA	choline kinase alpha	0.387745 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Condition	Gene ID	Gene Symbol	Gene Name	Value	Category
Molecular Pharmacology siRNA-Vinblastine Run1- DMSO	NM_2124 69	CHKA	choline kinase alpha	0.739356	Inlier
siRNA-Vinblastine Run2- DMSO	NM_2124 69	CHKA	choline kinase alpha	0.752352	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0051 98	CHKB	choline kinase beta	-1.954601	Inlier
siRNA Disorazole DMSO Run2	NM_0051 98	CHKB	choline kinase beta	-1.909598	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0051 98	CHKB	choline kinase beta	-0.240862	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0051 98	CHKB	choline kinase beta	-0.127607	Inlier
siRNA Disorazole DMSO Run1	NM_0051 98	CHKB	choline kinase beta	0.127607	Inlier
siRNA Disorazole DMSO Run3	NM_0051 98	CHKB	choline kinase beta	0.617465	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0051 98	CHKB	choline kinase beta	0.731535	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0051 98	CHKB	choline kinase beta	1.470484	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0003 90	CHM	choroidere mia (Rab escort protein 1)	-1.083013	Inlier
siRNA Disorazole DMSO Run3	NM_0003 90	CHM	choroidere mia (Rab escort protein 1)	-0.750913	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0003 90	CHM	choroidere mia (Rab escort protein 1)	-0.598087	Inlier
siRNA Disorazole DMSO Run1	NM_0003 90	CHM	choroidere mia (Rab escort protein 1)	-0.389156	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0003 90	CHM	choroidere mia (Rab escort protein 1)	0.389156	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0003 90	CHM	choroideremia (Rab escort protein 1)	0.456905	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0003 90	CHM	choroideremia (Rab escort protein 1)	1.526646	Inlier
siRNA Disorazole DMSO Run2	NM_0003 90	CHM	choroideremia (Rab escort protein 1)	2.237681	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 25201	CHN1	chimerin (chimaerin) 1	-0.703929	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 25201	CHN1	chimerin (chimaerin) 1	-0.645071	Inlier
siRNA Disorazole DMSO Run1	NM_0010 25201	CHN1	chimerin (chimaerin) 1	-0.316888	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 25201	CHN1	chimerin (chimaerin) 1	-0.138788	Inlier
siRNA Disorazole DMSO Run3	NM_0010 25201	CHN1	chimerin (chimaerin) 1	0.138788	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 25201	CHN1	chimerin (chimaerin) 1	0.933098	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 25201	CHN1	chimerin (chimaerin) 1	9.90795	Outlier
siRNA Disorazole DMSO Run2	NM_0010 25201	CHN1	chimerin (chimaerin) 1	12.98019	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0040 67	CHN2	chimerin (chimaerin) 2	-1.118326	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0040 67	CHN2	chimerin (chimaerin) 2	-0.963089	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0040 67	CHN2	chimerin (chimaerin) 2	-0.792392	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0040 67	CHN2	chimerin (chimaerin) 2	-0.001403	Inlier
siRNA Disorazole DMSO Run3	NM_0040 67	CHN2	chimerin (chimaerin) 2	0.001403	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0040 67	CHN2	chimerin (chimaerin) 2	0.182028	Inlier
siRNA Disorazole DMSO Run2	NM_0040 67	CHN2	chimerin (chimaerin) 2	0.556608	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0040 67	CHN2	chimerin (chimaerin) 2	0.82818	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0202 44	CHPT1	choline phosphotr ansferase 1	-0.798665	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0202 44	CHPT1	choline phosphotr ansferase 1	-0.725624	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0202 44	CHPT1	choline phosphotr ansferase 1	-0.413574	Inlier
siRNA Disorazole DMSO Run1	NM_0202 44	CHPT1	choline phosphotr ansferase 1	-0.227866	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0202 44	CHPT1	choline phosphotr ansferase 1	0.227866	Inlier
siRNA Disorazole DMSO Run3	NM_0202 44	CHPT1	choline phosphotr ansferase 1	0.623376	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0202 44	CHPT1	choline phosphotr ansferase 1	0.808519	Inlier
siRNA Disorazole DMSO Run2	NM_0202 44	CHPT1	choline phosphotr ansferase 1	0.89042	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0174 44	CHRAC1	chromatin accessibilit y complex 1	-1.851318	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0174 44	CHRAC1	chromatin accessibilit y complex 1	-0.720268	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0174 44	CHRAC1	chromatin accessibilit y complex 1	-0.628732	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0174 44	CHRAC1	chromatin accessibilit y complex 1	-0.101428	Inlier
siRNA Disorazole DMSO Run3	NM_0174 44	CHRAC1	chromatin accessibilit y complex 1	0.101427	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0174 44	CHRAC1	chromatin accessibilit y complex 1	0.324362	Inlier
siRNA Disorazole DMSO Run2	NM_0174 44	CHRAC1	chromatin accessibilit y complex 1	0.910132	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0174 44	CHRAC1	chromatin accessibilit y complex 1	2.858158	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1489 11	CHRFAM7 A	CHRNA7 (cholinergi c receptor, nicotinic, alpha polypeptid e 7, exons 5-10) and FAM7A (family with sequence similarity 7A, exons A-E) fusion	-3.102333	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

				CHRNA7 (cholinergic receptor, nicotinic, alpha polypeptide 7, exons 5-10) and FAM7A (family with sequence similarity 7A, exons A-E)	
siRNA Disorazole DMSO Run1	11	NM_1489	CHRFAM7 A	fusion	-0.676116 Inlier

				CHRNA7 (cholinergic receptor, nicotinic, alpha polypeptide 7, exons 5-10) and FAM7A (family with sequence similarity 7A, exons A-E)	
siRNA-Temozolomide Run2- DMSO	11	NM_1489	CHRFAM7 A	fusion	-0.672884 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_148911	CHRFAM7A	CHRNA7 (cholinergic receptor, nicotinic, alpha polypeptide 7, exons 5-10) and FAM7A (family with sequence similarity 7A, exons A-E) fusion	-0.247781	Inlier
------------------------------	-----------	----------	--	-----------	--------

siRNA-Vinblastine Run2-DMSO	NM_148911	CHRFAM7A	CHRNA7 (cholinergic receptor, nicotinic, alpha polypeptide 7, exons 5-10) and FAM7A (family with sequence similarity 7A, exons A-E) fusion	0.247781	Inlier
-----------------------------	-----------	----------	--	----------	--------

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_1489 11	CHRFAM7 A	CHRNA7 (cholinergic receptor, nicotinic, alpha polypeptide 7, exons 5-10) and FAM7A (family with sequence similarity 7A, exons A-E) fusion	0.619917	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1489 11	CHRFAM7 A	CHRNA7 (cholinergic receptor, nicotinic, alpha polypeptide 7, exons 5-10) and FAM7A (family with sequence similarity 7A, exons A-E) fusion	1.868581	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

				CHRNA7 (cholinergic receptor, nicotinic, alpha polypeptide 7, exons 5-10) and FAM7A (family with sequence similarity 7A, exons A-E)	
siRNA Disorazole DMSO Run2	NM_1489 11	CHRFAM7 A	fusion	2.86762	Inlier
siRNA Disorazole DMSO Run3	NM_0007 38	CHRM1	1	-1.019895	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0007 38	CHRM1	1	-0.776073	Inlier
siRNA Disorazole DMSO Run2	NM_0007 38	CHRM1	1	-0.618676	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0007 38	CHRM1	1	-0.111063	Inlier
siRNA Disorazole DMSO Run1	NM_0007 38	CHRM1	1	0.111063	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0007 38	CHRM1	1	0.126253	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0007 38	CHRM1	1	cholinergic receptor, muscarinic	0.730324 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0007 38	CHRM1	1	cholinergic receptor, muscarinic	0.748598 Inlier
siRNA Disorazole DMSO Run2	NM_0007 40	CHRM3	3	cholinergic receptor, muscarinic	-3.350604 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0007 40	CHRM3	3	cholinergic receptor, muscarinic	-0.840455 Inlier
siRNA Disorazole DMSO Run1	NM_0007 40	CHRM3	3	cholinergic receptor, muscarinic	-0.508545 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0007 40	CHRM3	3	cholinergic receptor, muscarinic	-0.262692 Inlier
siRNA Disorazole DMSO Run3	NM_0007 40	CHRM3	3	cholinergic receptor, muscarinic	0.262692 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0007 40	CHRM3	3	cholinergic receptor, muscarinic	0.264718 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0007 40	CHRM3	3	cholinergic receptor, muscarinic	1.096978 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0007 40	CHRM3	3	cholinergic receptor, muscarinic	2.051476 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0007 41	CHRM4	4	cholinergic receptor, muscarinic	-1.069764 Inlier
siRNA Disorazole DMSO Run2	NM_0007 41	CHRM4	4	cholinergic receptor, muscarinic	-0.851841 Inlier
siRNA Disorazole DMSO Run3	NM_0007 41	CHRM4	4	cholinergic receptor, muscarinic	-0.306399 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0007 41	CHRM4	4	cholinergic receptor, muscarinic	-0.235547 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0007 41	CHRM4	4	cholinergic receptor, muscarinic	0.235547 Inlier
siRNA Disorazole DMSO Run1	NM_0007 41	CHRM4	4	cholinergic receptor, muscarinic	0.497159 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0007 41	CHRM4	4	cholinergic receptor, muscarinic	1.964697 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0007 41	CHRM4	4	cholinergic receptor, muscarinic	2.304958 Inlier
siRNA Disorazole DMSO Run2	NM_0121 25	CHRM5	5	cholinergic receptor, muscarinic	-0.763742 Inlier
siRNA Disorazole DMSO Run3	NM_0121 25	CHRM5	5	cholinergic receptor, muscarinic	-0.621648 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0121 25	CHRM5	5	cholinergic receptor, muscarinic	-0.549147 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0121 25	CHRM5	5	cholinergic receptor, muscarinic	-0.417901 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0121 25	CHRM5	5	cholinergic receptor, muscarinic	0.417901 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0121 25	CHRM5	5	cholinergic receptor, muscarinic	0.727352 Inlier
siRNA Disorazole DMSO Run1	NM_0121 25	CHRM5	5	cholinergic receptor, muscarinic	0.766494 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0121 25	CHRM5	5	cholinergic receptor, muscarinic	0.827592 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0000 79	CHRNA1	(muscle)	cholinergic receptor, nicotinic, alpha polypeptid e 1	-2.367725 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0000 79	CHRNA1	(muscle)	cholinergic receptor, nicotinic, alpha polypeptid e 1	-1.624759 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_000079	CHRNA1	cholinergic receptor, nicotinic, alpha polypeptide 1 (muscle)	-0.552129	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000079	CHRNA1	cholinergic receptor, nicotinic, alpha polypeptide 1 (muscle)	-0.339022	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000079	CHRNA1	cholinergic receptor, nicotinic, alpha polypeptide 1 (muscle)	0.339022	Inlier
siRNA Disorazole DMSO Run1	NM_000079	CHRNA1	cholinergic receptor, nicotinic, alpha polypeptide 1 (muscle)	0.411858	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000079	CHRNA1	cholinergic receptor, nicotinic, alpha polypeptide 1 (muscle)	0.796871	Inlier
siRNA Disorazole DMSO Run2	NM_000079	CHRNA1	cholinergic receptor, nicotinic, alpha polypeptide 1 (muscle)	7.26452	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_020402	CHRNA10	cholinergic receptor, nicotinic, alpha polypeptide 10	-2.756892	Inlier
siRNA Disorazole DMSO Run1	NM_020402	CHRNA10	cholinergic receptor, nicotinic, alpha polypeptide 10	-0.617342	Inlier
siRNA Disorazole DMSO Run3	NM_020402	CHRNA10	cholinergic receptor, nicotinic, alpha polypeptide 10	-0.271189	Inlier
siRNA-Temozolomide Run2-DMSO	NM_020402	CHRNA10	cholinergic receptor, nicotinic, alpha polypeptide 10	-0.077395	Inlier
siRNA-Temozolomide Run1-DMSO	NM_020402	CHRNA10	cholinergic receptor, nicotinic, alpha polypeptide 10	0.077394	Inlier
siRNA-Vinblastine Run2-DMSO	NM_020402	CHRNA10	cholinergic receptor, nicotinic, alpha polypeptide 10	0.731658	Inlier
siRNA Disorazole DMSO Run2	NM_020402	CHRNA10	cholinergic receptor, nicotinic, alpha polypeptide 10	1.051715	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_020402	CHRNA10	cholinergic receptor, nicotinic, alpha polypeptide 10	1.375403	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000742	CHRNA2	cholinergic receptor, nicotinic, alpha polypeptide 2 (neuronal)	-1.795603	Inlier
siRNA Disorazole DMSO Run3	NM_000742	CHRNA2	cholinergic receptor, nicotinic, alpha polypeptide 2 (neuronal)	-0.62048	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000742	CHRNA2	cholinergic receptor, nicotinic, alpha polypeptide 2 (neuronal)	-0.514988	Inlier
siRNA Disorazole DMSO Run2	NM_000742	CHRNA2	cholinergic receptor, nicotinic, alpha polypeptide 2 (neuronal)	-0.382967	Inlier
siRNA Disorazole DMSO Run1	NM_000742	CHRNA2	cholinergic receptor, nicotinic, alpha polypeptide 2 (neuronal)	0.382967	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_000742	CHRNA2	cholinergic receptor, nicotinic, alpha polypeptide 2 (neuronal)	0.72852	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000742	CHRNA2	cholinergic receptor, nicotinic, alpha polypeptide 2 (neuronal)	1.546275	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000742	CHRNA2	cholinergic receptor, nicotinic, alpha polypeptide 2 (neuronal)	1.828713	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000743	CHRNA3	cholinergic receptor, nicotinic, alpha polypeptide 3	-7.878066	Outlier
siRNA Disorazole DMSO Run1	NM_000743	CHRNA3	cholinergic receptor, nicotinic, alpha polypeptide 3	-0.809779	Inlier
siRNA Disorazole DMSO Run3	NM_000743	CHRNA3	cholinergic receptor, nicotinic, alpha polypeptide 3	-0.539222	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000743	CHRNA3	cholinergic receptor, nicotinic, alpha polypeptide 3	-0.092843	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0007 43	CHRNA3	cholinergic receptor, nicotinic, alpha polypeptid e 3	0.092843	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0007 43	CHRNA3	cholinergic receptor, nicotinic, alpha polypeptid e 3	0.120661	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0007 43	CHRNA3	cholinergic receptor, nicotinic, alpha polypeptid e 3	6.837822	Outlier
siRNA-Vinblastine Run2- DMSO	NM_0007 43	CHRNA3	cholinergic receptor, nicotinic, alpha polypeptid e 3	7.557904	Outlier
siRNA-Temozolomide Run3- DMSO	NM_0007 44	CHRNA4	cholinergic receptor, nicotinic, alpha polypeptid e 4	-1.073788	Inlier
siRNA Disorazole DMSO Run1	NM_0007 44	CHRNA4	cholinergic receptor, nicotinic, alpha polypeptid e 4	-0.415422	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0007 44	CHRNA4	cholinergic receptor, nicotinic, alpha polypeptid e 4	-0.130029	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_000744	CHRNA4	cholinergic receptor, nicotinic, alpha polypeptide 4	-0.017482	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000744	CHRNA4	cholinergic receptor, nicotinic, alpha polypeptide 4	0.017483	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000744	CHRNA4	cholinergic receptor, nicotinic, alpha polypeptide 4	0.933578	Inlier
siRNA Disorazole DMSO Run3	NM_000744	CHRNA4	cholinergic receptor, nicotinic, alpha polypeptide 4	1.05547	Inlier
siRNA Disorazole DMSO Run2	NM_000744	CHRNA4	cholinergic receptor, nicotinic, alpha polypeptide 4	1.682496	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000745	CHRNA5	cholinergic receptor, nicotinic, alpha polypeptide 5	-2.796491	Inlier
siRNA Disorazole DMSO Run1	NM_000745	CHRNA5	cholinergic receptor, nicotinic, alpha polypeptide 5	-1.361444	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_000745	CHRNA5	cholinergic receptor, nicotinic, alpha polypeptide 5	-0.206256	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000745	CHRNA5	cholinergic receptor, nicotinic, alpha polypeptide 5	-0.111657	Inlier
siRNA Disorazole DMSO Run3	NM_000745	CHRNA5	cholinergic receptor, nicotinic, alpha polypeptide 5	0.111657	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000745	CHRNA5	cholinergic receptor, nicotinic, alpha polypeptide 5	0.323386	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000745	CHRNA5	cholinergic receptor, nicotinic, alpha polypeptide 5	1.025614	Inlier
siRNA Disorazole DMSO Run2	NM_000745	CHRNA5	cholinergic receptor, nicotinic, alpha polypeptide 5	2.997986	Inlier
siRNA Disorazole DMSO Run1	NM_004198	CHRNA6	cholinergic receptor, nicotinic, alpha polypeptide 6	-1.777133	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_004198	CHRNA6	cholinergic receptor, nicotinic, alpha polypeptide 6	-1.131159	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004198	CHRNA6	cholinergic receptor, nicotinic, alpha polypeptide 6	-0.217841	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004198	CHRNA6	cholinergic receptor, nicotinic, alpha polypeptide 6	-0.027074	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004198	CHRNA6	cholinergic receptor, nicotinic, alpha polypeptide 6	0.027075	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004198	CHRNA6	cholinergic receptor, nicotinic, alpha polypeptide 6	0.072102	Inlier
siRNA Disorazole DMSO Run3	NM_004198	CHRNA6	cholinergic receptor, nicotinic, alpha polypeptide 6	1.154161	Inlier
siRNA Disorazole DMSO Run2	NM_004198	CHRNA6	cholinergic receptor, nicotinic, alpha polypeptide 6	2.283103	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_000746	CHRNA7	cholinergic receptor, nicotinic, alpha polypeptide 7	-1.046061	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000746	CHRNA7	cholinergic receptor, nicotinic, alpha polypeptide 7	-0.927396	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000746	CHRNA7	cholinergic receptor, nicotinic, alpha polypeptide 7	-0.473598	Inlier
siRNA Disorazole DMSO Run1	NM_000746	CHRNA7	cholinergic receptor, nicotinic, alpha polypeptide 7	-0.300023	Inlier
siRNA Disorazole DMSO Run2	NM_000746	CHRNA7	cholinergic receptor, nicotinic, alpha polypeptide 7	0.300023	Inlier
siRNA Disorazole DMSO Run3	NM_000746	CHRNA7	cholinergic receptor, nicotinic, alpha polypeptide 7	0.397573	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000746	CHRNA7	cholinergic receptor, nicotinic, alpha polypeptide 7	0.875402	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_000746	CHRNA7	cholinergic receptor, nicotinic, alpha polypeptide 7	1.37641	Inlier
siRNA-Temozolomide Run3-DMSO	NM_017581	CHRNA9	cholinergic receptor, nicotinic, alpha polypeptide 9	-1.65671	Inlier
siRNA Disorazole DMSO Run1	NM_017581	CHRNA9	cholinergic receptor, nicotinic, alpha polypeptide 9	-0.725102	Inlier
siRNA-Temozolomide Run2-DMSO	NM_017581	CHRNA9	cholinergic receptor, nicotinic, alpha polypeptide 9	-0.623898	Inlier
siRNA-Temozolomide Run1-DMSO	NM_017581	CHRNA9	cholinergic receptor, nicotinic, alpha polypeptide 9	-0.092093	Inlier
siRNA Disorazole DMSO Run3	NM_017581	CHRNA9	cholinergic receptor, nicotinic, alpha polypeptide 9	0.092093	Inlier
siRNA-Vinblastine Run2-DMSO	NM_017581	CHRNA9	cholinergic receptor, nicotinic, alpha polypeptide 9	0.591929	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0175 81	CHRNA9	cholinergic receptor, nicotinic, alpha polypeptid e 9	2.405602	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0175 81	CHRNA9	cholinergic receptor, nicotinic, alpha polypeptid e 9	2.92428	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0007 47	CHRNA9	cholinergic receptor, nicotinic, beta polypeptid e 1 (muscle)	-1.60986	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0007 47	CHRNA9	cholinergic receptor, nicotinic, beta polypeptid e 1 (muscle)	-0.52811	Inlier
siRNA Disorazole DMSO Run1	NM_0007 47	CHRNA9	cholinergic receptor, nicotinic, beta polypeptid e 1 (muscle)	-0.117346	Inlier
siRNA Disorazole DMSO Run3	NM_0007 47	CHRNA9	cholinergic receptor, nicotinic, beta polypeptid e 1 (muscle)	-0.109883	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_000747	CHRNA1	cholinergic receptor, nicotinic, beta polypeptide 1 (muscle)	0.109883	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000747	CHRNA1	cholinergic receptor, nicotinic, beta polypeptide 1 (muscle)	0.82089	Inlier
siRNA Disorazole DMSO Run2	NM_000747	CHRNA1	cholinergic receptor, nicotinic, beta polypeptide 1 (muscle)	3.187395	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000747	CHRNA1	cholinergic receptor, nicotinic, beta polypeptide 1 (muscle)	5.178692	Outlier
siRNA-Temozolomide Run3-DMSO	NM_000748	CHRNA2	cholinergic receptor, nicotinic, beta polypeptide 2 (neuronal)	-0.915638	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000748	CHRNA2	cholinergic receptor, nicotinic, beta polypeptide 2 (neuronal)	-0.433362	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0007 48	CHRNA2	cholinergic receptor, nicotinic, beta polypeptid e 2 (neuronal)	-0.348951	Inlier
siRNA Disorazole DMSO Run3	NM_0007 48	CHRNA2	cholinergic receptor, nicotinic, beta polypeptid e 2 (neuronal)	-0.026729	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0007 48	CHRNA2	cholinergic receptor, nicotinic, beta polypeptid e 2 (neuronal)	0.026729	Inlier
siRNA Disorazole DMSO Run1	NM_0007 48	CHRNA2	cholinergic receptor, nicotinic, beta polypeptid e 2 (neuronal)	1.313185	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0007 48	CHRNA2	cholinergic receptor, nicotinic, beta polypeptid e 2 (neuronal)	1.888108	Inlier
siRNA Disorazole DMSO Run2	NM_0007 48	CHRNA2	cholinergic receptor, nicotinic, beta polypeptid e 2 (neuronal)	4.115613	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_000749	CHRNB3	cholinergic receptor, nicotinic, beta polypeptide 3	-2.087158	Inlier
siRNA Disorazole DMSO Run3	NM_000749	CHRNB3	cholinergic receptor, nicotinic, beta polypeptide 3	-1.118762	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000749	CHRNB3	cholinergic receptor, nicotinic, beta polypeptide 3	-0.230238	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000749	CHRNB3	cholinergic receptor, nicotinic, beta polypeptide 3	-0.026639	Inlier
siRNA Disorazole DMSO Run2	NM_000749	CHRNB3	cholinergic receptor, nicotinic, beta polypeptide 3	0.026638	Inlier
siRNA Disorazole DMSO Run1	NM_000749	CHRNB3	cholinergic receptor, nicotinic, beta polypeptide 3	0.205891	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000749	CHRNB3	cholinergic receptor, nicotinic, beta polypeptide 3	1.558534	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_000749	CHRNB3	cholinergic receptor, nicotinic, beta polypeptide 3	2.344562	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000750	CHRNB4	cholinergic receptor, nicotinic, beta polypeptide 4	-1.628653	Inlier
siRNA Disorazole DMSO Run1	NM_000750	CHRNB4	cholinergic receptor, nicotinic, beta polypeptide 4	-0.663685	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000750	CHRNB4	cholinergic receptor, nicotinic, beta polypeptide 4	-0.439491	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000750	CHRNB4	cholinergic receptor, nicotinic, beta polypeptide 4	-0.436136	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000750	CHRNB4	cholinergic receptor, nicotinic, beta polypeptide 4	0.436135	Inlier
siRNA Disorazole DMSO Run3	NM_000750	CHRNB4	cholinergic receptor, nicotinic, beta polypeptide 4	0.685315	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0007 50	CHRNA4	cholinergic receptor, nicotinic, beta polypeptid e 4	3.231376	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0007 50	CHRNA4	cholinergic receptor, nicotinic, beta polypeptid e 4	4.336438	Outlier
siRNA Disorazole DMSO Run1	NM_0007 51	CHRNA4	cholinergic receptor, nicotinic, delta polypeptid e	-1.619426	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0007 51	CHRNA4	cholinergic receptor, nicotinic, delta polypeptid e	-0.911384	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0007 51	CHRNA4	cholinergic receptor, nicotinic, delta polypeptid e	-0.731008	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0007 51	CHRNA4	cholinergic receptor, nicotinic, delta polypeptid e	-0.247296	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0007 51	CHRNA4	cholinergic receptor, nicotinic, delta polypeptid e	0.247298	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0007 51	CHRND	cholinergic receptor, nicotinic, delta polypeptid e	0.534967	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0007 51	CHRND	cholinergic receptor, nicotinic, delta polypeptid e	0.617992	Inlier
siRNA Disorazole DMSO Run2	NM_0007 51	CHRND	cholinergic receptor, nicotinic, delta polypeptid e	2.695246	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0000 80	CHRNE	cholinergic receptor, nicotinic, epsilon polypeptid e	-1.120728	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0000 80	CHRNE	cholinergic receptor, nicotinic, epsilon polypeptid e	-0.466188	Inlier
siRNA Disorazole DMSO Run1	NM_0000 80	CHRNE	cholinergic receptor, nicotinic, epsilon polypeptid e	-0.187425	Inlier
siRNA Disorazole DMSO Run3	NM_0000 80	CHRNE	cholinergic receptor, nicotinic, epsilon polypeptid e	-0.154498	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_000080	CHRNE	cholinergic receptor, nicotinic, epsilon polypeptide	0.154498	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000080	CHRNE	cholinergic receptor, nicotinic, epsilon polypeptide	0.882812	Inlier
siRNA Disorazole DMSO Run2	NM_000080	CHRNE	cholinergic receptor, nicotinic, epsilon polypeptide	2.396655	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000080	CHRNE	cholinergic receptor, nicotinic, epsilon polypeptide	2.766949	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005199	CHRNG	cholinergic receptor, nicotinic, gamma polypeptide	-2.401667	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005199	CHRNG	cholinergic receptor, nicotinic, gamma polypeptide	-0.612724	Inlier
siRNA Disorazole DMSO Run1	NM_005199	CHRNG	cholinergic receptor, nicotinic, gamma polypeptide	-0.381787	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0051 99	CHRNA3	cholinergic receptor, nicotinic, gamma polypeptid e	-0.113385	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0051 99	CHRNA3	cholinergic receptor, nicotinic, gamma polypeptid e	0.113385	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0051 99	CHRNA3	cholinergic receptor, nicotinic, gamma polypeptid e	0.736276	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0051 99	CHRNA3	cholinergic receptor, nicotinic, gamma polypeptid e	5.25574	Outlier
siRNA Disorazole DMSO Run2	NM_0051 99	CHRNA3	cholinergic receptor, nicotinic, gamma polypeptid e	5.749806	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0036 54	CHST1	carbohydr ate (keratan sulfate Gal- 6) sulfotransf erase 1	-0.790636	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0036 54	CHST1	carbohydr ate (keratan sulfate Gal- 6) sulfotransf erase 1	-0.558364	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0036 54	CHST1	carbohydrate (keratan sulfate Gal-6) sulfotransferase 1	-0.312745	Inlier
siRNA Disorazole DMSO Run3	NM_0036 54	CHST1	carbohydrate (keratan sulfate Gal-6) sulfotransferase 1	-0.184209	Inlier
siRNA Disorazole DMSO Run1	NM_0036 54	CHST1	carbohydrate (keratan sulfate Gal-6) sulfotransferase 1	0.184208	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0036 54	CHST1	carbohydrate (keratan sulfate Gal-6) sulfotransferase 1	0.897413	Inlier
siRNA Disorazole DMSO Run2	NM_0036 54	CHST1	carbohydrate (keratan sulfate Gal-6) sulfotransferase 1	3.919912	Outlier
siRNA-Vinblastine Run1-DMSO	NM_0036 54	CHST1	carbohydrate (keratan sulfate Gal-6) sulfotransferase 1	4.263843	Outlier
siRNA-Temozolomide Run1-DMSO	NM_0048 54	CHST10	carbohydrate sulfotransferase 10	-1.07574	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0048 54	CHST10	carbohydrate sulfotransferase 10	-0.756781	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0048 54	CHST10	carbohydrate sulfotransferase 10	-0.491046	Inlier
siRNA Disorazole DMSO Run1	NM_0048 54	CHST10	carbohydrate sulfotransferase 10	-0.171722	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0048 54	CHST10	carbohydrate sulfotransferase 10	0.171721	Inlier
siRNA Disorazole DMSO Run2	NM_0048 54	CHST10	carbohydrate sulfotransferase 10	0.592219	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0048 54	CHST10	carbohydrate sulfotransferase 10	0.789484	Inlier
siRNA Disorazole DMSO Run3	NM_0048 54	CHST10	carbohydrate sulfotransferase 10	1.034356	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0184 13	CHST11	(chondroitin 4) sulfotransferase 11	-1.080571	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0184 13	CHST11	(chondroitin 4) sulfotransferase 11	-0.822196	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0184 13	CHST11	(chondroitin 4) sulfotransferase 11	-0.653546	Inlier
siRNA Disorazole DMSO Run1	NM_0184 13	CHST11	(chondroitin 4) sulfotransferase 11	-0.060738	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0184 13	CHST11	carbohydrate (chondroitin 4) sulfotransferase 11	0.060737	Inlier
siRNA Disorazole DMSO Run3	NM_0184 13	CHST11	carbohydrate (chondroitin 4) sulfotransferase 11	0.564881	Inlier
siRNA Disorazole DMSO Run2	NM_0184 13	CHST11	carbohydrate (chondroitin 4) sulfotransferase 11	0.695454	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0184 13	CHST11	carbohydrate (chondroitin 4) sulfotransferase 11	0.820051	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0186 41	CHST12	carbohydrate (chondroitin 4) sulfotransferase 12	-1.20913	Inlier
siRNA Disorazole DMSO Run1	NM_0186 41	CHST12	carbohydrate (chondroitin 4) sulfotransferase 12	-1.067506	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0186 41	CHST12	carbohydrate (chondroitin 4) sulfotransferase 12	-0.742683	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0186 41	CHST12	carbohydrate (chondroitin 4) sulfotransferase 12	-0.046992	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Value	Category
siRNA-Vinblastine Run2-DMSO	NM_018641	CHST12	0.046992	Inlier
siRNA-Vinblastine Run1-DMSO	NM_018641	CHST12	0.532759	Inlier
siRNA Disorazole DMSO Run3	NM_018641	CHST12	0.632239	Inlier
siRNA Disorazole DMSO Run2	NM_018641	CHST12	0.716761	Inlier
siRNA-Temozolomide Run2-DMSO	NM_152889	CHST13	-2.772653	Inlier
siRNA Disorazole DMSO Run3	NM_152889	CHST13	-0.835984	Inlier
siRNA-Temozolomide Run1-DMSO	NM_152889	CHST13	-0.214878	Inlier
siRNA-Temozolomide Run3-DMSO	NM_152889	CHST13	-0.127182	Inlier

carbohydrate
 (chondroitin 4)
 sulfotransferase 12
 carbohydrate
 (chondroitin 4)
 sulfotransferase 12
 carbohydrate
 (chondroitin 4)
 sulfotransferase 12
 carbohydrate
 (chondroitin 4)
 sulfotransferase 12
 carbohydrate
 (chondroitin 4)
 sulfotransferase 13
 carbohydrate
 (chondroitin 4)
 sulfotransferase 13
 carbohydrate
 (chondroitin 4)
 sulfotransferase 13
 carbohydrate
 (chondroitin 4)
 sulfotransferase 13

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1528 89	CHST13	carbohydrate (chondroitin 4) sulfotransferase 13	0.127181	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1528 89	CHST13	carbohydrate (chondroitin 4) sulfotransferase 13	0.513016	Inlier
siRNA Disorazole DMSO Run2	NM_1528 89	CHST13	carbohydrate (chondroitin 4) sulfotransferase 13	6.717426	Outlier
siRNA-Vinblastine Run1-DMSO	NM_1528 89	CHST13	carbohydrate (N-acetylglucosamine-6-O) sulfotransferase 13	7.824757	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0042 67	CHST2	carbohydrate (N-acetylglucosamine-6-O) sulfotransferase 2	-1.494648	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0042 67	CHST2	carbohydrate (N-acetylglucosamine-6-O) sulfotransferase 2	-0.884027	Inlier
siRNA Disorazole DMSO Run3	NM_0042 67	CHST2	carbohydrate (N-acetylglucosamine-6-O) sulfotransferase 2	-0.169456	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0042 67	CHST2	sulfotransferase 2	-0.163431	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0042 67	CHST2	carbohydrate (N-acetylglucosamine-6-O) sulfotransferase 2	0.163431	Inlier
siRNA Disorazole DMSO Run1	NM_0042 67	CHST2	carbohydrate (N-acetylglucosamine-6-O) sulfotransferase 2	0.464972	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0042 67	CHST2	carbohydrate (N-acetylglucosamine-6-O) sulfotransferase 2	1.545558	Inlier
siRNA Disorazole DMSO Run2	NM_0042 67	CHST2	carbohydrate (chondroitin 6) sulfotransferase 2	2.216228	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0042 73	CHST3	carbohydrate (chondroitin 6) sulfotransferase 3	-0.917131	Inlier
siRNA Disorazole DMSO Run1	NM_0042 73	CHST3	carbohydrate (chondroitin 6) sulfotransferase 3	-0.597101	Inlier
siRNA Disorazole DMSO Run3	NM_0042 73	CHST3	carbohydrate (chondroitin 6) sulfotransferase 3	-0.312278	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0042 73	CHST3	carbohydrate (chondroitin 6) sulfotransferase 3	-0.062393	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_004273	CHST3	carbohydrate (chondroitin 6) sulfotransferase 3	0.062393	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004273	CHST3	carbohydrate (chondroitin 6) sulfotransferase 3	0.751899	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004273	CHST3	carbohydrate (chondroitin 6) sulfotransferase 3	6.601081	Outlier
siRNA Disorazole DMSO Run2	NM_004273	CHST3	carbohydrate (chondroitin 6) sulfotransferase 3	7.647923	Outlier
siRNA-Temozolomide Run2-DMSO	NM_005769	CHST4	carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 4	-1.665115	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005769	CHST4	carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 4	-1.042241	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005769	CHST4	carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 4	-0.306759	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005769	CHST4	carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 4	-0.0214	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0057 69	CHST4	carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 4	0.0214	Inlier
siRNA Disorazole DMSO Run1	NM_0057 69	CHST4	carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 4	0.027672	Inlier
siRNA Disorazole DMSO Run2	NM_0057 69	CHST4	carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 4	1.887401	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0057 69	CHST4	carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 4	2.616302	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0121 26	CHST5	carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 5	-0.945295	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0121 26	CHST5	carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 5	-0.699419	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0121 26	CHST5	carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 5	-0.649581	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0121 26	CHST5	carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 5	-0.094034	Inlier
siRNA Disorazole DMSO Run1	NM_0121 26	CHST5	carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 5	0.094034	Inlier
siRNA Disorazole DMSO Run3	NM_0121 26	CHST5	carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 5	0.352593	Inlier
siRNA Disorazole DMSO Run2	NM_0121 26	CHST5	carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 5	4.373171	Outlier
siRNA-Vinblastine Run1-DMSO	NM_0121 26	CHST5	carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 5	4.660789	Outlier
siRNA Disorazole DMSO Run1	NM_0216 15	CHST6	carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 6	-1.002609	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0216 15	CHST6	carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 6	-0.643428	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0216 15	CHST6	carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 6	-0.553361	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0216 15	CHST6	carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 6	-0.512036	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0216 15	CHST6	carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 6	0.512035	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0216 15	CHST6	carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 6	0.705572	Inlier
siRNA Disorazole DMSO Run2	NM_0216 15	CHST6	carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 6	0.771167	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0216 15	CHST6	carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 6	0.931578	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0198 86	CHST7	sulfotransferase 7	-1.184183	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0198 86	CHST7	carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 7	-0.860896	Inlier
siRNA Disorazole DMSO Run1	NM_0198 86	CHST7	carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 7	-0.670469	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0198 86	CHST7	carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 7	-0.184763	Inlier
siRNA Disorazole DMSO Run3	NM_0198 86	CHST7	carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 7	0.184763	Inlier
siRNA Disorazole DMSO Run2	NM_0198 86	CHST7	carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 7	0.516859	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0198 86	CHST7	carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 7	0.678531	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0198 86	CHST7	carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 7	0.701728	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0224 67	CHST8	carbohydrate (N-acetylgalactosamine 4-0) sulfotransferase 8	-0.838477	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0224 67	CHST8	carbohydrate (N-acetylgalactosamine 4-0) sulfotransferase 8	-0.510523	Inlier
siRNA Disorazole DMSO Run3	NM_0224 67	CHST8	carbohydrate (N-acetylgalactosamine 4-0) sulfotransferase 8	-0.207971	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0224 67	CHST8	carbohydrate (N-acetylgalactosamine 4-0) sulfotransferase 8	-0.092543	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0224 67	CHST8	carbohydrate (N-acetylgalactosamine 4-0) sulfotransferase 8	0.092543	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0224 67	CHST8	carbohydrate (N-acetylgalactosamine 4-0) sulfotransferase 8	0.983165	Inlier
siRNA Disorazole DMSO Run2	NM_0224 67	CHST8	carbohydrate (N-acetylgalactosamine 4-0) sulfotransferase 8	0.994119	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_022467	CHST8	carbohydrate (N-acetylgalactosamine 4-0) sulfotransferase 8	1.189937	Inlier
siRNA-Temozolomide Run2-DMSO	NM_031422	CHST9	carbohydrate (N-acetylgalactosamine 4-0) sulfotransferase 9	-1.419446	Inlier
siRNA-Vinblastine Run2-DMSO	NM_031422	CHST9	carbohydrate (N-acetylgalactosamine 4-0) sulfotransferase 9	-0.53879	Inlier
siRNA-Temozolomide Run3-DMSO	NM_031422	CHST9	carbohydrate (N-acetylgalactosamine 4-0) sulfotransferase 9	-0.205891	Inlier
siRNA-Temozolomide Run1-DMSO	NM_031422	CHST9	carbohydrate (N-acetylgalactosamine 4-0) sulfotransferase 9	-0.148814	Inlier
siRNA Disorazole DMSO Run1	NM_031422	CHST9	carbohydrate (N-acetylgalactosamine 4-0) sulfotransferase 9	0.148814	Inlier
siRNA Disorazole DMSO Run3	NM_031422	CHST9	carbohydrate (N-acetylgalactosamine 4-0) sulfotransferase 9	0.81021	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0314 22	CHST9	carbohydrate (N-acetylgalactosamine 4-0) sulfotransferase 9	3.345883	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0314 22	CHST9	carbohydrate (N-acetylgalactosamine 4-0) sulfotransferase 9	3.600456	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0012 78	CHUK	conserved helix-loop-helix ubiquitous kinase	-1.904783	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0012 78	CHUK	conserved helix-loop-helix ubiquitous kinase	-1.331437	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0012 78	CHUK	conserved helix-loop-helix ubiquitous kinase	-0.354787	Inlier
siRNA Disorazole DMSO Run3	NM_0012 78	CHUK	conserved helix-loop-helix ubiquitous kinase	-0.168978	Inlier
siRNA Disorazole DMSO Run2	NM_0012 78	CHUK	conserved helix-loop-helix ubiquitous kinase	0.168978	Inlier
siRNA Disorazole DMSO Run1	NM_0012 78	CHUK	conserved helix-loop-helix ubiquitous kinase	0.641806	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0012 78	CHUK	ubiquitous kinase	0.707194	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Description	Log Fold Change	Outlier Status
siRNA-Vinblastine Run1-DMSO	NM_001278	CHUK	conserved helix-loop-helix ubiquitous kinase	1.338708	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006383	CIB2	calcium and integrin binding family member 2	-1.674136	Inlier
siRNA Disorazole DMSO Run1	NM_006383	CIB2	calcium and integrin binding family member 2	-0.57057	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006383	CIB2	calcium and integrin binding family member 2	-0.488407	Inlier
siRNA Disorazole DMSO Run2	NM_006383	CIB2	calcium and integrin binding family member 2	-0.132752	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006383	CIB2	calcium and integrin binding family member 2	0.132752	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006383	CIB2	calcium and integrin binding family member 2	0.77843	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006383	CIB2	calcium and integrin binding family member 2	1.01806	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Accession	Family	Score	Outlier
siRNA Disorazole DMSO Run3	NM_0063	83	CIB2	1.600308	Inlier
siRNA Disorazole DMSO Run2	NM_0541	13	CIB3	-1.88772	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0541	13	CIB3	-1.437868	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0541	13	CIB3	-0.94638	Inlier
siRNA Disorazole DMSO Run1	NM_0541	13	CIB3	-0.004686	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0541	13	CIB3	0.004687	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0541	13	CIB3	0.365801	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0541	13	CIB3	0.40262	Inlier

calcium
and
integrin
binding
family

member 2

calcium
and
integrin
binding
family

member 3

calcium
and
integrin
binding
family

member 3

calcium
and
integrin
binding
family

member 3

calcium
and
integrin
binding
family

member 3

calcium
and
integrin
binding
family

member 3

calcium
and
integrin
binding
family

member 3

calcium
and
integrin
binding
family

member 3

calcium
and
integrin
binding
family

member 3

calcium
and
integrin
binding
family

member 3

calcium
and
integrin
binding
family

member 3

calcium
and
integrin
binding
family

member 3

calcium
and
integrin
binding
family

member 3

calcium
and
integrin
binding
family

member 3

calcium
and
integrin
binding
family

member 3

calcium
and
integrin
binding
family

member 3

calcium
and
integrin
binding
family

member 3

calcium
and
integrin
binding
family

member 3

calcium
and
integrin
binding
family

member 3

calcium
and
integrin
binding
family

member 3

calcium
and
integrin
binding
family

member 3

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0541 13	CIB3	calcium and integrin binding family member 3	2.087256	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0036 13	CILP	cartilage intermediate layer protein, nucleotide pyrophosphohydrolase	-0.9038	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0036 13	CILP	cartilage intermediate layer protein, nucleotide pyrophosphohydrolase	-0.834305	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0036 13	CILP	cartilage intermediate layer protein, nucleotide pyrophosphohydrolase	-0.514695	Inlier
siRNA Disorazole DMSO Run3	NM_0036 13	CILP	cartilage intermediate layer protein, nucleotide pyrophosphohydrolase	-0.085834	Inlier
siRNA Disorazole DMSO Run1	NM_0036 13	CILP	cartilage intermediate layer protein, nucleotide pyrophosphohydrolase	0.085833	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_003613	CILP	cartilage intermediate layer protein, nucleotide pyrophosphohydrolase	0.189505	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003613	CILP	cartilage intermediate layer protein, nucleotide pyrophosphohydrolase	1.516083	Inlier
siRNA Disorazole DMSO Run2	NM_003613	CILP	cartilage intermediate layer protein, nucleotide pyrophosphohydrolase	2.026043	Inlier
siRNA-Temozolomide Run3-DMSO	NM_007174	CIT	citron (rho-interacting, serine/threonine kinase 21)	-1.035946	Inlier
siRNA-Temozolomide Run2-DMSO	NM_007174	CIT	citron (rho-interacting, serine/threonine kinase 21)	-0.313054	Inlier
siRNA Disorazole DMSO Run3	NM_007174	CIT	citron (rho-interacting, serine/threonine kinase 21)	-0.221144	Inlier
siRNA-Temozolomide Run1-DMSO	NM_007174	CIT	citron (rho-interacting, serine/threonine kinase 21)	-0.194605	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0071 74	CIT	citron (rho-interacting , serine/threonine kinase 21)	0.194605	Inlier
siRNA Disorazole DMSO Run1	NM_0071 74	CIT	citron (rho-interacting , serine/threonine kinase 21)	5.714843	Outlier
siRNA-Vinblastine Run1-DMSO	NM_0071 74	CIT	citron (rho-interacting , serine/threonine kinase 21)	7.590771	Outlier
siRNA-Vinblastine Run2-DMSO	NM_0071 74	CIT	citron (rho-interacting , serine/threonine kinase 21)	8.596907	Outlier
siRNA Disorazole DMSO Run2	NM_0018 23	CKB	creatine kinase, brain	-2.431588	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0018 23	CKB	creatine kinase, brain	-2.35126	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0018 23	CKB	creatine kinase, brain	-0.498514	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0018 23	CKB	creatine kinase, brain	-0.148447	Inlier
siRNA Disorazole DMSO Run1	NM_0018 23	CKB	creatine kinase, brain	0.148446	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0018 23	CKB	creatine kinase, brain	0.287197	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0018 23	CKB	creatine kinase, brain	0.850486	Inlier
siRNA Disorazole DMSO Run3	NM_0018 23	CKB	creatine kinase, brain	1.033354	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0018 24	CKM	creatine kinase, muscle	-1.916883	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0018 24	CKM	creatine kinase, muscle	-1.010738	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0018 24	CKM	creatine kinase, muscle	-0.338262	Inlier
siRNA Disorazole DMSO Run1	NM_0018 24	CKM	creatine kinase, muscle	-0.013162	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0018 24	CKM	creatine kinase, muscle	0.013162	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0018 24	CKM	creatine kinase, muscle	0.284349	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0018 24	CKM	creatine kinase, muscle	1.234036	Inlier
siRNA Disorazole DMSO Run3	NM_0018 24	CKM	creatine kinase, muscle	1.990579	Inlier
siRNA Disorazole DMSO Run2	NM_0209 90	CKMT1	creatine kinase, mitochond rial 1 (ubiquitou s)	-1.52326	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0209 90	CKMT1	creatine kinase, mitochond rial 1 (ubiquitou s)	-1.102656	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0209 90	CKMT1	creatine kinase, mitochond rial 1 (ubiquitou s)	-0.629373	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0209 90	CKMT1	creatine kinase, mitochond rial 1 (ubiquitou s)	-0.248647	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0209 90	CKMT1	creatine kinase, mitochondrial 1 (ubiquitous)	0.248647	Inlier
siRNA Disorazole DMSO Run1	NM_0209 90	CKMT1	creatine kinase, mitochondrial 1 (ubiquitous)	0.453898	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0209 90	CKMT1	creatine kinase, mitochondrial 1 (ubiquitous)	0.719627	Inlier
siRNA Disorazole DMSO Run3	NM_0209 90	CKMT1	creatine kinase, mitochondrial 1 (ubiquitous)	1.042825	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0018 25	CKMT2	creatine kinase, mitochondrial 2 (sarcomeric)	-0.714172	Inlier
siRNA Disorazole DMSO Run2	NM_0018 25	CKMT2	creatine kinase, mitochondrial 2 (sarcomeric)	-0.634828	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0018 25	CKMT2	creatine kinase, mitochondrial 2 (sarcomeric)	-0.181628	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0018 25	CKMT2	creatine kinase, mitochondrial 2 (sarcomeric)	-0.094678	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0018 25	CKMT2	creatine kinase, mitochond rial 2 (sarcomeri c)	0.094678	Inlier
siRNA Disorazole DMSO Run1	NM_0018 25	CKMT2	creatine kinase, mitochond rial 2 (sarcomeri c)	0.733328	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0018 25	CKMT2	creatine kinase, mitochond rial 2 (sarcomeri c)	1.067026	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0018 25	CKMT2	creatine kinase, mitochond rial 2 (sarcomeri c)	1.607817	Inlier
siRNA Disorazole DMSO Run1	NM_0018 26	CKS1B	CDC28 protein kinase regulatory subunit 1B	-3.957902	Outlier
siRNA-Temozolomide Run2- DMSO	NM_0018 26	CKS1B	CDC28 protein kinase regulatory subunit 1B	-0.688298	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0018 26	CKS1B	CDC28 protein kinase regulatory subunit 1B	-0.660702	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0018 26	CKS1B	CDC28 protein kinase regulatory subunit 1B	-0.15603	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0018 26	CKS1B	CDC28 protein kinase regulatory subunit 1B	0.15603	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0018 26	CKS1B	CDC28 protein kinase regulatory subunit 1B	0.396929	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0018 26	CKS1B	CDC28 protein kinase regulatory subunit 1B	6.565272	Outlier
siRNA Disorazole DMSO Run2	NM_0018 26	CKS1B	CDC28 protein kinase regulatory subunit 1B	6.995006	Outlier
siRNA-Temozolomide Run3- DMSO	NM_0018 27	CKS2	CDC28 protein kinase regulatory subunit 2	-1.264676	Inlier
siRNA Disorazole DMSO Run3	NM_0018 27	CKS2	CDC28 protein kinase regulatory subunit 2	-0.68204	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0018 27	CKS2	CDC28 protein kinase regulatory subunit 2	-0.66696	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0018 27	CKS2	CDC28 protein kinase regulatory subunit 2	-0.345004	Inlier
siRNA Disorazole DMSO Run1	NM_0018 27	CKS2	CDC28 protein kinase regulatory subunit 2	0.345004	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Gene Symbol	Gene Description	Value	Category
siRNA-Temozolomide Run1-DMSO	NM_001827	CKS2	CDC28 protein kinase regulatory subunit 2	0.565234	Inlier	
siRNA-Vinblastine Run1-DMSO	NM_001827	CKS2	CDC28 protein kinase regulatory subunit 2	0.894161	Inlier	
siRNA Disorazole DMSO Run2	NM_001827	CKS2	CDC28 protein kinase regulatory subunit 2	1.227211	Inlier	
siRNA-Temozolomide Run3-DMSO	NM_001285	CLCA1	chloride channel, calcium activated, family member 1	-2.720167	Inlier	
siRNA Disorazole DMSO Run1	NM_001285	CLCA1	chloride channel, calcium activated, family member 1	-1.578505	Inlier	
siRNA-Temozolomide Run2-DMSO	NM_001285	CLCA1	chloride channel, calcium activated, family member 1	-0.972352	Inlier	
siRNA-Temozolomide Run1-DMSO	NM_001285	CLCA1	chloride channel, calcium activated, family member 1	-0.006474	Inlier	
siRNA Disorazole DMSO Run3	NM_001285	CLCA1	chloride channel, calcium activated, family member 1	0.006474	Inlier	
siRNA Disorazole DMSO Run2	NM_001285	CLCA1	chloride channel, calcium activated, family member 1	0.159879	Inlier	

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_001285	CLCA1	chloride channel, calcium activated, family member 1	0.528014	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001285	CLCA1	chloride channel, calcium activated, family member 1	0.820986	Inlier
siRNA Disorazole DMSO Run2	NM_006536	CLCA2	chloride channel, calcium activated, family member 2	-2.288031	Inlier
siRNA Disorazole DMSO Run3	NM_006536	CLCA2	chloride channel, calcium activated, family member 2	-1.61315	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006536	CLCA2	chloride channel, calcium activated, family member 2	-0.653414	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006536	CLCA2	chloride channel, calcium activated, family member 2	-0.007475	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006536	CLCA2	chloride channel, calcium activated, family member 2	0.007474	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006536	CLCA2	chloride channel, calcium activated, family member 2	0.400199	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0065 36	CLCA2	chloride channel, calcium activated, family member 2	0.695586	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0065 36	CLCA2	chloride channel, calcium activated, family member 2	0.955223	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0049 21	CLCA3	chloride channel, calcium activated, family member 3	-1.761241	Inlier
siRNA Disorazole DMSO Run3	NM_0049 21	CLCA3	chloride channel, calcium activated, family member 3	-1.168771	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0049 21	CLCA3	chloride channel, calcium activated, family member 3	-0.713533	Inlier
siRNA Disorazole DMSO Run1	NM_0049 21	CLCA3	chloride channel, calcium activated, family member 3	-0.049356	Inlier
siRNA Disorazole DMSO Run2	NM_0049 21	CLCA3	chloride channel, calcium activated, family member 3	0.049356	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0049 21	CLCA3	chloride channel, calcium activated, family member 3	0.491392	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0049 21	CLCA3	chloride channel, calcium activated, family member 3	0.635467	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0049 21	CLCA3	chloride channel, calcium activated, family member 3	0.848319	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0121 28	CLCA4	chloride channel, calcium activated, family member 4	-1.409953	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0121 28	CLCA4	chloride channel, calcium activated, family member 4	-0.916397	Inlier
siRNA Disorazole DMSO Run2	NM_0121 28	CLCA4	chloride channel, calcium activated, family member 4	-0.790274	Inlier
siRNA Disorazole DMSO Run3	NM_0121 28	CLCA4	chloride channel, calcium activated, family member 4	-0.447253	Inlier
siRNA Disorazole DMSO Run1	NM_0121 28	CLCA4	chloride channel, calcium activated, family member 4	0.447253	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0121 28	CLCA4	chloride channel, calcium activated, family member 4	0.502241	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0121 28	CLCA4	chloride channel, calcium activated, family member 4	0.558726	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0121 28	CLCA4	chloride channel, calcium activated, family member 4	0.888242	Inlier
siRNA Disorazole DMSO Run2	NM_0000 83	CLCN1	chloride channel 1, skeletal muscle (Thomsen disease, autosomal dominant)	-1.473555	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0000 83	CLCN1	chloride channel 1, skeletal muscle (Thomsen disease, autosomal dominant)	-1.450896	Inlier
siRNA Disorazole DMSO Run3	NM_0000 83	CLCN1	chloride channel 1, skeletal muscle (Thomsen disease, autosomal dominant)	-1.096602	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0000 83	CLCN1	chloride channel 1, skeletal muscle (Thomsen disease, autosomal dominant)	-0.025299	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_000083	CLCN1	chloride channel 1, skeletal muscle (Thomsen disease, autosomal dominant)	0.025299	Inlier
siRNA Disorazole DMSO Run1	NM_000083	CLCN1	chloride channel 1, skeletal muscle (Thomsen disease, autosomal dominant)	0.244035	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000083	CLCN1	chloride channel 1, skeletal muscle (Thomsen disease, autosomal dominant)	0.604243	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000083	CLCN1	chloride channel 1, skeletal muscle (Thomsen disease, autosomal dominant)	0.744757	Inlier
siRNA Disorazole DMSO Run2	NM_004366	CLCN2	chloride channel 2	-1.188014	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004366	CLCN2	chloride channel 2	-1.129908	Inlier
siRNA Disorazole DMSO Run3	NM_004366	CLCN2	chloride channel 2	-0.676073	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004366	CLCN2	chloride channel 2	-0.23738	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004366	CLCN2	chloride channel 2	0.237379	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004366	CLCN2	chloride channel 2	0.550132	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA-Vinblastine Run1- DMSO	NM_0043 66	CLCN2	chloride channel 2	0.672927	Inlier
	NM_0043		chloride		
siRNA Disorazole DMSO Run1	66	CLCN2	channel 2	0.809116	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1738 72	CLCN3	chloride channel 3	-0.834436	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1738 72	CLCN3	chloride channel 3	-0.514565	Inlier
	NM_1738		chloride		
siRNA Disorazole DMSO Run3	72	CLCN3	channel 3	-0.278638	Inlier
	NM_1738		chloride		
siRNA Disorazole DMSO Run2	72	CLCN3	channel 3	-0.043956	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1738 72	CLCN3	chloride channel 3	0.043957	Inlier
	NM_1738		chloride		
siRNA Disorazole DMSO Run1	72	CLCN3	channel 3	0.874679	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1738 72	CLCN3	chloride channel 3	3.342071	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1738 72	CLCN3	chloride channel 3	5.128082	Outlier
	NM_0018		chloride		
siRNA Disorazole DMSO Run2	30	CLCN4	channel 4	-1.688531	Inlier
	NM_0018		chloride		
siRNA Disorazole DMSO Run3	30	CLCN4	channel 4	-1.008355	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0018 30	CLCN4	chloride channel 4	-0.885221	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0018 30	CLCN4	chloride channel 4	-0.479283	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0018 30	CLCN4	chloride channel 4	0.479282	Inlier
	NM_0018		chloride		
siRNA Disorazole DMSO Run1	30	CLCN4	channel 4	0.641752	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0018 30	CLCN4	chloride channel 4	0.663439	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0018 30	CLCN4	chloride channel 4	0.685561	Inlier
			chloride		
			channel 5 (nephrolithiasis 2, X-linked,		
siRNA-Temozolomide Run2- DMSO	NM_0000 84	CLCN5	Dent disease)	-0.780226	Inlier
			chloride		
			channel 5 (nephrolithiasis 2, X-linked,		
			Dent		
siRNA-Temozolomide Run3- DMSO	NM_0000 84	CLCN5	disease)	-0.689856	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0000 84	CLCN5	chloride channel 5 (nephrolithiasis 2, X-linked, Dent disease)	-0.659144	Inlier
siRNA Disorazole DMSO Run2	NM_0000 84	CLCN5	chloride channel 5 (nephrolithiasis 2, X-linked, Dent disease)	-0.327504	Inlier
siRNA Disorazole DMSO Run1	NM_0000 84	CLCN5	chloride channel 5 (nephrolithiasis 2, X-linked, Dent disease)	0.327504	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0000 84	CLCN5	chloride channel 5 (nephrolithiasis 2, X-linked, Dent disease)	0.487739	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0000 84	CLCN5	chloride channel 5 (nephrolithiasis 2, X-linked, Dent disease)	1.494385	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0000 84	CLCN5	chloride channel 5 (nephrolithiasis 2, X-linked, Dent disease)	1.634592	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0217 37	CLCN6	chloride channel 6	-3.241827	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0217 37	CLCN6	chloride channel 6	-0.864976	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0217 37	CLCN6	chloride channel 6	-0.329911	Inlier
siRNA Disorazole DMSO Run1	NM_0217 37	CLCN6	chloride channel 6	-0.249527	Inlier
siRNA Disorazole DMSO Run3	NM_0217 37	CLCN6	chloride channel 6	0.249528	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA Treatment	Gene	Channel	Value	Inlier	
siRNA-Vinblastine Run1- DMSO	NM_0217 37	CLCN6	chloride channel 6	0.579888	Inlier
siRNA Disorazole DMSO Run2	NM_0217 37	CLCN6	chloride channel 6	0.769112	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0217 37	CLCN6	chloride channel 6	1.050044	Inlier
siRNA Disorazole DMSO Run1	NM_0012 87	CLCN7	chloride channel 7	-0.819341	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0012 87	CLCN7	chloride channel 7	-0.541204	Inlier
siRNA Disorazole DMSO Run3	NM_0012 87	CLCN7	chloride channel 7	-0.130601	Inlier
siRNA Disorazole DMSO Run2	NM_0012 87	CLCN7	chloride channel 7	-0.089203	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0012 87	CLCN7	chloride channel 7	0.089203	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0012 87	CLCN7	chloride channel 7	0.807796	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0012 87	CLCN7	chloride channel 7	1.127181	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0012 87	CLCN7	chloride channel 7	1.315922	Inlier
siRNA Disorazole DMSO Run3	NM_0040 70	CLCNKA	chloride channel Ka	-0.902795	Inlier
siRNA Disorazole DMSO Run2	NM_0040 70	CLCNKA	chloride channel Ka	-0.782492	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0040 70	CLCNKA	chloride channel Ka	-0.31218	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0040 70	CLCNKA	chloride channel Ka	-0.286075	Inlier
siRNA Disorazole DMSO Run1	NM_0040 70	CLCNKA	chloride channel Ka	0.286075	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0040 70	CLCNKA	chloride channel Ka	0.581005	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0040 70	CLCNKA	chloride channel Ka	0.767995	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0040 70	CLCNKA	chloride channel Ka	1.694458	Inlier
siRNA Disorazole DMSO Run1	NM_0000 85	CLCNKB	chloride channel Kb	-0.9335	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0000 85	CLCNKB	chloride channel Kb	-0.4155	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_000085	CLCNKB	chloride channel Kb	-0.168905	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000085	CLCNKB	chloride channel Kb	-0.115686	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000085	CLCNKB	chloride channel Kb	0.115687	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000085	CLCNKB	chloride channel Kb	0.978775	Inlier
siRNA Disorazole DMSO Run3	NM_000085	CLCNKB	chloride channel Kb	1.071197	Inlier
siRNA Disorazole DMSO Run2	NM_000085	CLCNKB	chloride channel Kb	2.291569	Inlier
siRNA-Temozolomide Run2-DMSO	NM_130441	CLECSF7	C-type (calcium dependent, carbohydrate-recognition domain) lectin, superfamily member 7	-0.99679	Inlier
siRNA-Temozolomide Run3-DMSO	NM_130441	CLECSF7	C-type (calcium dependent, carbohydrate-recognition domain) lectin, superfamily member 7	-0.854255	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Drug	Run	Gene	Gene ID	Gene Description	Score	Outlier
siRNA Disorazole	DMSO	Run3	CLECSF7	NM_130441	C-type (calcium dependent), carbohydrate-recognition domain) lectin, superfamily member	-0.494745	Inlier
siRNA-Vinblastine	DMSO	Run2	CLECSF7	NM_130441	C-type (calcium dependent), carbohydrate-recognition domain) lectin, superfamily member	-0.057479	Inlier
siRNA-Temozolomide	DMSO	Run1	CLECSF7	NM_130441	C-type (calcium dependent), carbohydrate-recognition domain) lectin, superfamily member	0.057479	Inlier
siRNA Disorazole	DMSO	Run1	CLECSF7	NM_130441	C-type (calcium dependent), carbohydrate-recognition domain) lectin, superfamily member	0.37693	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Gene ID	Log Fold Change	Outlier Status	Gene Description
siRNA Disorazole DMSO Run2	CLECSF7	NM_1304	7	2.280529	Inlier	C-type (calcium dependent), carbohydrate-recognition domain) lectin, superfamily member
siRNA-Vinblastine Run1-DMSO	CLECSF7	NM_1304	7	3.351118	Inlier	C-type (calcium dependent), carbohydrate-recognition domain) lectin, superfamily member
siRNA-Temozolomide Run3-DMSO	CLIC1	NM_0012	1	-1.258084	Inlier	chloride intracellular channel
siRNA Disorazole DMSO Run3	CLIC1	NM_0012	1	-1.223395	Inlier	chloride intracellular channel
siRNA Disorazole DMSO Run1	CLIC1	NM_0012	1	-0.53269	Inlier	chloride intracellular channel
siRNA-Temozolomide Run2-DMSO	CLIC1	NM_0012	1	-0.475242	Inlier	chloride intracellular channel
siRNA-Vinblastine Run2-DMSO	CLIC1	NM_0012	1	0.475243	Inlier	chloride intracellular channel
siRNA-Temozolomide Run1-DMSO	CLIC1	NM_0012	1	0.650684	Inlier	chloride intracellular channel
siRNA-Vinblastine Run1-DMSO	CLIC1	NM_0012	1	0.698316	Inlier	chloride intracellular channel

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

				chloride intracellular channel	
siRNA Disorazole DMSO Run2	NM_0012 88	CLIC1	1	1.281277	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0012 89	CLIC2	2	-1.182942	Inlier
siRNA Disorazole DMSO Run2	NM_0012 89	CLIC2	2	-0.816956	Inlier
siRNA Disorazole DMSO Run3	NM_0012 89	CLIC2	2	-0.410762	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0012 89	CLIC2	2	-0.183041	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0012 89	CLIC2	2	0.183041	Inlier
siRNA Disorazole DMSO Run1	NM_0012 89	CLIC2	2	0.532044	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0012 89	CLIC2	2	1.779771	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0012 89	CLIC2	2	2.027228	Inlier
siRNA Disorazole DMSO Run1	NM_0046 69	CLIC3	3	-1.585366	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0046 69	CLIC3	3	-1.06289	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0046 69	CLIC3	3	-1.055462	Inlier
siRNA Disorazole DMSO Run3	NM_0046 69	CLIC3	3	-0.036579	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0046 69	CLIC3	chloride intracellular channel 3	0.036579	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0046 69	CLIC3	chloride intracellular channel 3	0.224102	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0046 69	CLIC3	chloride intracellular channel 3	0.293538	Inlier
siRNA Disorazole DMSO Run2	NM_0046 69	CLIC3	chloride intracellular channel 3	1.694368	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0139 43	CLIC4	chloride intracellular channel 4	-1.15574	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0139 43	CLIC4	chloride intracellular channel 4	-0.852938	Inlier
siRNA Disorazole DMSO Run2	NM_0139 43	CLIC4	chloride intracellular channel 4	-0.846494	Inlier
siRNA Disorazole DMSO Run3	NM_0139 43	CLIC4	chloride intracellular channel 4	-0.112287	Inlier
siRNA Disorazole DMSO Run1	NM_0139 43	CLIC4	chloride intracellular channel 4	0.112286	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0139 43	CLIC4	chloride intracellular channel 4	0.114645	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0139 43	CLIC4	chloride intracellular channel 4	0.502506	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0139 43	CLIC4	chloride intracellular channel 4	0.968937	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0169 29	CLIC5	chloride intracellular channel 5	-1.982497	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			chloride intracellular channel		
siRNA Disorazole DMSO Run2	NM_0169 29	CLIC5	5	-1.046261	Inlier
			chloride intracellular channel		
siRNA Disorazole DMSO Run3	NM_0169 29	CLIC5	5	-0.904034	Inlier
			chloride intracellular channel		
siRNA Disorazole DMSO Run1	NM_0169 29	CLIC5	5	-0.149624	Inlier
			chloride intracellular channel		
siRNA-Temozolomide Run1-DMSO	NM_0169 29	CLIC5	5	0.149624	Inlier
			chloride intracellular channel		
siRNA-Vinblastine Run2-DMSO	NM_0169 29	CLIC5	5	0.408535	Inlier
			chloride intracellular channel		
siRNA-Temozolomide Run2-DMSO	NM_0169 29	CLIC5	5	0.444966	Inlier
			chloride intracellular channel		
siRNA-Vinblastine Run1-DMSO	NM_0169 29	CLIC5	5	1.182766	Inlier
			CDC-like kinase 1		
siRNA Disorazole DMSO Run2	NM_0040 71	CLK1	1	-3.12296	Inlier
			CDC-like kinase 1		
siRNA-Temozolomide Run1-DMSO	NM_0040 71	CLK1	1	-1.282756	Inlier
			CDC-like kinase 1		
siRNA-Temozolomide Run2-DMSO	NM_0040 71	CLK1	1	-0.588013	Inlier
			CDC-like kinase 1		
siRNA-Temozolomide Run3-DMSO	NM_0040 71	CLK1	1	-0.141773	Inlier
			CDC-like kinase 1		
siRNA Disorazole DMSO Run3	NM_0040 71	CLK1	1	0.141773	Inlier
			CDC-like kinase 1		
siRNA Disorazole DMSO Run1	NM_0040 71	CLK1	1	0.296355	Inlier
			CDC-like kinase 1		
siRNA-Vinblastine Run1-DMSO	NM_0040 71	CLK1	1	0.760987	Inlier
			CDC-like kinase 1		
siRNA-Vinblastine Run2-DMSO	NM_0040 71	CLK1	1	0.887291	Inlier
			CDC-like kinase 2		
siRNA Disorazole DMSO Run2	NM_0012 91	CLK2	2	-3.156947	Inlier
			CDC-like kinase 2		
siRNA Disorazole DMSO Run1	NM_0012 91	CLK2	2	-0.996455	Inlier
			CDC-like kinase 2		
siRNA-Temozolomide Run1-DMSO	NM_0012 91	CLK2	2	-0.661909	Inlier
			CDC-like kinase 2		
siRNA-Temozolomide Run3-DMSO	NM_0012 91	CLK2	2	-0.168537	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA Treatment	Gene	Gene ID	Gene Family	Value	Outlier Status
siRNA-Temozolomide Run2- DMSO	CLK2	NM_0012 91	CDC-like kinase 2	0.168537	Inlier
siRNA Disorazole DMSO Run3	CLK2	NM_0012 91	CDC-like kinase 2	0.387132	Inlier
siRNA-Vinblastine Run1- DMSO	CLK2	NM_0012 91	CDC-like kinase 2	0.687091	Inlier
siRNA-Vinblastine Run2- DMSO	CLK2	NM_0012 91	CDC-like kinase 2	3.671967	Outlier
siRNA-Vinblastine Run1- DMSO	CLK3	NM_0012 92	CDC-like kinase 3	-0.868703	Inlier
siRNA Disorazole DMSO Run2	CLK3	NM_0012 92	CDC-like kinase 3	-0.835512	Inlier
siRNA-Temozolomide Run1- DMSO	CLK3	NM_0012 92	CDC-like kinase 3	-0.759183	Inlier
siRNA-Temozolomide Run3- DMSO	CLK3	NM_0012 92	CDC-like kinase 3	-0.297884	Inlier
siRNA Disorazole DMSO Run3	CLK3	NM_0012 92	CDC-like kinase 3	0.297884	Inlier
siRNA-Temozolomide Run2- DMSO	CLK3	NM_0012 92	CDC-like kinase 3	0.54769	Inlier
siRNA Disorazole DMSO Run1	CLK3	NM_0012 92	CDC-like kinase 3	0.589817	Inlier
siRNA-Vinblastine Run2- DMSO	CLK3	NM_0012 92	CDC-like kinase 3	3.659689	Outlier
siRNA-Temozolomide Run2- DMSO	CLK4	NM_0206 66	CDC-like kinase 4	-1.279779	Inlier
siRNA-Temozolomide Run1- DMSO	CLK4	NM_0206 66	CDC-like kinase 4	-0.88232	Inlier
siRNA-Temozolomide Run3- DMSO	CLK4	NM_0206 66	CDC-like kinase 4	-0.43511	Inlier
siRNA Disorazole DMSO Run1	CLK4	NM_0206 66	CDC-like kinase 4	-0.111371	Inlier
siRNA Disorazole DMSO Run2	CLK4	NM_0206 66	CDC-like kinase 4	0.111371	Inlier
siRNA Disorazole DMSO Run3	CLK4	NM_0206 66	CDC-like kinase 4	0.46668	Inlier
siRNA-Vinblastine Run1- DMSO	CLK4	NM_0206 66	CDC-like kinase 4	2.316555	Inlier
siRNA-Vinblastine Run2- DMSO	CLK4	NM_0206 66	CDC-like kinase 4	2.541646	Inlier
siRNA-Temozolomide Run3- DMSO	CLN2	NM_0003 91	tripeptidyl peptidase I	-2.011097	Inlier
siRNA-Temozolomide Run2- DMSO	CLN2	NM_0003 91	tripeptidyl peptidase I	-1.029143	Inlier
siRNA-Temozolomide Run1- DMSO	CLN2	NM_0003 91	tripeptidyl peptidase I	-0.225252	Inlier
siRNA Disorazole DMSO Run3	CLN2	NM_0003 91	tripeptidyl peptidase I	-0.049225	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Gene	Value	Outlier
siRNA Disorazole DMSO Run1	NM_0003	91	CLN2	0.049225	Inlier
siRNA Disorazole DMSO Run2	NM_0003	91	CLN2	0.494161	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0003	91	CLN2	0.854839	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0003	91	CLN2	1.621065	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0012	93	CLNS1A	-0.75048	Inlier
siRNA Disorazole DMSO Run2	NM_0012	93	CLNS1A	-0.59852	Inlier
siRNA Disorazole DMSO Run3	NM_0012	93	CLNS1A	-0.546942	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0012	93	CLNS1A	-0.321681	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0012	93	CLNS1A	0.321681	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0012	93	CLNS1A	1.259612	Inlier
siRNA Disorazole DMSO Run1	NM_0012	93	CLNS1A	1.279676	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0012	93	CLNS1A	1.628042	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	CLPP	Gene Name	Score	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006012	CLPP	ClpP caseinolytic protease, ATP-dependent, proteolytic subunit homolog (E. coli)	-0.815735	Inlier
siRNA Disorazole DMSO Run2	NM_006012	CLPP	ClpP caseinolytic protease, ATP-dependent, proteolytic subunit homolog (E. coli)	-0.793872	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006012	CLPP	ClpP caseinolytic protease, ATP-dependent, proteolytic subunit homolog (E. coli)	-0.413799	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006012	CLPP	ClpP caseinolytic protease, ATP-dependent, proteolytic subunit homolog (E. coli)	-0.136487	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

				ClpP caseinolyti c protease, ATP- dependent , proteolytic subunit homolog (E. coli)	0.136487	Inlier
siRNA Disorazole DMSO Run3	NM_0060 12	CLPP		ClpP caseinolyti c protease, ATP- dependent , proteolytic subunit homolog (E. coli)	0.555128	Inlier
siRNA Disorazole DMSO Run1	NM_0060 12	CLPP		ClpP caseinolyti c protease, ATP- dependent , proteolytic subunit homolog (E. coli)	1.437587	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0060 12	CLPP		ClpP caseinolyti c protease, ATP- dependent , proteolytic subunit homolog (E. coli)	2.188029	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0060 12	CLPP		colipase, pancreatic	-2.52563	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0018 32	CLPS		colipase, pancreatic	-1.111188	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0018 32	CLPS				

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0018 32	CLPS	colipase, pancreatic	-0.237812	Inlier
siRNA Disorazole DMSO Run1	NM_0018 32	CLPS	colipase, pancreatic	-0.076865	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0018 32	CLPS	colipase, pancreatic	0.076865	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0018 32	CLPS	colipase, pancreatic	0.086839	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0018 32	CLPS	colipase, pancreatic	1.454488	Inlier
siRNA Disorazole DMSO Run2	NM_0018 32	CLPS	colipase, pancreatic	2.403319	Inlier
siRNA Disorazole DMSO Run2	NM_0066 60	CLPX	ClpX caseinolyti c protease X homolog (E. coli)	-0.914213	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0066 60	CLPX	ClpX caseinolyti c protease X homolog (E. coli)	-0.684344	Inlier
siRNA Disorazole DMSO Run1	NM_0066 60	CLPX	ClpX caseinolyti c protease X homolog (E. coli)	-0.425209	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0066 60	CLPX	ClpX caseinolyti c protease X homolog (E. coli)	-0.007533	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_006660	CLPX	ClpX caseinolytic protease X homolog (E. coli)	0.007533	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006660	CLPX	ClpX caseinolytic protease X homolog (E. coli)	0.664656	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006660	CLPX	ClpX caseinolytic protease X homolog (E. coli)	1.025666	Inlier
siRNA Disorazole DMSO Run3	NM_006660	CLPX	ClpX caseinolytic protease X homolog (E. coli)	1.400575	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001836	CMA1	chymase 1, mast cell	-0.852747	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001836	CMA1	chymase 1, mast cell	-0.829786	Inlier
siRNA Disorazole DMSO Run2	NM_001836	CMA1	chymase 1, mast cell	-0.519214	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001836	CMA1	chymase 1, mast cell	-0.100839	Inlier
siRNA Disorazole DMSO Run1	NM_001836	CMA1	chymase 1, mast cell	0.100839	Inlier
siRNA Disorazole DMSO Run3	NM_001836	CMA1	chymase 1, mast cell	0.261374	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001836	CMA1	chymase 1, mast cell	1.427721	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001836	CMA1	chymase 1, mast cell	1.714559	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0186 86	CMAS	cytidine monophos phate N- acetylneur aminic acid synthetase	-1.30832	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0186 86	CMAS	cytidine monophos phate N- acetylneur aminic acid synthetase	-0.730541	Inlier
siRNA Disorazole DMSO Run3	NM_0186 86	CMAS	cytidine monophos phate N- acetylneur aminic acid synthetase	-0.493839	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0186 86	CMAS	cytidine monophos phate N- acetylneur aminic acid synthetase	-0.461848	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0186 86	CMAS	cytidine monophos phate N- acetylneur aminic acid synthetase	0.461848	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0186 86	CMAS	cytidine monophos phate N- acetylneur aminic acid synthetase	0.618459	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0186 86	CMAS	cytidine monophosphate N-acetylneuraminic acid synthetase	3.369362	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0186 86	CMAS	cytidine monophosphate N-acetylneuraminic acid synthetase	4.172605	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0040 72	CMKLR1	chemokine-like receptor 1	-1.002876	Inlier
siRNA Disorazole DMSO Run2	NM_0040 72	CMKLR1	chemokine-like receptor 1	-0.346124	Inlier
siRNA Disorazole DMSO Run3	NM_0040 72	CMKLR1	chemokine-like receptor 1	-0.245803	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0040 72	CMKLR1	chemokine-like receptor 1	-0.146386	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0040 72	CMKLR1	chemokine-like receptor 1	0.146386	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0040 72	CMKLR1	chemokine-like receptor 1	1.322542	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0040 72	CMKLR1	chemokine-like receptor 1	1.514946	Inlier
siRNA Disorazole DMSO Run1	NM_0040 72	CMKLR1	chemokine orphan receptor 1	1.653162	Inlier
siRNA Disorazole DMSO Run1	NM_0203 11	CMKOR1	chemokine orphan receptor 1	-0.816593	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0203 11	CMKOR1	chemokine orphan receptor 1	-0.779784	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0203 11	CMKOR1	chemokine orphan receptor 1	-0.200484	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0203 11	CMKOR1	chemokine orphan receptor 1	-0.179842	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology siRNA-Temozolomide Run2- DMSO	NM_0203 11	CMKOR1	chemokine orphan receptor 1	0.179841	Inlier
siRNA Disorazole DMSO Run3	NM_0203 11	CMKOR1	chemokine orphan receptor 1	0.569216	Inlier
siRNA Disorazole DMSO Run2	NM_0203 11	CMKOR1	chemokine orphan receptor 1	0.845438	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0203 11	CMKOR1	chemokine orphan receptor 1	1.068205	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0163 47	CML2	CML2	-1.345458	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0163 47	CML2	CML2	-0.784296	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0163 47	CML2	CML2	-0.214962	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0163 47	CML2	CML2	-0.041599	Inlier
siRNA Disorazole DMSO Run3	NM_0163 47	CML2	CML2	0.041599	Inlier
siRNA Disorazole DMSO Run1	NM_0163 47	CML2	CML2	0.564704	Inlier
siRNA Disorazole DMSO Run2	NM_0163 47	CML2	CML2	2.359893	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0163 47	CML2	CML2	2.655339	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1536 10	CMYA5	cardiomyo pathy associated 5	-2.571331	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1536 10	CMYA5	cardiomyo pathy associated 5	-0.732766	Inlier
siRNA Disorazole DMSO Run1	NM_1536 10	CMYA5	cardiomyo pathy associated 5	-0.408339	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1536 10	CMYA5	cardiomyo pathy associated 5	-0.179205	Inlier
siRNA Disorazole DMSO Run3	NM_1536 10	CMYA5	cardiomyo pathy associated 5	0.179204	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1536 10	CMYA5	cardiomyo pathy associated 5	0.616234	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_1536 10	CMYA5	cardiomyo pathy associated 5	2.868995	Inlier
siRNA Disorazole DMSO Run2	NM_1536 10	CMYA5	cardiomyo pathy associated 5	3.20424	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0326 49	CNDP1	cardiomyo pathy associated 5 carnosine dipeptidas e 1 (metallope ptidase M20 family)	-0.686001	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0326 49	CNDP1	carnosine dipeptidas e 1 (metallope ptidase M20 family)	-0.662999	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0326 49	CNDP1	carnosine dipeptidas e 1 (metallope ptidase M20 family)	-0.449464	Inlier
siRNA Disorazole DMSO Run3	NM_0326 49	CNDP1	carnosine dipeptidas e 1 (metallope ptidase M20 family)	-0.135028	Inlier
siRNA Disorazole DMSO Run1	NM_0326 49	CNDP1	carnosine dipeptidas e 1 (metallope ptidase M20 family)	0.135028	Inlier
siRNA Disorazole DMSO Run2	NM_0326 49	CNDP1	carnosine dipeptidas e 1 (metallope ptidase M20 family)	0.818417	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0326 49	CNDP1	car nosine dipeptidas e 1 (metallope ptidase M20 family)	0.989793	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0326 49	CNDP1	car nosine dipeptidas e 1 (metallope ptidase M20 family) CNDP	1.76988	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0182 35	CNDP2	dipeptidas e 2 (metallope ptidase M20 family) CNDP	-0.921547	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0182 35	CNDP2	dipeptidas e 2 (metallope ptidase M20 family) CNDP	-0.731357	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0182 35	CNDP2	dipeptidas e 2 (metallope ptidase M20 family) CNDP	-0.468551	Inlier
siRNA Disorazole DMSO Run1	NM_0182 35	CNDP2	dipeptidas e 2 (metallope ptidase M20 family) CNDP	-0.031682	Inlier
siRNA Disorazole DMSO Run3	NM_0182 35	CNDP2	dipeptidas e 2 (metallope ptidase M20 family)	0.031682	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Value	Category
siRNA-Vinblastine Run2-DMSO	NM_018235	CNDP2	CNDP dipeptidase 2 (metallopeptidase M20 family)	0.617643	Inlier
siRNA Disorazole DMSO Run2	NM_018235	CNDP2	CNDP dipeptidase 2 (metallopeptidase M20 family)	0.88037	Inlier
siRNA-Vinblastine Run1-DMSO	NM_018235	CNDP2	CNDP dipeptidase 2 (metallopeptidase M20 family)	1.299892	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000087	CNGA1	cyclic nucleotide gated channel alpha 1	-0.773989	Inlier
siRNA Disorazole DMSO Run2	NM_000087	CNGA1	cyclic nucleotide gated channel alpha 1	-0.726692	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000087	CNGA1	cyclic nucleotide gated channel alpha 1	-0.622308	Inlier
siRNA Disorazole DMSO Run3	NM_000087	CNGA1	cyclic nucleotide gated channel alpha 1	-0.513685	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000087	CNGA1	cyclic nucleotide gated channel alpha 1	0.513685	Inlier
siRNA Disorazole DMSO Run1	NM_000087	CNGA1	cyclic nucleotide gated channel alpha 1	0.598724	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_000087	CNGA1	cyclic nucleotide gated channel alpha 1	0.815041	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000087	CNGA1	cyclic nucleotide gated channel alpha 1	1.116321	Inlier
siRNA Disorazole DMSO Run1	NM_001298	CNGA3	cyclic nucleotide gated channel alpha 3	-1.151529	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001298	CNGA3	cyclic nucleotide gated channel alpha 3	-0.926778	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001298	CNGA3	cyclic nucleotide gated channel alpha 3	-0.71432	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001298	CNGA3	cyclic nucleotide gated channel alpha 3	-0.176667	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001298	CNGA3	cyclic nucleotide gated channel alpha 3	0.176668	Inlier
siRNA Disorazole DMSO Run2	NM_001298	CNGA3	cyclic nucleotide gated channel alpha 3	0.235794	Inlier
siRNA Disorazole DMSO Run3	NM_001298	CNGA3	cyclic nucleotide gated channel alpha 3	0.63468	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001298	CNGA3	cyclic nucleotide gated channel alpha 3	0.804391	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0012 97	CNGB1	cyclic nucleotide gated channel beta 1	-2.245814	Inlier
siRNA Disorazole DMSO Run1	NM_0012 97	CNGB1	cyclic nucleotide gated channel beta 1	-0.746044	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0012 97	CNGB1	cyclic nucleotide gated channel beta 1	-0.601319	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0012 97	CNGB1	cyclic nucleotide gated channel beta 1	-0.067108	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0012 97	CNGB1	cyclic nucleotide gated channel beta 1	0.067108	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0012 97	CNGB1	cyclic nucleotide gated channel beta 1	0.602956	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0012 97	CNGB1	cyclic nucleotide gated channel beta 1	1.051212	Inlier
siRNA Disorazole DMSO Run3	NM_0012 97	CNGB1	cyclic nucleotide gated channel beta 1	1.631385	Inlier
siRNA Disorazole DMSO Run2	NM_0190 98	CNGB3	cyclic nucleotide gated channel beta 3	-1.085364	Inlier
siRNA Disorazole DMSO Run1	NM_0190 98	CNGB3	cyclic nucleotide gated channel beta 3	-0.998548	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0190 98	CNGB3	cyclic nucleotide gated channel beta 3	-0.287939	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0190 98	CNGB3	cyclic nucleotide gated channel beta 3	-0.22821	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0190 98	CNGB3	cyclic nucleotide gated channel beta 3	0.228209	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0190 98	CNGB3	cyclic nucleotide gated channel beta 3	0.350452	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0190 98	CNGB3	cyclic nucleotide gated channel beta 3	1.100379	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0190 98	CNGB3	cyclic nucleotide gated channel beta 3	1.187839	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0063 14	CNKSR1	connector enhancer of kinase suppressor of Ras 1	-1.380553	Inlier
siRNA Disorazole DMSO Run2	NM_0063 14	CNKSR1	connector enhancer of kinase suppressor of Ras 1	-1.269897	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0063 14	CNKSR1	connector enhancer of kinase suppressor of Ras 1	-0.516188	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0063 14	CNKSR1	connector enhancer of kinase suppresso r of Ras 1	-0.272037	Inlier
siRNA Disorazole DMSO Run1	NM_0063 14	CNKSR1	connector enhancer of kinase suppresso r of Ras 1	0.272037	Inlier
siRNA Disorazole DMSO Run3	NM_0063 14	CNKSR1	connector enhancer of kinase suppresso r of Ras 1	0.457452	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0063 14	CNKSR1	connector enhancer of kinase suppresso r of Ras 1	0.832812	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0063 14	CNKSR1	connector enhancer of kinase suppresso r of Ras 1	1.009361	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0331 33	CNP	2,3-cyclic nucleotide 3 phosphodi esterase	-1.017635	Inlier
siRNA Disorazole DMSO Run1	NM_0331 33	CNP	2,3-cyclic nucleotide 3 phosphodi esterase	-0.524194	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0331 33	CNP	2,3-cyclic nucleotide 3 phosphodi esterase	-0.119031	Inlier
siRNA Disorazole DMSO Run2	NM_0331 33	CNP	2,3-cyclic nucleotide 3 phosphodi esterase	-0.075008	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_033133	CNP	2,3-cyclic nucleotide 3 phosphodiesterase	0.075007	Inlier
siRNA-Vinblastine Run2-DMSO	NM_033133	CNP	2,3-cyclic nucleotide 3 phosphodiesterase	0.824805	Inlier
siRNA-Vinblastine Run1-DMSO	NM_033133	CNP	2,3-cyclic nucleotide 3 phosphodiesterase	1.061028	Inlier
siRNA Disorazole DMSO Run3	NM_033133	CNP	2,3-cyclic nucleotide 3 phosphodiesterase	3.805285	Outlier
siRNA-Temozolomide Run2-DMSO	NM_033181	CNR1	cannabinoid receptor 1 (brain)	-1.279629	Inlier
siRNA-Temozolomide Run3-DMSO	NM_033181	CNR1	cannabinoid receptor 1 (brain)	-0.934761	Inlier
siRNA Disorazole DMSO Run1	NM_033181	CNR1	cannabinoid receptor 1 (brain)	-0.210981	Inlier
siRNA-Temozolomide Run1-DMSO	NM_033181	CNR1	cannabinoid receptor 1 (brain)	-0.103417	Inlier
siRNA-Vinblastine Run2-DMSO	NM_033181	CNR1	cannabinoid receptor 1 (brain)	0.103417	Inlier
siRNA-Vinblastine Run1-DMSO	NM_033181	CNR1	cannabinoid receptor 1 (brain)	0.440934	Inlier
siRNA Disorazole DMSO Run2	NM_033181	CNR1	cannabinoid receptor 1 (brain)	0.908066	Inlier
siRNA Disorazole DMSO Run3	NM_033181	CNR1	cannabinoid receptor 1 (brain)	1.033804	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0018 41	CNR2	cannabinoid receptor 2 (macrophage)	-0.768505	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0018 41	CNR2	cannabinoid receptor 2 (macrophage)	-0.580495	Inlier
siRNA Disorazole DMSO Run2	NM_0018 41	CNR2	cannabinoid receptor 2 (macrophage)	-0.572241	Inlier
siRNA Disorazole DMSO Run3	NM_0018 41	CNR2	cannabinoid receptor 2 (macrophage)	-0.35099	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0018 41	CNR2	cannabinoid receptor 2 (macrophage)	0.350991	Inlier
siRNA Disorazole DMSO Run1	NM_0018 41	CNR2	cannabinoid receptor 2 (macrophage)	1.128759	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0018 41	CNR2	cannabinoid receptor 2 (macrophage)	1.411997	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0018 41	CNR2	ciliary neurotrophic factor receptor 2 (macrophage)	1.497071	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1471 64	CNTFR	ciliary neurotrophic factor receptor	-1.367551	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1471 64	CNTFR	ciliary neurotrophic factor receptor	-1.336933	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1471 64	CNTFR	ciliary neurotrophic factor receptor	-0.767388	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_1471 64	CNTFR	ciliary neurotrophic factor receptor	-0.190989	Inlier
siRNA Disorazole DMSO Run1	NM_1471 64	CNTFR	ciliary neurotrophic factor receptor	0.190989	Inlier
siRNA Disorazole DMSO Run3	NM_1471 64	CNTFR	ciliary neurotrophic factor receptor	0.43622	Inlier
siRNA Disorazole DMSO Run2	NM_1471 64	CNTFR	ciliary neurotrophic factor receptor	0.581612	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1471 64	CNTFR	ciliary neurotrophic factor receptor	0.940351	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0036 32	CNTNAP1	contactin associated protein 1	-1.758069	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0036 32	CNTNAP1	contactin associated protein 1	-0.594705	Inlier
siRNA Disorazole DMSO Run3	NM_0036 32	CNTNAP1	contactin associated protein 1	-0.126858	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0036 32	CNTNAP1	contactin associated protein 1	-0.0371	Inlier
siRNA Disorazole DMSO Run1	NM_0036 32	CNTNAP1	contactin associated protein 1	0.0371	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0036 32	CNTNAP1	contactin associated protein 1	0.754295	Inlier
siRNA Disorazole DMSO Run2	NM_0036 32	CNTNAP1	contactin associated protein 1	1.219241	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0036 32	CNTNAP1	contactin associated protein 1	1.811269	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0141 41	CNTNAP2	contactin associated protein-like 2	-1.504601	Inlier
siRNA Disorazole DMSO Run3	NM_0141 41	CNTNAP2	contactin associated protein-like 2	-0.356146	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0141 41	CNTNAP2	contactin associated protein-like 2	-0.112318	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0141 41	CNTNAP2	contactin associated protein-like 2	-0.047753	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0141 41	CNTNAP2	contactin associated protein-like 2	0.047753	Inlier
siRNA Disorazole DMSO Run1	NM_0141 41	CNTNAP2	contactin associated protein-like 2	0.992854	Inlier
siRNA Disorazole DMSO Run2	NM_0141 41	CNTNAP2	contactin associated protein-like 2	1.001984	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0141 41	CNTNAP2	contactin associated protein-like 2	1.031377	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1389 94	CNTNAP4	contactin associated protein-like 4	-1.141418	Inlier
siRNA Disorazole DMSO Run3	NM_1389 94	CNTNAP4	contactin associated protein-like 4	-0.726047	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1389 94	CNTNAP4	contactin associated protein-like 4	-0.110657	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1389 94	CNTNAP4	contactin associated protein-like 4	-0.01881	Inlier
siRNA Disorazole DMSO Run1	NM_1389 94	CNTNAP4	contactin associated protein-like 4	0.01881	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_1389 94	CNTNAP4	contactin associated protein-like 4	0.622953	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1389 94	CNTNAP4	contactin associated protein-like 4	1.981623	Inlier
siRNA Disorazole DMSO Run2	NM_1389 94	CNTNAP4	contactin associated protein-like 4 peptidylprolyl isomerase A	2.48649	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1782 30	COAS2	(cyclophilin A)-like 4 peptidylprolyl isomerase A	-1.194345	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1782 30	COAS2	(cyclophilin A)-like 4 peptidylprolyl isomerase A	-0.854833	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1782 30	COAS2	(cyclophilin A)-like 4 peptidylprolyl isomerase A	-0.494167	Inlier
siRNA Disorazole DMSO Run3	NM_1782 30	COAS2	(cyclophilin A)-like 4 peptidylprolyl isomerase A	-0.113982	Inlier
siRNA Disorazole DMSO Run1	NM_1782 30	COAS2	(cyclophilin A)-like 4 peptidylprolyl isomerase A	0.113982	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1782 30	COAS2	(cyclophilin A)-like 4	0.280642	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_1782 30	COAS2	peptidylprolyl isomerase A (cyclophilin A)-like 4	2.138959	Inlier
siRNA Disorazole DMSO Run2	NM_1782 30	COAS2	peptidylprolyl isomerase A (cyclophilin A)-like 4	2.46565	Inlier
siRNA Disorazole DMSO Run2	NM_0252 33	COASY	Coenzyme A synthase	-2.45575	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0252 33	COASY	Coenzyme A synthase	-0.715827	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0252 33	COASY	Coenzyme A synthase	-0.633173	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0252 33	COASY	Coenzyme A synthase	-0.030801	Inlier
siRNA Disorazole DMSO Run1	NM_0252 33	COASY	Coenzyme A synthase	0.030801	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0252 33	COASY	Coenzyme A synthase	0.379325	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0252 33	COASY	Coenzyme A synthase	1.689759	Inlier
siRNA Disorazole DMSO Run3	NM_0252 33	COASY	Coenzyme A synthase	2.411786	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0073 57	COG2	component of oligomeric golgi complex 2	-1.278609	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0073 57	COG2	component of oligomeric golgi complex 2	-0.266639	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0073 57	COG2	component of oligomeric golgi complex 2	-0.170307	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0073 57	COG2	component of oligomeric golgi complex 2	-0.009563	Inlier
siRNA Disorazole DMSO Run2	NM_0073 57	COG2	component of oligomeric golgi complex 2	0.009563	Inlier
siRNA Disorazole DMSO Run1	NM_0073 57	COG2	component of oligomeric golgi complex 2	1.082361	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0073 57	COG2	component of oligomeric golgi complex 2	2.480388	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0073 57	COG2	component of oligomeric golgi complex 2	2.503774	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0063 48	COG5	component of oligomeric golgi complex 5	-1.980816	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0063 48	COG5	component of oligomeric golgi complex 5	-0.904403	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0063 48	COG5	component of oligomeric golgi complex 5	-0.591346	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0063 48	COG5	component of oligomeric golgi complex 5	-0.277674	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0063 48	COG5	component of oligomeric golgi complex 5	0.277674	Inlier
siRNA Disorazole DMSO Run3	NM_0063 48	COG5	component of oligomeric golgi complex 5	0.360136	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0063 48	COG5	component of oligomeric golgi complex 5	0.757654	Inlier
siRNA Disorazole DMSO Run2	NM_0063 48	COG5	component of oligomeric golgi complex 5	0.814483	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0323 82	COG8	component of oligomeric golgi complex 8	-1.279496	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0323 82	COG8	component of oligomeric golgi complex 8	-0.829022	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0323 82	COG8	component of oligomeric golgi complex 8	-0.519978	Inlier
siRNA Disorazole DMSO Run3	NM_0323 82	COG8	component of oligomeric golgi complex 8	-0.301609	Inlier
siRNA Disorazole DMSO Run1	NM_0323 82	COG8	component of oligomeric golgi complex 8	0.301609	Inlier
siRNA Disorazole DMSO Run2	NM_0323 82	COG8	component of oligomeric golgi complex 8	0.463233	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0323 82	COG8	component of oligomeric golgi complex 8	0.979285	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0323 82	COG8	component of oligomeric golgi complex 8 collagen, type IV, alpha 3 (Goodpasture antigen)	1.268023	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0313 61	COL4A3BP	binding protein collagen, type IV, alpha 3 (Goodpasture antigen)	-1.398234	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0313 61	COL4A3BP	binding protein	-1.124027	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

				collagen, type IV, alpha 3 (Goodpast ure antigen) binding protein	
siRNA-Temozolomide Run1- DMSO	NM_0313 61	COL4A3B P		collagen, type IV, alpha 3 (Goodpast ure antigen) binding protein	-0.210374 Inlier
siRNA Disorazole DMSO Run3	NM_0313 61	COL4A3B P		collagen, type IV, alpha 3 (Goodpast ure antigen) binding protein	-0.080486 Inlier
siRNA Disorazole DMSO Run1	NM_0313 61	COL4A3B P		collagen, type IV, alpha 3 (Goodpast ure antigen) binding protein	0.080486 Inlier
siRNA Disorazole DMSO Run2	NM_0313 61	COL4A3B P		collagen, type IV, alpha 3 (Goodpast ure antigen) binding protein	0.39551 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0313 61	COL4A3B P		collagen, type IV, alpha 3 (Goodpast ure antigen) binding protein	0.95349 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0313 61	COL4A3B P		collagen, type IV, alpha 3 (Goodpast ure antigen) binding protein	1.1388 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0073 10	COMT		catechol-O- methyltran sferase	-1.142509 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0073 10	COMT	catechol-O- methyltran sferase	-0.77085	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0073 10	COMT	catechol-O- methyltran sferase	-0.57815	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0073 10	COMT	catechol-O- methyltran sferase	-0.083198	Inlier
siRNA Disorazole DMSO Run1	NM_0073 10	COMT	catechol-O- methyltran sferase	0.083198	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0073 10	COMT	catechol-O- methyltran sferase	0.273849	Inlier
siRNA Disorazole DMSO Run2	NM_0073 10	COMT	catechol-O- methyltran sferase	8.031831	Outlier
siRNA-Vinblastine Run1- DMSO	NM_0073 10	COMT	catechol-O- methyltran sferase	10.68922	Outlier
siRNA Disorazole DMSO Run1	NM_1445 89	COMTD1	catechol-O- methyltran sferase domain containing 1	-1.213861	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1445 89	COMTD1	catechol-O- methyltran sferase domain containing 1	-0.699615	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1445 89	COMTD1	catechol-O- methyltran sferase domain containing 1	-0.649385	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_1445 89	COMTD1	catechol-O-methyltransferase domain containing 1	-0.101229	Inlier
siRNA Disorazole DMSO Run3	NM_1445 89	COMTD1	catechol-O-methyltransferase domain containing 1	0.101229	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1445 89	COMTD1	catechol-O-methyltransferase domain containing 1	0.270338	Inlier
siRNA Disorazole DMSO Run2	NM_1445 89	COMTD1	catechol-O-methyltransferase domain containing 1	1.618881	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1445 89	COMTD1	catechol-O-methyltransferase domain containing 1	2.604206	Inlier
siRNA Disorazole DMSO Run3	NM_0174 21	COQ3	coenzyme Q3 homolog, methyltransferase (yeast) coenzyme Q3 homolog, methyltransferase (yeast)	-0.703375	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0174 21	COQ3	coenzyme Q3 homolog, methyltransferase (yeast)	-0.645625	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log2 Fold Change	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_0174 21	COQ3	coenzyme Q3 homolog, methyltransferase (yeast)	-0.591516	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0174 21	COQ3	coenzyme Q3 homolog, methyltransferase (yeast)	-0.248762	Inlier
siRNA Disorazole DMSO Run1	NM_0174 21	COQ3	coenzyme Q3 homolog, methyltransferase (yeast)	0.248762	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0174 21	COQ3	coenzyme Q3 homolog, methyltransferase (yeast)	1.377189	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0174 21	COQ3	coenzyme Q3 homolog, methyltransferase (yeast)	2.101576	Inlier
siRNA Disorazole DMSO Run2	NM_0174 21	COQ3	coenzyme Q3 homolog, methyltransferase (yeast)	2.527112	Inlier
siRNA Disorazole DMSO Run3	NM_1824 76	COQ6	coenzyme Q6 homolog (yeast)	-1.114371	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1824 76	COQ6	coenzyme Q6 homolog (yeast)	-0.891551	Inlier
siRNA Disorazole DMSO Run1	NM_1824 76	COQ6	coenzyme Q6 homolog (yeast)	-0.110255	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1824 76	COQ6	coenzyme Q6 homolog (yeast)	-0.072926	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			coenzyme Q6	
siRNA-Vinblastine Run2-DMSO	NM_1824 76	COQ6	homolog (yeast) coenzyme Q6	0.072926 Inlier
siRNA-Temozolomide Run1-DMSO	NM_1824 76	COQ6	homolog (yeast) coenzyme Q6	0.457449 Inlier
siRNA-Vinblastine Run1-DMSO	NM_1824 76	COQ6	homolog (yeast) coenzyme Q6	4.227736 Outlier
siRNA Disorazole DMSO Run2	NM_1824 76	COQ6	homolog (yeast) corin,	5.161734 Outlier
siRNA Disorazole DMSO Run2	NM_0065 87	CORIN	serine protease corin,	-1.273467 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0065 87	CORIN	serine protease corin,	-0.774096 Inlier
siRNA Disorazole DMSO Run1	NM_0065 87	CORIN	serine protease corin,	-0.373867 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0065 87	CORIN	serine protease corin,	-0.264255 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0065 87	CORIN	serine protease corin,	0.264255 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0065 87	CORIN	serine protease corin,	0.643621 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0065 87	CORIN	serine protease corin,	0.705379 Inlier
siRNA Disorazole DMSO Run3	NM_0065 87	CORIN	serine protease COX10	0.719756 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0013 03	COX10	homolog, cytochrome c oxidase assembly protein, heme A: farnesyltransferase (yeast)	-1.47709 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Log Fold Change	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_001303	COX10	-1.060756	Inlier
siRNA Disorazole DMSO Run1	NM_001303	COX10	-0.376708	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001303	COX10	-0.010971	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001303	COX10	0.010971	Inlier

COX10
homolog,
cytochrom
e c
oxidase
assembly
protein,
heme A:
farnesyltra
nsferase
(yeast)

COX10
homolog,
cytochrom
e c
oxidase
assembly
protein,
heme A:
farnesyltra
nsferase
(yeast)

COX10
homolog,
cytochrom
e c
oxidase
assembly
protein,
heme A:
farnesyltra
nsferase
(yeast)

COX10
homolog,
cytochrom
e c
oxidase
assembly
protein,
heme A:
farnesyltra
nsferase
(yeast)

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_001303	COX10	COX10 homolog, cytochrome c oxidase assembly protein, heme A: farnesyltransferase (yeast)	0.465966	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001303	COX10	COX10 homolog, cytochrome c oxidase assembly protein, heme A: farnesyltransferase (yeast)	0.883034	Inlier
siRNA Disorazole DMSO Run2	NM_001303	COX10	COX10 homolog, cytochrome c oxidase assembly protein, heme A: farnesyltransferase (yeast)	1.021073	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001861	COX4I1	cytochrome c oxidase subunit IV isoform 1	-1.099033	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001861	COX4I1	cytochrome c oxidase subunit IV isoform 1	-0.914002	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001861	COX4I1	cytochrome c oxidase subunit IV isoform 1	-0.163854	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Value	Outlier Status
siRNA-Vinblastine Run2-DMSO	NM_001861	COX4I1	cytochrome c oxidase subunit IV isoform 1	-0.128122	Inlier
siRNA Disorazole DMSO Run3	NM_001861	COX4I1	cytochrome c oxidase subunit IV isoform 1	0.128121	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001861	COX4I1	cytochrome c oxidase subunit IV isoform 1	0.598131	Inlier
siRNA Disorazole DMSO Run2	NM_001861	COX4I1	cytochrome c oxidase subunit IV isoform 1	0.750869	Inlier
siRNA Disorazole DMSO Run1	NM_001861	COX4I1	cytochrome c oxidase subunit IV isoform 1	0.841391	Inlier
siRNA-Temozolomide Run3-DMSO	NM_032609	COX4I2	cytochrome c oxidase subunit IV isoform 2 (lung)	-1.91365	Inlier
siRNA Disorazole DMSO Run3	NM_032609	COX4I2	cytochrome c oxidase subunit IV isoform 2 (lung)	-0.739741	Inlier
siRNA Disorazole DMSO Run1	NM_032609	COX4I2	cytochrome c oxidase subunit IV isoform 2 (lung)	-0.609259	Inlier
siRNA-Vinblastine Run2-DMSO	NM_032609	COX4I2	cytochrome c oxidase subunit IV isoform 2 (lung)	-0.052104	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_032609	COX4I2	cytochrome c oxidase subunit IV isoform 2 (lung)	0.052104	Inlier
siRNA-Temozolomide Run1-DMSO	NM_032609	COX4I2	cytochrome c oxidase subunit IV isoform 2 (lung)	0.391623	Inlier
siRNA-Temozolomide Run2-DMSO	NM_032609	COX4I2	cytochrome c oxidase subunit IV isoform 2 (lung)	0.896041	Inlier
siRNA Disorazole DMSO Run2	NM_032609	COX4I2	cytochrome c oxidase subunit IV isoform 2 (lung)	1.552424	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004255	COX5A	cytochrome c oxidase subunit Va	-3.433038	Inlier
siRNA Disorazole DMSO Run1	NM_004255	COX5A	cytochrome c oxidase subunit Va	-2.731936	Inlier
siRNA Disorazole DMSO Run3	NM_004255	COX5A	cytochrome c oxidase subunit Va	-0.825446	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004255	COX5A	cytochrome c oxidase subunit Va	-0.265578	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004255	COX5A	cytochrome c oxidase subunit Va	0.265578	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0042 55	COX5A	cytochrom e c oxidase subunit Va	0.394208	Inlier
siRNA Disorazole DMSO Run2	NM_0042 55	COX5A	cytochrom e c oxidase subunit Va	0.523554	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0042 55	COX5A	cytochrom e c oxidase subunit Va	1.37813	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0018 62	COX5B	cytochrom e c oxidase subunit Vb	-0.984012	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0018 62	COX5B	cytochrom e c oxidase subunit Vb	-0.57561	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0018 62	COX5B	cytochrom e c oxidase subunit Vb	-0.126277	Inlier
siRNA Disorazole DMSO Run3	NM_0018 62	COX5B	cytochrom e c oxidase subunit Vb	-0.006313	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0018 62	COX5B	cytochrom e c oxidase subunit Vb	0.006313	Inlier
siRNA Disorazole DMSO Run1	NM_0018 62	COX5B	cytochrom e c oxidase subunit Vb	0.77339	Inlier
siRNA Disorazole DMSO Run2	NM_0018 62	COX5B	cytochrom e c oxidase subunit Vb	0.847165	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_001862	COX5B	cytochrome c oxidase subunit Vb	1.35487	Inlier
siRNA Disorazole DMSO Run3	NM_004373	COX6A1	cytochrome c oxidase subunit VIa polypeptide 1	-0.861795	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004373	COX6A1	cytochrome c oxidase subunit VIa polypeptide 1	-0.835467	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004373	COX6A1	cytochrome c oxidase subunit VIa polypeptide 1	-0.513533	Inlier
siRNA Disorazole DMSO Run1	NM_004373	COX6A1	cytochrome c oxidase subunit VIa polypeptide 1	-0.340374	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004373	COX6A1	cytochrome c oxidase subunit VIa polypeptide 1	0.340374	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004373	COX6A1	cytochrome c oxidase subunit VIa polypeptide 1	0.442668	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_004373	COX6A1	cytochrome c oxidase subunit VIa polypeptide 1	1.398195	Inlier
siRNA Disorazole DMSO Run2	NM_004373	COX6A1	cytochrome c oxidase subunit VIa polypeptide 1	2.058006	Inlier
siRNA Disorazole DMSO Run1	NM_005205	COX6A2	cytochrome c oxidase subunit VIa polypeptide 2	-0.898179	Inlier
siRNA Disorazole DMSO Run3	NM_005205	COX6A2	cytochrome c oxidase subunit VIa polypeptide 2	-0.700954	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005205	COX6A2	cytochrome c oxidase subunit VIa polypeptide 2	-0.648046	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005205	COX6A2	cytochrome c oxidase subunit VIa polypeptide 2	-0.089302	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005205	COX6A2	cytochrome c oxidase subunit VIa polypeptide 2	0.089303	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_005205	COX6A2	cytochrome c oxidase subunit VIa polypeptide 2	0.544195	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005205	COX6A2	cytochrome c oxidase subunit VIa polypeptide 2	1.398922	Inlier
siRNA Disorazole DMSO Run2	NM_005205	COX6A2	cytochrome c oxidase subunit VIb polypeptide 1	1.494639	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001863	COX6B1	cytochrome c oxidase subunit VIb polypeptide 1 (ubiquitous)	-1.087901	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001863	COX6B1	cytochrome c oxidase subunit VIb polypeptide 1 (ubiquitous)	-0.664493	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001863	COX6B1	cytochrome c oxidase subunit VIb polypeptide 1 (ubiquitous)	-0.260235	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0018 63	COX6B1	cytochrome c oxidase subunit Vb polypeptide 1 (ubiquitous)	-0.253835	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0018 63	COX6B1	cytochrome c oxidase subunit Vb polypeptide 1 (ubiquitous)	0.253836	Inlier
siRNA Disorazole DMSO Run1	NM_0018 63	COX6B1	cytochrome c oxidase subunit Vb polypeptide 1 (ubiquitous)	0.684507	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0018 63	COX6B1	cytochrome c oxidase subunit Vb polypeptide 1 (ubiquitous)	1.659404	Inlier
siRNA Disorazole DMSO Run2	NM_0018 63	COX6B1	cytochrome c oxidase subunit Vb polypeptide 1 (ubiquitous)	2.137517	Inlier
siRNA Disorazole DMSO Run1	NM_0043 74	COX6C	Vlc	-0.809496	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

				cytochrom e c oxidase subunit Vlc	
siRNA Disorazole DMSO Run3	NM_0043 74	COX6C			-0.700524 Inlier
				cytochrom e c oxidase subunit Vlc	
siRNA-Vinblastine Run2- DMSO	NM_0043 74	COX6C			-0.43425 Inlier
				cytochrom e c oxidase subunit Vlc	
siRNA-Temozolomide Run1- DMSO	NM_0043 74	COX6C			-0.047114 Inlier
				cytochrom e c oxidase subunit Vlc	
siRNA-Temozolomide Run2- DMSO	NM_0043 74	COX6C			0.047114 Inlier
				cytochrom e c oxidase subunit Vlc	
siRNA-Vinblastine Run1- DMSO	NM_0043 74	COX6C			0.648476 Inlier
				cytochrom e c oxidase subunit Vlc	
siRNA Disorazole DMSO Run2	NM_0043 74	COX6C			1.025155 Inlier
				cytochrom e c oxidase subunit Vlc	
siRNA-Temozolomide Run3- DMSO	NM_0043 74	COX6C			1.266176 Inlier
				cytochrom e c oxidase subunit VIIa	
				polypeptid e 1	
siRNA Disorazole DMSO Run1	NM_0018 64	COX7A1		(muscle) cytochrom e c oxidase subunit VIIa	-1.630183 Inlier
				polypeptid e 1	
siRNA-Temozolomide Run1- DMSO	NM_0018 64	COX7A1		(muscle)	-0.86413 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0018 64	COX7A1	cytochrome c oxidase subunit VIIa polypeptide 1 (muscle)	-0.774309	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0018 64	COX7A1	cytochrome c oxidase subunit VIIa polypeptide 1 (muscle)	-0.163739	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0018 64	COX7A1	cytochrome c oxidase subunit VIIa polypeptide 1 (muscle)	0.163741	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0018 64	COX7A1	cytochrome c oxidase subunit VIIa polypeptide 1 (muscle)	0.185003	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0018 64	COX7A1	cytochrome c oxidase subunit VIIa polypeptide 1 (muscle)	0.574691	Inlier
siRNA Disorazole DMSO Run2	NM_0018 64	COX7A1	cytochrome c oxidase subunit VIIa polypeptide 1 (muscle)	1.303759	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			cytochrom e c oxidase subunit VIIa		
siRNA-Temozolomide Run2- DMSO	NM_0018 65	COX7A2	polypeptid e 2 (liver) cytochrom e c oxidase subunit VIIa	-0.926255	Inlier
siRNA Disorazole DMSO Run1	NM_0018 65	COX7A2	polypeptid e 2 (liver) cytochrom e c oxidase subunit VIIa	-0.422745	Inlier
siRNA Disorazole DMSO Run3	NM_0018 65	COX7A2	polypeptid e 2 (liver) cytochrom e c oxidase subunit VIIa	-0.326061	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0018 65	COX7A2	polypeptid e 2 (liver) cytochrom e c oxidase subunit VIIa	-0.10282	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0018 65	COX7A2	polypeptid e 2 (liver) cytochrom e c oxidase subunit VIIa	0.102821	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0018 65	COX7A2	polypeptid e 2 (liver) cytochrom e c oxidase subunit VIIa	1.409538	Inlier
siRNA Disorazole DMSO Run2	NM_0018 65	COX7A2	polypeptid e 2 (liver)	4.530821	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_001865	COX7A2	cytochrome c oxidase subunit VIIa polypeptide 2 (liver)	4.72185	Outlier
siRNA-Temozolomide Run3-DMSO	NM_004718	COX7A2L	cytochrome c oxidase subunit VIIa polypeptide 2 like	-1.764145	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004718	COX7A2L	cytochrome c oxidase subunit VIIa polypeptide 2 like	-0.825626	Inlier
siRNA Disorazole DMSO Run2	NM_004718	COX7A2L	cytochrome c oxidase subunit VIIa polypeptide 2 like	-0.600234	Inlier
siRNA Disorazole DMSO Run1	NM_004718	COX7A2L	cytochrome c oxidase subunit VIIa polypeptide 2 like	-0.078386	Inlier
siRNA Disorazole DMSO Run3	NM_004718	COX7A2L	cytochrome c oxidase subunit VIIa polypeptide 2 like	0.078386	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004718	COX7A2L	cytochrome c oxidase subunit VIIa polypeptide 2 like	0.412807	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_004718	COX7A2L	cytochrome c oxidase subunit VIIa polypeptide 2 like	0.748766	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004718	COX7A2L	cytochrome c oxidase subunit VIIa polypeptide 2 like	1.691265	Inlier
siRNA Disorazole DMSO Run3	NM_183003	COX7A3	cytochrome c oxidase subunit VIIa pseudogene 2	-0.733484	Inlier
siRNA-Temozolomide Run3-DMSO	NM_183003	COX7A3	cytochrome c oxidase subunit VIIa pseudogene 2	-0.615516	Inlier
siRNA-Temozolomide Run2-DMSO	NM_183003	COX7A3	cytochrome c oxidase subunit VIIa pseudogene 2	-0.220041	Inlier
siRNA-Vinblastine Run2-DMSO	NM_183003	COX7A3	cytochrome c oxidase subunit VIIa pseudogene 2	-0.083874	Inlier
siRNA Disorazole DMSO Run1	NM_183003	COX7A3	cytochrome c oxidase subunit VIIa pseudogene 2	0.083875	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_183003	COX7A3	cytochrome c oxidase subunit VIIa pseudogene 2	1.183152	Inlier
siRNA Disorazole DMSO Run2	NM_183003	COX7A3	cytochrome c oxidase subunit VIIa pseudogene 2	1.728429	Inlier
siRNA-Vinblastine Run1-DMSO	NM_183003	COX7A3	cytochrome c oxidase subunit VIIa pseudogene 2	2.636302	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001866	COX7B	cytochrome c oxidase subunit VIIb	-0.770724	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001866	COX7B	cytochrome c oxidase subunit VIIb	-0.745931	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001866	COX7B	cytochrome c oxidase subunit VIIb	-0.475231	Inlier
siRNA Disorazole DMSO Run1	NM_001866	COX7B	cytochrome c oxidase subunit VIIb	-0.433451	Inlier
siRNA Disorazole DMSO Run3	NM_001866	COX7B	cytochrome c oxidase subunit VIIb	0.43345	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001866	COX7B	cytochrome c oxidase subunit VIIb	0.603069	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0018 66	COX7B	cytochrom e c oxidase subunit VIIb	2.021276	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0018 66	COX7B	cytochrom e c oxidase subunit VIIb	2.321704	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0018 67	COX7C	cytochrom e c oxidase subunit VIIc	-1.420543	Inlier
siRNA Disorazole DMSO Run3	NM_0018 67	COX7C	cytochrom e c oxidase subunit VIIc	-0.911143	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0018 67	COX7C	cytochrom e c oxidase subunit VIIc	-0.437857	Inlier
siRNA Disorazole DMSO Run1	NM_0018 67	COX7C	cytochrom e c oxidase subunit VIIc	-0.247085	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0018 67	COX7C	cytochrom e c oxidase subunit VIIc	0.247085	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0018 67	COX7C	cytochrom e c oxidase subunit VIIc	0.404014	Inlier
siRNA Disorazole DMSO Run2	NM_0018 67	COX7C	cytochrom e c oxidase subunit VIIc	0.99663	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0018 67	COX7C	cytochrom e c oxidase subunit VIIc	1.836707	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_004074	COX8A	cytochrome c oxidase subunit 8A (ubiquitous)	-2.97233	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004074	COX8A	cytochrome c oxidase subunit 8A (ubiquitous)	-0.674175	Inlier
siRNA Disorazole DMSO Run1	NM_004074	COX8A	cytochrome c oxidase subunit 8A (ubiquitous)	-0.163352	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004074	COX8A	cytochrome c oxidase subunit 8A (ubiquitous)	-0.104209	Inlier
siRNA Disorazole DMSO Run3	NM_004074	COX8A	cytochrome c oxidase subunit 8A (ubiquitous)	0.104209	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004074	COX8A	cytochrome c oxidase subunit 8A (ubiquitous)	0.674825	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004074	COX8A	cytochrome c oxidase subunit 8A (ubiquitous)	2.270953	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0040 74	COX8A	cytochrome c oxidase subunit 8A (ubiquitous)	4.215563	Outlier
siRNA Disorazole DMSO Run1	NM_0000 96	CP	ceruloplasmin (ferroxidase)	-1.3374	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0000 96	CP	ceruloplasmin (ferroxidase)	-0.663952	Inlier
siRNA Disorazole DMSO Run3	NM_0000 96	CP	ceruloplasmin (ferroxidase)	-0.640065	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0000 96	CP	ceruloplasmin (ferroxidase)	-0.049021	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0000 96	CP	ceruloplasmin (ferroxidase)	0.049021	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0000 96	CP	ceruloplasmin (ferroxidase)	0.685048	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0000 96	CP	ceruloplasmin (ferroxidase)	0.751118	Inlier
siRNA Disorazole DMSO Run2	NM_0000 96	CP	ceruloplasmin (ferroxidase)	3.82559	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0018 68	CPA1	carboxypeptidase A1 (pancreatic)	-2.479058	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0018 68	CPA1	carboxypeptidase A1 (pancreatic)	-0.897857	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0018 68	CPA1	carboxypeptidase A1 (pancreatic)	-0.451143	Inlier
siRNA Disorazole DMSO Run1	NM_0018 68	CPA1	carboxypeptidase A1 (pancreatic)	-0.149139	Inlier
siRNA Disorazole DMSO Run2	NM_0018 68	CPA1	carboxypeptidase A1 (pancreatic)	0.14914	Inlier
siRNA Disorazole DMSO Run3	NM_0018 68	CPA1	carboxypeptidase A1 (pancreatic)	0.364026	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0018 68	CPA1	carboxypeptidase A1 (pancreatic)	1.446213	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0018 68	CPA1	carboxypeptidase A1 (pancreatic)	1.577454	Inlier
siRNA Disorazole DMSO Run2	NM_0018 69	CPA2	carboxypeptidase A2 (pancreatic)	-1.151718	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0018 69	CPA2	carboxypeptidase A2 (pancreatic)	-0.715731	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0018 69	CPA2	carboxypeptidase A2 (pancreatic)	-0.209702	Inlier
siRNA Disorazole DMSO Run1	NM_0018 69	CPA2	carboxypeptidase A2 (pancreatic)	-0.162435	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0018 69	CPA2	carboxypeptidase A2 (pancreatic)	0.162434	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0018 69	CPA2	carboxypeptidase A2 (pancreatic)	0.633269	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0018 69	CPA2	carboxypeptidase A2 (pancreatic)	1.256517	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0018 69	CPA2	carboxypeptidase A2 (pancreatic)	1.352983	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0018 70	CPA3	carboxypeptidase A3 (mast cell)	-1.426247	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0018 70	CPA3	carboxypeptidase A3 (mast cell)	-0.912379	Inlier
siRNA Disorazole DMSO Run1	NM_0018 70	CPA3	carboxypeptidase A3 (mast cell)	-0.612919	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0018 70	CPA3	carboxypeptidase A3 (mast cell)	-0.556896	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0018 70	CPA3	carboxypeptidase A3 (mast cell)	0.556895	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0018 70	CPA3	carboxypeptidase A3 (mast cell)	0.647388	Inlier
siRNA Disorazole DMSO Run3	NM_0018 70	CPA3	carboxypeptidase A3 (mast cell)	0.701612	Inlier
siRNA Disorazole DMSO Run2	NM_0018 70	CPA3	carboxypeptidase A3 (mast cell)	1.553869	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0163 52	CPA4	carboxypeptidase A4	-0.767752	Inlier
siRNA Disorazole DMSO Run3	NM_0163 52	CPA4	carboxypeptidase A4	-0.581248	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0163 52	CPA4	carboxypeptidase A4	-0.579302	Inlier
siRNA Disorazole DMSO Run2	NM_0163 52	CPA4	carboxypeptidase A4	-0.004874	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0163 52	CPA4	carboxypeptidase A4	0.004874	Inlier
siRNA Disorazole DMSO Run1	NM_0163 52	CPA4	carboxypeptidase A4	0.850569	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0163 52	CPA4	carboxypeptidase A4	1.976164	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0163 52	CPA4	carboxypeptidase A4	2.033495	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0803 85	CPA5	carboxypeptidase A5	-0.729559	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0803 85	CPA5	carboxypeptidase A5	-0.658376	Inlier
siRNA Disorazole DMSO Run2	NM_0803 85	CPA5	carboxypeptidase A5	-0.455731	Inlier
siRNA Disorazole DMSO Run3	NM_0803 85	CPA5	carboxypeptidase A5	-0.026262	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0803 85	CPA5	carboxypeptidase A5	0.026262	Inlier
siRNA Disorazole DMSO Run1	NM_0803 85	CPA5	carboxypeptidase A5	0.690624	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0803 85	CPA5	carboxypeptidase A5	1.85721	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0803 85	CPA5	carboxypeptidase A5	1.862965	Inlier
siRNA Disorazole DMSO Run2	NM_0203 61	CPA6	carboxypeptidase A6	-1.877918	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0203 61	CPA6	carboxypeptidase A6	-0.435239	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0203 61	CPA6	carboxypeptidase A6	-0.306065	Inlier
siRNA Disorazole DMSO Run3	NM_0203 61	CPA6	carboxypeptidase A6	-0.144809	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0203 61	CPA6	carboxypeptidase A6	0.144809	Inlier
siRNA Disorazole DMSO Run1	NM_0203 61	CPA6	carboxypeptidase A6	0.913761	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0203 61	CPA6	carboxypeptidase A6	1.743969	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0203 61	CPA6	carboxypeptidase A6	2.031824	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0018 71	CPB1	carboxypeptidase B1 (tissue)	-1.600006	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0018 71	CPB1	carboxypeptidase B1 (tissue)	-1.389027	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0018 71	CPB1	carboxypeptidase B1 (tissue)	-0.569658	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0018 71	CPB1	carboxypeptidase B1 (tissue)	-0.079679	Inlier
siRNA Disorazole DMSO Run1	NM_0018 71	CPB1	carboxypeptidase B1 (tissue)	0.07968	Inlier
siRNA Disorazole DMSO Run3	NM_0018 71	CPB1	carboxypeptidase B1 (tissue)	0.531728	Inlier
siRNA Disorazole DMSO Run2	NM_0018 71	CPB1	carboxypeptidase B1 (tissue)	0.779342	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_001871	CPB1	carboxypeptidase B1 (tissue)	1.259123	Inlier
siRNA-Temozolomide Run3-DMSO	NM_016413	CPB2	carboxypeptidase B2 (plasma, carboxypeptidase U)	-1.196171	Inlier
siRNA Disorazole DMSO Run2	NM_016413	CPB2	carboxypeptidase B2 (plasma, carboxypeptidase U)	-1.138701	Inlier
siRNA-Temozolomide Run2-DMSO	NM_016413	CPB2	carboxypeptidase B2 (plasma, carboxypeptidase U)	-0.449239	Inlier
siRNA-Temozolomide Run1-DMSO	NM_016413	CPB2	carboxypeptidase B2 (plasma, carboxypeptidase U)	-0.070264	Inlier
siRNA Disorazole DMSO Run3	NM_016413	CPB2	carboxypeptidase B2 (plasma, carboxypeptidase U)	0.070264	Inlier
siRNA Disorazole DMSO Run1	NM_016413	CPB2	carboxypeptidase B2 (plasma, carboxypeptidase U)	0.430791	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0164 13	CPB2	carboxypeptidase B2 (plasma, carboxypeptidase U)	0.899761	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0164 13	CPB2	carboxypeptidase B2 (plasma, carboxypeptidase U)	0.956794	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0013 04	CPD	carboxypeptidase D	-1.889624	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0013 04	CPD	carboxypeptidase D	-0.568007	Inlier
siRNA Disorazole DMSO Run1	NM_0013 04	CPD	carboxypeptidase D	-0.09182	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0013 04	CPD	carboxypeptidase D	-0.020782	Inlier
siRNA Disorazole DMSO Run2	NM_0013 04	CPD	carboxypeptidase D	0.020782	Inlier
siRNA Disorazole DMSO Run3	NM_0013 04	CPD	carboxypeptidase D	0.780993	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0013 04	CPD	carboxypeptidase D	1.097917	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0013 04	CPD	carboxypeptidase D	1.436824	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0018 73	CPE	carboxypeptidase E	-1.68997	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0018 73	CPE	carboxypeptidase E	-1.185182	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0018 73	CPE	carboxypeptidase E	-0.572815	Inlier
siRNA Disorazole DMSO Run3	NM_0018 73	CPE	carboxypeptidase E	-0.013689	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0018 73	CPE	carboxypeptidase E	0.013689	Inlier
siRNA Disorazole DMSO Run1	NM_0018 73	CPE	carboxypeptidase E	0.54501	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0018 73	CPE	carboxypeptidase E	0.776184	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0018 73	CPE	carboxypeptidase E	0.858581	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 05502	CPM	carboxypeptidase M	-2.22497	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 05502	CPM	carboxypeptidase M	-1.139465	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 05502	CPM	carboxypeptidase M	-0.739202	Inlier
siRNA Disorazole DMSO Run2	NM_0010 05502	CPM	carboxypeptidase M	-0.103307	Inlier
siRNA Disorazole DMSO Run3	NM_0010 05502	CPM	carboxypeptidase M	0.103308	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 05502	CPM	carboxypeptidase M	0.323412	Inlier
siRNA Disorazole DMSO Run1	NM_0010 05502	CPM	carboxypeptidase M	0.609798	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 05502	CPM	carboxypeptidase M	0.781617	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0013 08	CPN1	carboxypeptidase N, polypeptide 1, 50kD	-1.288576	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0013 08	CPN1	carboxypeptidase N, polypeptide 1, 50kD	-1.257406	Inlier
siRNA Disorazole DMSO Run2	NM_0013 08	CPN1	carboxypeptidase N, polypeptide 1, 50kD	-0.507977	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0013 08	CPN1	carboxypeptidase N, polypeptide 1, 50kD	-0.502433	Inlier
siRNA Disorazole DMSO Run3	NM_0013 08	CPN1	carboxypeptidase N, polypeptide 1, 50kD	0.502434	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0013 08	CPN1	carboxypeptidase N, polypeptide 1, 50kD	0.611323	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0013 08	CPN1	carboxypeptidase N, polypeptide 1, 50kD	0.737677	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0013 08	CPN1	carboxypeptidase N, polypeptide 1, 50kD	1.219795	Inlier
siRNA Disorazole DMSO Run1	NM_1308 08	CPNE4	copine IV	-1.032176	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1308 08	CPNE4	copine IV	-0.905781	Inlier
siRNA Disorazole DMSO Run2	NM_1308 08	CPNE4	copine IV	-0.855912	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1308 08	CPNE4	copine IV	-0.017799	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1308 08	CPNE4	copine IV	0.017799	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1308 08	CPNE4	copine IV	0.153206	Inlier
siRNA Disorazole DMSO Run3	NM_1308 08	CPNE4	copine IV	0.510768	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1308 08	CPNE4	copine IV	0.838232	Inlier
siRNA Disorazole DMSO Run3	NM_1730 77	CPO	carboxypeptidase O	-1.330321	Inlier
siRNA Disorazole DMSO Run2	NM_1730 77	CPO	carboxypeptidase O	-1.198089	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1730 77	CPO	carboxypeptidase O	-0.960688	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_1730 77	CPO	carboxypeptidase O	-0.281969	Inlier
siRNA Disorazole DMSO Run1	NM_1730 77	CPO	carboxypeptidase O	0.281969	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1730 77	CPO	carboxypeptidase O	0.32458	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1730 77	CPO	carboxypeptidase O	0.592302	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1730 77	CPO	carboxypeptidase O	0.756698	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0000 97	CPOX	coproporphyrinogen oxidase	-0.920445	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0000 97	CPOX	coproporphyrinogen oxidase	-0.807365	Inlier
siRNA Disorazole DMSO Run3	NM_0000 97	CPOX	coproporphyrinogen oxidase	-0.541635	Inlier
siRNA Disorazole DMSO Run1	NM_0000 97	CPOX	coproporphyrinogen oxidase	-0.094163	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0000 97	CPOX	coproporphyrinogen oxidase	0.094163	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0000 97	CPOX	coproporphyrinogen oxidase	0.358366	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0000 97	CPOX	coproporphyrinogen oxidase	1.542701	Inlier
siRNA Disorazole DMSO Run2	NM_0000 97	CPOX	coproporphyrinogen oxidase	2.551196	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0018 75	CPS1	carbamoyl-phosphate synthetase 1, mitochondrial	-0.797157	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0018 75	CPS1	carbamoyl-phosphate synthetase 1, mitochondrial	-0.683961 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0018 75	CPS1	carbamoyl-phosphate synthetase 1, mitochondrial	-0.6349 Inlier
siRNA Disorazole DMSO Run1	NM_0018 75	CPS1	carbamoyl-phosphate synthetase 1, mitochondrial	-0.32379 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0018 75	CPS1	carbamoyl-phosphate synthetase 1, mitochondrial	0.32379 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0018 75	CPS1	carbamoyl-phosphate synthetase 1, mitochondrial	0.665039 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0018 75	CPS1	carbamoyl-phosphate synthetase 1, mitochondrial	1.297787 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0018 75	CPS1	carbamoyl- phosphate synthetase 1, mitochond rial	2.089237	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0018 76	CPT1A	carnitine palmitoyltr ansferase 1A (liver)	-1.139514	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0018 76	CPT1A	carnitine palmitoyltr ansferase 1A (liver)	-0.990921	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0018 76	CPT1A	carnitine palmitoyltr ansferase 1A (liver)	-0.039334	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0018 76	CPT1A	carnitine palmitoyltr ansferase 1A (liver)	-0.022063	Inlier
siRNA Disorazole DMSO Run1	NM_0018 76	CPT1A	carnitine palmitoyltr ansferase 1A (liver)	0.022063	Inlier
siRNA Disorazole DMSO Run3	NM_0018 76	CPT1A	carnitine palmitoyltr ansferase 1A (liver)	0.358079	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0018 76	CPT1A	carnitine palmitoyltr ansferase 1A (liver)	2.922391	Inlier
siRNA Disorazole DMSO Run2	NM_0018 76	CPT1A	carnitine palmitoyltr ansferase 1A (liver)	3.835181	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1522 45	CPT1B	carnitine palmitoyltr ansferase 1B (muscle)	-1.420317	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1522 45	CPT1B	carnitine palmitoyltr ansferase 1B (muscle)	-1.332626	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1522 45	CPT1B	carnitine palmitoyltr ansferase 1B (muscle)	-1.045211	Inlier
siRNA Disorazole DMSO Run3	NM_1522 45	CPT1B	carnitine palmitoyltr ansferase 1B (muscle)	-0.085446	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1522 45	CPT1B	carnitine palmitoyltr ansferase 1B (muscle)	0.085447	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1522 45	CPT1B	carnitine palmitoyltr ansferase 1B (muscle)	0.238893	Inlier
siRNA Disorazole DMSO Run2	NM_1522 45	CPT1B	carnitine palmitoyltr ansferase 1B (muscle)	0.523281	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1522 45	CPT1B	carnitine palmitoyltr ansferase 1B (muscle)	0.825719	Inlier
siRNA Disorazole DMSO Run1	NM_1523 59	CPT1C	carnitine palmitoyltr ansferase 1C (muscle)	-0.734137	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1523 59	CPT1C	carnitine palmitoyltr ansferase 1C (muscle)	-0.614863	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1523 59	CPT1C	carnitine palmitoyltr ansferase 1C (muscle)	-0.191814	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_1523 59	CPT1C	carnitine palmitoyltransferase 1C	-0.140107	Inlier
siRNA Disorazole DMSO Run3	NM_1523 59	CPT1C	carnitine palmitoyltransferase 1C	0.140107	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1523 59	CPT1C	carnitine palmitoyltransferase 1C	0.779304	Inlier
siRNA Disorazole DMSO Run2	NM_1523 59	CPT1C	carnitine palmitoyltransferase 1C	2.476242	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1523 59	CPT1C	carnitine palmitoyltransferase 1C	2.638911	Inlier
siRNA Disorazole DMSO Run1	NM_0000 98	CPT2	carnitine palmitoyltransferase II	-0.714719	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0000 98	CPT2	carnitine palmitoyltransferase II	-0.634281	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0000 98	CPT2	carnitine palmitoyltransferase II	-0.291382	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0000 98	CPT2	carnitine palmitoyltransferase II	-0.002293	Inlier
siRNA Disorazole DMSO Run3	NM_0000 98	CPT2	carnitine palmitoyltransferase II	0.002293	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0000 98	CPT2	carnitine palmitoyltransferase II	0.863108	Inlier
siRNA Disorazole DMSO Run2	NM_0000 98	CPT2	carnitine palmitoyltransferase II	1.258276	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0000 98	CPT2	carnitine palmitoyltransferase II	1.432374	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0313 11	CPVL	carboxypeptidase, vitellogenin c-like	-2.428853	Inlier
siRNA Disorazole DMSO Run2	NM_0313 11	CPVL	carboxypeptidase, vitellogenin c-like	-1.115306	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0313 11	CPVL	carboxypeptidase, vitellogenin c-like	-0.126016	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0313 11	CPVL	carboxypeptidase, vitellogenin c-like	-0.09604	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0313 11	CPVL	carboxypeptidase, vitellogenin c-like	0.09604	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0313 11	CPVL	carboxypeptidase, vitellogenin c-like	0.233694	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0313 11	CPVL	carboxypeptidase, vitellogenin c-like	1.164684	Inlier
siRNA Disorazole DMSO Run3	NM_0313 11	CPVL	carboxypeptidase, vitellogenin c-like	3.240736	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0196 09	CPXM	carboxypeptidase X (M14 family)	-1.307814	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0196 09	CPXM	carboxypeptidase X (M14 family)	-0.753542	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0196 09	CPXM	carboxypeptidase X (M14 family)	-0.186453	Inlier
siRNA Disorazole DMSO Run3	NM_0196 09	CPXM	carboxypeptidase X (M14 family)	-0.062404	Inlier
siRNA Disorazole DMSO Run2	NM_0196 09	CPXM	carboxypeptidase X (M14 family)	0.062403	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0196 09	CPXM	carboxypeptidase X (M14 family)	0.595458	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0196 09	CPXM	carboxypeptidase X (M14 family)	3.372765	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0196 09	CPXM	carboxypeptidase X (M14 family)	3.892961	Outlier
siRNA-Temozolomide Run3-DMSO	NM_1981 48	CPXM2	carboxypeptidase X (M14 family), member 2	-1.136639	Inlier
siRNA Disorazole DMSO Run3	NM_1981 48	CPXM2	carboxypeptidase X (M14 family), member 2	-0.553251	Inlier
siRNA Disorazole DMSO Run2	NM_1981 48	CPXM2	carboxypeptidase X (M14 family), member 2	-0.352306	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1981 48	CPXM2	carboxypeptidase X (M14 family), member 2	-0.336566	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1981 48	CPXM2	carboxypeptidase X (M14 family), member 2	0.336566	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1981 48	CPXM2	carboxypeptidase X (M14 family), member 2	0.795749	Inlier
siRNA Disorazole DMSO Run1	NM_1981 48	CPXM2	carboxypeptidase X (M14 family), member 2	1.24677	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1981 48	CPXM2	carboxypeptidase X (M14 family), member 2	1.347412	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0036 52	CPZ	carboxypeptidase Z	-1.391968	Inlier
siRNA Disorazole DMSO Run2	NM_0036 52	CPZ	carboxypeptidase Z	-0.847885	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0036 52	CPZ	carboxypeptidase Z	-0.774061	Inlier
siRNA Disorazole DMSO Run3	NM_0036 52	CPZ	carboxypeptidase Z	-0.189361	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0036 52	CPZ	carboxypeptidase Z	0.189361	Inlier
siRNA Disorazole DMSO Run1	NM_0036 52	CPZ	carboxypeptidase Z	0.404163	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0036 52	CPZ	carboxypeptidase Z	0.630132	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0036 52	CPZ	carboxypeptidase Z	0.718868	Inlier
siRNA Disorazole DMSO Run2	NM_0006 51	CR1	complement component (3b/4b) receptor 1, including Knops blood group system	-0.934758	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0006 51	CR1	complement component (3b/4b) receptor 1, including Knops blood group system	-0.746614	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0006 51	CR1	compleme nt componen t (3b/4b) receptor 1, including Knops blood group system	-0.256632	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0006 51	CR1	compleme nt componen t (3b/4b) receptor 1, including Knops blood group system	-0.182155	Inlier
siRNA Disorazole DMSO Run1	NM_0006 51	CR1	compleme nt componen t (3b/4b) receptor 1, including Knops blood group system	0.182155	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0006 51	CR1	compleme nt componen t (3b/4b) receptor 1, including Knops blood group system	0.612401	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_000651	CR1	complement component (3b/4b) receptor 1, including Knops blood group system	0.736599	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000651	CR1	complement component (3b/4b) receptor 1, including Knops blood group system	1.08232	Inlier
siRNA Disorazole DMSO Run1	NM_001877	CR2	complement component (3d/Epstein Barr virus) receptor 2	-1.173133	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001877	CR2	complement component (3d/Epstein Barr virus) receptor 2	-0.837012	Inlier
siRNA Disorazole DMSO Run3	NM_001877	CR2	complement component (3d/Epstein Barr virus) receptor 2	-0.539889	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Target	Gene Name	Log Fold Change	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_001877	CR2	complement component (3d/Epstein Barr virus) receptor 2	-0.153124	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001877	CR2	complement component (3d/Epstein Barr virus) receptor 2	0.153124	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001877	CR2	complement component (3d/Epstein Barr virus) receptor 2	0.369903	Inlier
siRNA Disorazole DMSO Run2	NM_001877	CR2	complement component (3d/Epstein Barr virus) receptor 2	0.809112	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001877	CR2	cellular retinoic acid binding protein 1	1.167054	Inlier
siRNA Disorazole DMSO Run1	NM_004378	CRABP1	cellular retinoic acid binding protein 1	-0.677728	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004378	CRABP1	cellular retinoic acid binding protein 1	-0.671272	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_004378	CRABP1	cellular retinoic acid binding protein 1	-0.280277	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004378	CRABP1	cellular retinoic acid binding protein 1	-0.090547	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004378	CRABP1	cellular retinoic acid binding protein 1	0.090546	Inlier
siRNA Disorazole DMSO Run3	NM_004378	CRABP1	cellular retinoic acid binding protein 1	1.509626	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004378	CRABP1	cellular retinoic acid binding protein 1	2.67976	Inlier
siRNA Disorazole DMSO Run2	NM_004378	CRABP1	cellular retinoic acid binding protein 1	3.396792	Inlier
siRNA Disorazole DMSO Run1	NM_001878	CRABP2	cellular retinoic acid binding protein 2	-0.957264	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001878	CRABP2	cellular retinoic acid binding protein 2	-0.693068	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001878	CRABP2	cellular retinoic acid binding protein 2	-0.557224	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001878	CRABP2	cellular retinoic acid binding protein 2	-0.158884	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_001878	CRABP2	cellular retinoic acid binding protein 2	0.158884	Inlier
siRNA Disorazole DMSO Run3	NM_001878	CRABP2	cellular retinoic acid binding protein 2	0.655932	Inlier
siRNA Disorazole DMSO Run2	NM_001878	CRABP2	cellular retinoic acid binding protein 2	0.816596	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001878	CRABP2	cellular retinoic acid binding protein 2	0.933093	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004003	CRAT	carnitine acetyltransferase	-0.690645	Inlier
siRNA Disorazole DMSO Run3	NM_004003	CRAT	carnitine acetyltransferase	-0.658355	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004003	CRAT	carnitine acetyltransferase	-0.19754	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004003	CRAT	carnitine acetyltransferase	-0.172179	Inlier
siRNA Disorazole DMSO Run1	NM_004003	CRAT	carnitine acetyltransferase	0.172179	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004003	CRAT	carnitine acetyltransferase	1.268406	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004003	CRAT	carnitine acetyltransferase	4.362071	Outlier
siRNA Disorazole DMSO Run2	NM_004003	CRAT	carnitine acetyltransferase	5.611235	Outlier
siRNA-Temozolomide Run2-DMSO	NM_004380	CREBBP	CREB binding protein (Rubinstein-Taybi syndrome)	-0.791472	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0043 80	CREBBP	CREB binding protein (Rubinstei n-Taybi syndrome)	-0.750326	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0043 80	CREBBP	CREB binding protein (Rubinstei n-Taybi syndrome)	-0.598674	Inlier
siRNA Disorazole DMSO Run1	NM_0043 80	CREBBP	CREB binding protein (Rubinstei n-Taybi syndrome)	-0.318609	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0043 80	CREBBP	CREB binding protein (Rubinstei n-Taybi syndrome)	0.318609	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0043 80	CREBBP	CREB binding protein (Rubinstei n-Taybi syndrome)	0.440152	Inlier
siRNA Disorazole DMSO Run2	NM_0043 80	CREBBP	CREB binding protein (Rubinstei n-Taybi syndrome)	3.400245	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0043 80	CREBBP	CREB binding protein (Rubinstei n-Taybi syndrome)	4.83664	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Log Fold Change	Outlier Status	Biological Pathway
siRNA-Temozolomide Run3-DMSO	NM_004381	CREBL1	-1.186372	Inlier	cAMP responsive element binding protein-like 1
siRNA-Temozolomide Run2-DMSO	NM_004381	CREBL1	-1.000276	Inlier	cAMP responsive element binding protein-like 1
siRNA Disorazole DMSO Run3	NM_004381	CREBL1	-0.115613	Inlier	cAMP responsive element binding protein-like 1
siRNA Disorazole DMSO Run1	NM_004381	CREBL1	-0.022473	Inlier	cAMP responsive element binding protein-like 1
siRNA-Temozolomide Run1-DMSO	NM_004381	CREBL1	0.022474	Inlier	cAMP responsive element binding protein-like 1
siRNA Disorazole DMSO Run2	NM_004381	CREBL1	0.348724	Inlier	cAMP responsive element binding protein-like 1
siRNA-Vinblastine Run1-DMSO	NM_004381	CREBL1	1.143763	Inlier	cAMP responsive element binding protein-like 1
siRNA-Vinblastine Run2-DMSO	NM_004381	CREBL1	1.357193	Inlier	corticotropin
siRNA-Temozolomide Run3-DMSO	NM_000756	CRH	-1.93526	Inlier	releasing hormone

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0007 56	CRH	corticotrop in releasing hormone	-0.933428	Inlier
siRNA Disorazole DMSO Run3	NM_0007 56	CRH	corticotrop in releasing hormone	-0.415572	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0007 56	CRH	corticotrop in releasing hormone	-0.033497	Inlier
siRNA Disorazole DMSO Run1	NM_0007 56	CRH	corticotrop in releasing hormone	0.033497	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0007 56	CRH	corticotrop in releasing hormone	0.406853	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0007 56	CRH	corticotrop in releasing hormone	0.975481	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0007 56	CRH	corticotrop in releasing hormone	1.136356	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0043 82	CRHR1	corticotrop in releasing hormone receptor 1	-1.428265	Inlier
siRNA Disorazole DMSO Run2	NM_0043 82	CRHR1	corticotrop in releasing hormone receptor 1	-0.559036	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0043 82	CRHR1	corticotrop in releasing hormone receptor 1	-0.243801	Inlier
siRNA Disorazole DMSO Run3	NM_0043 82	CRHR1	corticotrop in releasing hormone receptor 1	-0.204956	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0043 82	CRHR1	corticotrop in releasing hormone receptor 1	0.204956	Inlier
siRNA Disorazole DMSO Run1	NM_0043 82	CRHR1	corticotrop in releasing hormone receptor 1	0.789964	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0043 82	CRHR1	corticotrop in releasing hormone receptor 1	1.108335	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0043 82	CRHR1	corticotrop in releasing hormone receptor 1	1.234008	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0018 83	CRHR2	corticotrop in releasing hormone receptor 2	-1.738381	Inlier
siRNA Disorazole DMSO Run3	NM_0018 83	CRHR2	corticotrop in releasing hormone receptor 2	-1.197713	Inlier
siRNA Disorazole DMSO Run2	NM_0018 83	CRHR2	corticotrop in releasing hormone receptor 2	-1.074274	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0018 83	CRHR2	corticotrop in releasing hormone receptor 2	-0.244911	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0018 83	CRHR2	corticotrop in releasing hormone receptor 2	0.244911	Inlier
siRNA Disorazole DMSO Run1	NM_0018 83	CRHR2	corticotrop in releasing hormone receptor 2	0.267534	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_001883	CRHR2	corticotropin releasing hormone receptor 2	0.514319	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001883	CRHR2	corticotropin releasing hormone receptor 2	0.834681	Inlier
siRNA Disorazole DMSO Run2	NM_016441	CRIM1	cysteine-rich motor neuron 1	-2.892114	Inlier
siRNA-Temozolomide Run3-DMSO	NM_016441	CRIM1	cysteine-rich motor neuron 1	-2.066353	Inlier
siRNA-Temozolomide Run1-DMSO	NM_016441	CRIM1	cysteine-rich motor neuron 1	-0.646877	Inlier
siRNA-Temozolomide Run2-DMSO	NM_016441	CRIM1	cysteine-rich motor neuron 1	-0.004666	Inlier
siRNA Disorazole DMSO Run3	NM_016441	CRIM1	cysteine-rich motor neuron 1	0.004665	Inlier
siRNA Disorazole DMSO Run1	NM_016441	CRIM1	cysteine-rich motor neuron 1	0.622242	Inlier
siRNA-Vinblastine Run2-DMSO	NM_016441	CRIM1	cysteine-rich motor neuron 1	0.702123	Inlier
siRNA-Vinblastine Run1-DMSO	NM_016441	CRIM1	cysteine-rich motor neuron 1	0.900385	Inlier
siRNA-Temozolomide Run3-DMSO	NM_016507	CRK7	CRK7	-1.126984	Inlier
siRNA-Temozolomide Run1-DMSO	NM_016507	CRK7	CRK7	-0.380008	Inlier
siRNA Disorazole DMSO Run1	NM_016507	CRK7	CRK7	-0.247295	Inlier
siRNA-Vinblastine Run1-DMSO	NM_016507	CRK7	CRK7	-0.010156	Inlier
siRNA-Temozolomide Run2-DMSO	NM_016507	CRK7	CRK7	0.010156	Inlier
siRNA Disorazole DMSO Run2	NM_016507	CRK7	CRK7	0.968992	Inlier
siRNA-Vinblastine Run2-DMSO	NM_016507	CRK7	CRK7	1.609598	Inlier
siRNA Disorazole DMSO Run3	NM_016507	CRK7	CRK7	3.153894	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0221 48	CRLF2	cytokine receptor- like factor 2	-0.959338	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0221 48	CRLF2	cytokine receptor- like factor 2	-0.389662	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0221 48	CRLF2	cytokine receptor- like factor 2	-0.252261	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0221 48	CRLF2	cytokine receptor- like factor 2	-0.086847	Inlier
siRNA Disorazole DMSO Run1	NM_0221 48	CRLF2	cytokine receptor- like factor 2	0.086848	Inlier
siRNA Disorazole DMSO Run3	NM_0221 48	CRLF2	cytokine receptor- like factor 2	1.357378	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0221 48	CRLF2	cytokine receptor- like factor 2	1.440149	Inlier
siRNA Disorazole DMSO Run2	NM_0221 48	CRLF2	cytokine receptor- like factor 2	1.882634	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 14809	CRMP1	collapsin response mediator protein 1	-0.87412	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 14809	CRMP1	collapsin response mediator protein 1	-0.700371	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 14809	CRMP1	collapsin response mediator protein 1	-0.648629	Inlier
siRNA Disorazole DMSO Run3	NM_0010 14809	CRMP1	collapsin response mediator protein 1	-0.364685	Inlier
siRNA Disorazole DMSO Run1	NM_0010 14809	CRMP1	collapsin response mediator protein 1	0.364685	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0010 14809	CRMP1	collapsin response mediator protein 1	0.49138	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 14809	CRMP1	collapsin response mediator protein 1	1.749585	Inlier
siRNA Disorazole DMSO Run2	NM_0010 14809	CRMP1	collapsin response mediator protein 1	2.232196	Inlier
siRNA Disorazole DMSO Run1	NM_0211 51	CROT	carnitine O-octanoyltransferase	-1.067721	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0211 51	CROT	carnitine O-octanoyltransferase	-0.92977	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0211 51	CROT	carnitine O-octanoyltransferase	-0.044161	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0211 51	CROT	carnitine O-octanoyltransferase	-0.037223	Inlier
siRNA Disorazole DMSO Run3	NM_0211 51	CROT	carnitine O-octanoyltransferase	0.037223	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0211 51	CROT	carnitine O-octanoyltransferase	0.646747	Inlier
siRNA Disorazole DMSO Run2	NM_0211 51	CROT	carnitine O-octanoyltransferase	0.702253	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0211 51	CROT	carnitine O-octanoyltransferase cofactor required for Sp1 transcriptional activation,	0.806912	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0042 29	CRSP2	subunit 2, 150kDa	-0.989022	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Condition	Gene	Accession	Protein	Value	Category
siRNA Disorazole	DMSO Run2	CRSP2	NM_004229	cofactor required for Sp1 transcriptional activation, subunit 2, 150kDa	-0.458068	Inlier
siRNA-Temozolomide	Run2-DMSO	CRSP2	NM_004229	cofactor required for Sp1 transcriptional activation, subunit 2, 150kDa	-0.332133	Inlier
siRNA Disorazole	DMSO Run1	CRSP2	NM_004229	cofactor required for Sp1 transcriptional activation, subunit 2, 150kDa	-0.149332	Inlier
siRNA-Temozolomide	Run1-DMSO	CRSP2	NM_004229	cofactor required for Sp1 transcriptional activation, subunit 2, 150kDa	0.149332	Inlier
siRNA-Vinblastine	Run2-DMSO	CRSP2	NM_004229	cofactor required for Sp1 transcriptional activation, subunit 2, 150kDa	0.890932	Inlier
siRNA Disorazole	DMSO Run3	CRSP2	NM_004229	cofactor required for Sp1 transcriptional activation, subunit 2, 150kDa	0.967387	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0042 29	CRSP2	cofactor required for Sp1 transcriptional activation, subunit 2, 150kDa	1.000565	Inlier
siRNA Disorazole DMSO Run2	NM_0042 68	CRSP6	cofactor required for Sp1 transcriptional activation, subunit 6, 77kDa	-0.954943	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0042 68	CRSP6	cofactor required for Sp1 transcriptional activation, subunit 6, 77kDa	-0.898857	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0042 68	CRSP6	cofactor required for Sp1 transcriptional activation, subunit 6, 77kDa	-0.498361	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0042 68	CRSP6	cofactor required for Sp1 transcriptional activation, subunit 6, 77kDa	-0.021342	Inlier
siRNA Disorazole DMSO Run1	NM_0042 68	CRSP6	cofactor required for Sp1 transcriptional activation, subunit 6, 77kDa	0.021341	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0042 68	CRSP6	cofactor required for Sp1 transcripti onal activation, subunit 6, 77kDa	0.343558	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0042 68	CRSP6	cofactor required for Sp1 transcripti onal activation, subunit 6, 77kDa	0.850639	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0042 68	CRSP6	activation, subunit 6, 77kDa	0.97085	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0180 58	CRTAC1	cartilage acidic protein 1	-2.196383	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0180 58	CRTAC1	cartilage acidic protein 1	-1.640813	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0180 58	CRTAC1	cartilage acidic protein 1	-0.302434	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0180 58	CRTAC1	cartilage acidic protein 1	-0.136193	Inlier
siRNA Disorazole DMSO Run1	NM_0180 58	CRTAC1	cartilage acidic protein 1	0.136192	Inlier
siRNA Disorazole DMSO Run3	NM_0180 58	CRTAC1	cartilage acidic protein 1	0.228825	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0180 58	CRTAC1	cartilage acidic protein 1	1.046566	Inlier
siRNA Disorazole DMSO Run2	NM_0180 58	CRTAC1	cartilage acidic protein 1	1.960333	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0040 75	CRY1	cryptochro me 1 (photolyas e-like)	-2.161817	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0040 75	CRY1	cryptochrome 1 (photolyase-like)	-1.418818	Inlier
siRNA Disorazole DMSO Run2	NM_0040 75	CRY1	cryptochrome 1 (photolyase-like)	-0.595674	Inlier
siRNA Disorazole DMSO Run1	NM_0040 75	CRY1	cryptochrome 1 (photolyase-like)	-0.072228	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0040 75	CRY1	cryptochrome 1 (photolyase-like)	0.072228	Inlier
siRNA Disorazole DMSO Run3	NM_0040 75	CRY1	cryptochrome 1 (photolyase-like)	0.338442	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0040 75	CRY1	cryptochrome 1 (photolyase-like)	0.753326	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0040 75	CRY1	cryptochrome 1 (photolyase-like)	1.120157	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0018 89	CRYZ	crystallin, zeta (quinone reductase)	-1.587086	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0018 89	CRYZ	crystallin, zeta (quinone reductase)	-1.032064	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0018 89	CRYZ	crystallin, zeta (quinone reductase)	-0.262057	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0018 89	CRYZ	crystallin, zeta (quinone reductase)	-0.17947	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0018 89	CRYZ	crystallin, zeta (quinone reductase)	0.17947	Inlier
siRNA Disorazole DMSO Run3	NM_0018 89	CRYZ	crystallin, zeta (quinone reductase)	0.461118	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0018 89	CRYZ	crystallin, zeta (quinone reductase)	0.887882	Inlier
siRNA Disorazole DMSO Run2	NM_0018 89	CRYZ	crystallin, zeta (quinone reductase)	1.027117	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1458 58	CRYZL1	crystallin, zeta (quinone reductase)- like 1	-0.801676	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1458 58	CRYZL1	crystallin, zeta (quinone reductase)- like 1	-0.72217	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1458 58	CRYZL1	crystallin, zeta (quinone reductase)- like 1	-0.667454	Inlier
siRNA Disorazole DMSO Run3	NM_1458 58	CRYZL1	crystallin, zeta (quinone reductase)- like 1	-0.261039	Inlier
siRNA Disorazole DMSO Run1	NM_1458 58	CRYZL1	crystallin, zeta (quinone reductase)- like 1	0.261038	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1458 58	CRYZL1	crystallin, zeta (quinone reductase)- like 1	0.661675	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_1458 58	CRYZL1	crystallin, zeta (quinone reductase)- like 1	0.681546	Inlier
siRNA Disorazole DMSO Run2	NM_1458 58	CRYZL1	crystallin, zeta (quinone reductase)- like 1	1.302911	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0040 77	CS	citrate synthase	-1.386317	Inlier
siRNA Disorazole DMSO Run1	NM_0040 77	CS	citrate synthase	-0.899119	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0040 77	CS	citrate synthase	-0.15355	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0040 77	CS	citrate synthase	-0.126622	Inlier
siRNA Disorazole DMSO Run3	NM_0040 77	CS	citrate synthase	0.126622	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0040 77	CS	citrate synthase	0.44988	Inlier
siRNA Disorazole DMSO Run2	NM_0040 77	CS	citrate synthase	1.049668	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0040 77	CS	citrate synthase cysteine sulfinic acid	3.797257	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0159 89	CSAD	decarboxyl ase cysteine sulfinic acid	-1.314104	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0159 89	CSAD	decarboxyl ase cysteine sulfinic acid	-0.723991	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0159 89	CSAD	decarboxyl ase cysteine sulfinic acid	-0.625009	Inlier
siRNA Disorazole DMSO Run1	NM_0159 89	CSAD	decarboxyl ase cysteine sulfinic acid	-0.211144	Inlier
siRNA Disorazole DMSO Run3	NM_0159 89	CSAD	decarboxyl ase	0.211145	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0159 89	CSAD	cysteine sulfinic acid decarboxyl ase	0.231248	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0159 89	CSAD	cysteine sulfinic acid decarboxyl ase	4.627806	Outlier
siRNA Disorazole DMSO Run2	NM_0159 89	CSAD	cysteine sulfinic acid decarboxyl ase	4.854624	Outlier
siRNA Disorazole DMSO Run2	NM_0052 11	CSF1R	colony stimulating factor 1 receptor, formerly McDonoug h feline sarcoma viral (v- fms) oncogene homolog	-2.431629	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0052 11	CSF1R	colony stimulating factor 1 receptor, formerly McDonoug h feline sarcoma viral (v- fms) oncogene homolog	-1.095353	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0052 11	CSF1R	colony stimulating factor 1 receptor, formerly McDonoug h feline sarcoma viral (v- fms) oncogene homolog	-0.536138	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Drug	Run	Gene	Accession	Gene Description	Log Fold Change	Outlier Status
siRNA Disorazole	DMSO	Run3	CSF1R	NM_005211	colony stimulating factor 1 receptor, formerly McDonoug h feline sarcoma viral (v-fms) oncogene homolog	-0.028827	Inlier
siRNA-Temozolomide	Run2-DMSO		CSF1R	NM_005211	colony stimulating factor 1 receptor, formerly McDonoug h feline sarcoma viral (v-fms) oncogene homolog	0.028827	Inlier
siRNA Disorazole	DMSO	Run1	CSF1R	NM_005211	colony stimulating factor 1 receptor, formerly McDonoug h feline sarcoma viral (v-fms) oncogene homolog	0.594273	Inlier
siRNA-Vinblastine	Run1-DMSO		CSF1R	NM_005211	colony stimulating factor 1 receptor, formerly McDonoug h feline sarcoma viral (v-fms) oncogene homolog	0.754727	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Log Fold Change	Annotation
siRNA-Vinblastine Run2-DMSO	NM_005211	CSF1R	1.308427	Inlier colony stimulating factor 1 receptor, formerly McDonough feline sarcoma viral (v-fms) oncogene homolog
siRNA Disorazole DMSO Run1	NM_172249	CSF2RA	-1.117255	Inlier colony stimulating factor 2 receptor, alpha, low-affinity (granulocyte-macrophage)
siRNA-Temozolomide Run1-DMSO	NM_172249	CSF2RA	-1.083363	Inlier colony stimulating factor 2 receptor, alpha, low-affinity (granulocyte-macrophage)
siRNA-Temozolomide Run3-DMSO	NM_172249	CSF2RA	-0.488005	Inlier colony stimulating factor 2 receptor, alpha, low-affinity (granulocyte-macrophage)
siRNA-Temozolomide Run2-DMSO	NM_172249	CSF2RA	-0.291179	Inlier colony stimulating factor 2 receptor, alpha, low-affinity (granulocyte-macrophage)

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_1722 49	CSF2RA	colony stimulating factor 2 receptor, alpha, low-affinity (granulocyte-macrophage)	0.291179	Inlier
siRNA Disorazole DMSO Run2	NM_1722 49	CSF2RA	colony stimulating factor 2 receptor, alpha, low-affinity (granulocyte-macrophage)	0.581191	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1722 49	CSF2RA	colony stimulating factor 2 receptor, alpha, low-affinity (granulocyte-macrophage)	0.767809	Inlier
siRNA Disorazole DMSO Run3	NM_1722 49	CSF2RA	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)	1.744915	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0003 95	CSF2RB	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)	-1.456522	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Value	Category
siRNA-Temozolomide Run3-DMSO	NM_000395	CSF2RB	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)	-0.966862	Inlier
siRNA Disorazole DMSO Run1	NM_000395	CSF2RB	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)	-0.382138	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000395	CSF2RB	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)	-0.116582	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000395	CSF2RB	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)	0.116583	Inlier
siRNA Disorazole DMSO Run2	NM_000395	CSF2RB	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)	0.303825	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Condition	Run	Gene	Value	Outlier
siRNA Disorazole	DMSO	Run3	CSF2RB	1.727059	Inlier
siRNA-Vinblastine	DMSO	Run1	CSF2RB	2.231761	Inlier
siRNA-Temozolomide	DMSO	Run3	CSF3R	-0.757508	Inlier
siRNA-Temozolomide	DMSO	Run2	CSF3R	-0.666712	Inlier
siRNA-Vinblastine	DMSO	Run2	CSF3R	-0.456064	Inlier
siRNA Disorazole	DMSO	Run1	CSF3R	-0.080146	Inlier
siRNA Disorazole	DMSO	Run3	CSF3R	0.080146	Inlier

colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)
 colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)
 colony stimulating factor 3 receptor (granulocyte)
 colony stimulating factor 3 receptor (granulocyte)
 colony stimulating factor 3 receptor (granulocyte)
 colony stimulating factor 3 receptor (granulocyte)
 colony stimulating factor 3 receptor (granulocyte)

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_156038	CSF3R	colony stimulating factor 3 receptor (granulocyte)	0.682288	Inlier
siRNA Disorazole DMSO Run2	NM_156038	CSF3R	colony stimulating factor 3 receptor (granulocyte)	1.604737	Inlier
siRNA-Vinblastine Run1-DMSO	NM_156038	CSF3R	colony stimulating factor 3 receptor (granulocyte)	2.501292	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004383	CSK	c-src tyrosine kinase	-0.920573	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004383	CSK	c-src tyrosine kinase	-0.821955	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004383	CSK	c-src tyrosine kinase	-0.527045	Inlier
siRNA Disorazole DMSO Run1	NM_004383	CSK	c-src tyrosine kinase	-0.027109	Inlier
siRNA Disorazole DMSO Run2	NM_004383	CSK	c-src tyrosine kinase	0.027108	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004383	CSK	c-src tyrosine kinase	0.054356	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004383	CSK	c-src tyrosine kinase	1.416911	Inlier
siRNA Disorazole DMSO Run3	NM_004383	CSK	c-src tyrosine kinase	1.909792	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001892	CSNK1A1	casein kinase 1, alpha 1	-2.863537	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001892	CSNK1A1	casein kinase 1, alpha 1	-0.809344	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001892	CSNK1A1	casein kinase 1, alpha 1	-0.76169	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Gene Name	Value	Outlier
siRNA Disorazole DMSO Run3	CSNK1A1	NM_0018 92	casein kinase 1, alpha 1	-0.326959	Inlier
siRNA Disorazole DMSO Run2	CSNK1A1	NM_0018 92	casein kinase 1, alpha 1	0.326959	Inlier
siRNA Disorazole DMSO Run1	CSNK1A1	NM_0018 92	casein kinase 1, alpha 1	0.521677	Inlier
siRNA-Vinblastine Run1-DMSO	CSNK1A1	NM_0018 92	casein kinase 1, alpha 1	0.58731	Inlier
siRNA-Vinblastine Run2-DMSO	CSNK1A1	NM_0018 92	casein kinase 1, alpha 1	2.578959	Inlier
siRNA Disorazole DMSO Run2	CSNK1A1L	NM_1452 03	casein kinase 1, alpha 1-like	-0.822573	Inlier
siRNA Disorazole DMSO Run3	CSNK1A1L	NM_1452 03	casein kinase 1, alpha 1-like	-0.745701	Inlier
siRNA-Temozolomide Run3-DMSO	CSNK1A1L	NM_1452 03	casein kinase 1, alpha 1-like	-0.596238	Inlier
siRNA-Temozolomide Run1-DMSO	CSNK1A1L	NM_1452 03	casein kinase 1, alpha 1-like	-0.153224	Inlier
siRNA-Temozolomide Run2-DMSO	CSNK1A1L	NM_1452 03	casein kinase 1, alpha 1-like	0.153224	Inlier
siRNA Disorazole DMSO Run1	CSNK1A1L	NM_1452 03	casein kinase 1, alpha 1-like	0.603299	Inlier
siRNA-Vinblastine Run1-DMSO	CSNK1A1L	NM_1452 03	casein kinase 1, alpha 1-like	1.44432	Inlier
siRNA-Vinblastine Run2-DMSO	CSNK1A1L	NM_1452 03	casein kinase 1, alpha 1-like	1.805671	Inlier
siRNA Disorazole DMSO Run2	CSNK1D	NM_1390 62	casein kinase 1, delta	-1.515079	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_1390 62	CSNK1D	casein kinase 1, delta	-0.67738	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1390 62	CSNK1D	casein kinase 1, delta	-0.604267	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1390 62	CSNK1D	casein kinase 1, delta	-0.578577	Inlier
siRNA Disorazole DMSO Run1	NM_1390 62	CSNK1D	casein kinase 1, delta	0.578577	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1390 62	CSNK1D	casein kinase 1, delta	0.67162	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1390 62	CSNK1D	casein kinase 1, delta	1.134424	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1390 62	CSNK1D	casein kinase 1, delta	2.112379	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1522 21	CSNK1E	casein kinase 1, epsilon	-0.820552	Inlier
siRNA Disorazole DMSO Run3	NM_1522 21	CSNK1E	casein kinase 1, epsilon	-0.558839	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1522 21	CSNK1E	casein kinase 1, epsilon	-0.308179	Inlier
siRNA Disorazole DMSO Run2	NM_1522 21	CSNK1E	casein kinase 1, epsilon	-0.118036	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1522 21	CSNK1E	casein kinase 1, epsilon	0.118035	Inlier
siRNA Disorazole DMSO Run1	NM_1522 21	CSNK1E	casein kinase 1, epsilon	0.790161	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1522 21	CSNK1E	casein kinase 1, epsilon	0.968584	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1522 21	CSNK1E	casein kinase 1, epsilon	1.509878	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 11664	CSNK1G1	casein kinase 1, gamma 1	-1.000342	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 11664	CSNK1G1	casein kinase 1, gamma 1	-0.348658	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology			casein		
siRNA-Temozolomide Run1-DMSO	NM_0010 11664	CSNK1G1	kinase 1, gamma 1	-0.309307	Inlier
siRNA Disorazole DMSO Run2	NM_0010 11664	CSNK1G1	kinase 1, gamma 1	-0.117601	Inlier
siRNA Disorazole DMSO Run1	NM_0010 11664	CSNK1G1	kinase 1, gamma 1	0.117601	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 11664	CSNK1G1	kinase 1, gamma 1	1.126012	Inlier
siRNA Disorazole DMSO Run3	NM_0010 11664	CSNK1G1	kinase 1, gamma 1	1.367923	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 11664	CSNK1G1	kinase 1, gamma 1	1.474161	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0013 19	CSNK1G2	kinase 1, gamma 2	-2.855581	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0013 19	CSNK1G2	kinase 1, gamma 2	-2.052182	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0013 19	CSNK1G2	kinase 1, gamma 2	-0.875961	Inlier
siRNA Disorazole DMSO Run1	NM_0013 19	CSNK1G2	kinase 1, gamma 2	-0.223072	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0013 19	CSNK1G2	kinase 1, gamma 2	0.223074	Inlier
siRNA Disorazole DMSO Run2	NM_0013 19	CSNK1G2	kinase 1, gamma 2	0.348783	Inlier
siRNA Disorazole DMSO Run3	NM_0013 19	CSNK1G2	kinase 1, gamma 2	0.473039	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0013 19	CSNK1G2	kinase 1, gamma 2	3.667521	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0043 84	CSNK1G3	kinase 1, gamma 3	-1.468747	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0043 84	CSNK1G3	kinase 1, gamma 3	-0.888611	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0043 84	CSNK1G3	kinase 1, gamma 3	-0.712605	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Gene	Value	Outlier
siRNA Disorazole DMSO Run3	CSNK1G3	NM_004384	casein kinase 1, gamma 3	-0.376037	Inlier
siRNA Disorazole DMSO Run2	CSNK1G3	NM_004384	casein kinase 1, gamma 3	0.376037	Inlier
siRNA Disorazole DMSO Run1	CSNK1G3	NM_004384	casein kinase 1, gamma 3	0.473754	Inlier
siRNA-Vinblastine Run1-DMSO	CSNK1G3	NM_004384	casein kinase 1, gamma 3	0.636395	Inlier
siRNA-Vinblastine Run2-DMSO	CSNK1G3	NM_004384	casein kinase 1, gamma 3	1.333338	Inlier
siRNA-Temozolomide Run1-DMSO	CSNK2A1	NM_177560	casein kinase 2, alpha 1 polypeptide	-3.099024	Inlier
siRNA Disorazole DMSO Run2	CSNK2A1	NM_177560	casein kinase 2, alpha 1 polypeptide	-3.031645	Inlier
siRNA-Temozolomide Run3-DMSO	CSNK2A1	NM_177560	casein kinase 2, alpha 1 polypeptide	-2.708982	Inlier
siRNA Disorazole DMSO Run3	CSNK2A1	NM_177560	casein kinase 2, alpha 1 polypeptide	-0.475217	Inlier
siRNA-Vinblastine Run1-DMSO	CSNK2A1	NM_177560	casein kinase 2, alpha 1 polypeptide	0.475219	Inlier
siRNA Disorazole DMSO Run1	CSNK2A1	NM_177560	casein kinase 2, alpha 1 polypeptide	0.584359	Inlier
siRNA-Temozolomide Run2-DMSO	CSNK2A1	NM_177560	casein kinase 2, alpha 1 polypeptide	0.669603	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_1775 60	CSNK2A1	casein kinase 2, alpha 1 polypeptid e	0.679397	Inlier
siRNA Disorazole DMSO Run2	NM_0018 96	CSNK2A2	casein kinase 2, alpha prime polypeptid e	-1.965111	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0018 96	CSNK2A2	casein kinase 2, alpha prime polypeptid e	-0.844707	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0018 96	CSNK2A2	casein kinase 2, alpha prime polypeptid e	-0.504293	Inlier
siRNA Disorazole DMSO Run3	NM_0018 96	CSNK2A2	casein kinase 2, alpha prime polypeptid e	-0.108109	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0018 96	CSNK2A2	casein kinase 2, alpha prime polypeptid e	0.108109	Inlier
siRNA Disorazole DMSO Run1	NM_0018 96	CSNK2A2	casein kinase 2, alpha prime polypeptid e	0.442729	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0018 96	CSNK2A2	casein kinase 2, alpha prime polypeptid e	0.991708	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_001896	CSNK2A2	casein kinase 2, alpha prime polypeptide	1.107911	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001320	CSNK2B	casein kinase 2, beta polypeptide	-1.029959	Inlier
siRNA Disorazole DMSO Run2	NM_001320	CSNK2B	casein kinase 2, beta polypeptide	-0.975006	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001320	CSNK2B	casein kinase 2, beta polypeptide	-0.481012	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001320	CSNK2B	casein kinase 2, beta polypeptide	-0.177095	Inlier
siRNA Disorazole DMSO Run1	NM_001320	CSNK2B	casein kinase 2, beta polypeptide	0.177095	Inlier
siRNA Disorazole DMSO Run3	NM_001320	CSNK2B	casein kinase 2, beta polypeptide	0.461949	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001320	CSNK2B	casein kinase 2, beta polypeptide	0.867988	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001320	CSNK2B	casein kinase 2, beta polypeptide	0.904973	Inlier
siRNA Disorazole DMSO Run1	NM_177926	CSRP2BP	CSRP2 binding protein	-0.948755	Inlier
siRNA-Temozolomide Run3-DMSO	NM_177926	CSRP2BP	CSRP2 binding protein	-0.82586	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology			CSRP2		
siRNA-Vinblastine Run2-DMSO	NM_1779	26	CSRP2BP	binding protein	-0.256061 Inlier
siRNA-Temozolomide Run2-DMSO	NM_1779	26	CSRP2BP	binding protein	-0.069926 Inlier
siRNA-Temozolomide Run1-DMSO	NM_1779	26	CSRP2BP	binding protein	0.069926 Inlier
siRNA Disorazole DMSO Run3	NM_1779	26	CSRP2BP	binding protein	0.52314 Inlier
siRNA-Vinblastine Run1-DMSO	NM_1779	26	CSRP2BP	binding protein	1.363683 Inlier
siRNA Disorazole DMSO Run2	NM_1779	26	CSRP2BP	binding protein	1.421434 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0018	98	CST1	cystatin SN	-1.738406 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0018	98	CST1	cystatin SN	-0.848494 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0018	98	CST1	cystatin SN	-0.5503 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0018	98	CST1	cystatin SN	-0.352456 Inlier
siRNA Disorazole DMSO Run1	NM_0018	98	CST1	cystatin SN	0.352456 Inlier
siRNA Disorazole DMSO Run3	NM_0018	98	CST1	cystatin SN	0.494685 Inlier
siRNA Disorazole DMSO Run2	NM_0018	98	CST1	cystatin SN	0.7987 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0018	98	CST1	cystatin SN	2.150428 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0013	22	CST2	cystatin SA	-1.078431 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0013	22	CST2	cystatin SA	-1.039534 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0013	22	CST2	cystatin SA	-0.762269 Inlier
siRNA Disorazole DMSO Run1	NM_0013	22	CST2	cystatin SA	-0.019276 Inlier
siRNA Disorazole DMSO Run3	NM_0013	22	CST2	cystatin SA	0.019276 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0013	22	CST2	cystatin SA	0.191891 Inlier
siRNA Disorazole DMSO Run2	NM_0013	22	CST2	cystatin SA	0.648104 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0013	22	CST2	cystatin SA	0.700896 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_000099	CST3	cystatin C (amyloid angiopathy and cerebral hemorrhage)	-1.029719	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000099	CST3	cystatin C (amyloid angiopathy and cerebral hemorrhage)	-0.319281	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000099	CST3	cystatin C (amyloid angiopathy and cerebral hemorrhage)	-0.285061	Inlier
siRNA Disorazole DMSO Run1	NM_000099	CST3	cystatin C (amyloid angiopathy and cerebral hemorrhage)	-0.032843	Inlier
siRNA Disorazole DMSO Run3	NM_000099	CST3	cystatin C (amyloid angiopathy and cerebral hemorrhage)	0.032843	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000099	CST3	cystatin C (amyloid angiopathy and cerebral hemorrhage)	2.007818	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000099	CST3	cystatin C (amyloid angiopathy and cerebral hemorrhage)	2.052309	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			cystatin C (amyloid angiopathy and cerebral hemorrhag e)	2.447687	Inlier
siRNA Disorazole DMSO Run2	NM_0000 99	CST3			
siRNA-Temozolomide Run3- DMSO	NM_0018 99	CST4	cystatin S	-0.75038	Inlier
siRNA Disorazole DMSO Run3	NM_0018 99	CST4	cystatin S	-0.59862	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0018 99	CST4	cystatin S	-0.562925	Inlier
siRNA Disorazole DMSO Run1	NM_0018 99	CST4	cystatin S	-0.169807	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0018 99	CST4	cystatin S	0.169807	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0018 99	CST4	cystatin S	0.973757	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0018 99	CST4	cystatin S	1.128004	Inlier
siRNA Disorazole DMSO Run2	NM_0018 99	CST4	cystatin S	1.32511	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0019 00	CST5	cystatin D	-0.723292	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0019 00	CST5	cystatin D	-0.625708	Inlier
siRNA Disorazole DMSO Run3	NM_0019 00	CST5	cystatin D	-0.33417	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0019 00	CST5	cystatin D	-0.221241	Inlier
siRNA Disorazole DMSO Run1	NM_0019 00	CST5	cystatin D	0.221241	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0019 00	CST5	cystatin D	1.678555	Inlier
siRNA Disorazole DMSO Run2	NM_0019 00	CST5	cystatin D	1.93812	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0019 00	CST5	cystatin D	2.423082	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0013 23	CST6	cystatin E/M	-1.151298	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0013 23	CST6	cystatin E/M	-0.569221	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0013 23	CST6	cystatin E/M	-0.5514	Inlier
siRNA Disorazole DMSO Run3	NM_0013 23	CST6	cystatin E/M	-0.279794	Inlier
siRNA Disorazole DMSO Run1	NM_0013 23	CST6	cystatin E/M	0.279794	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0013 23	CST6	cystatin E/M	0.779779	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_0013		cystatin	
siRNA Disorazole DMSO Run2	23	CST6	E/M	1.411639 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0013		cystatin	
	23	CST6	E/M	2.185701 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0036		cystatin F (leukocystatin)	-1.052238 Inlier
	50	CST7		
siRNA-Temozolomide Run2-DMSO	NM_0036		cystatin F (leukocystatin)	-0.845465 Inlier
	50	CST7		
siRNA-Temozolomide Run1-DMSO	NM_0036		cystatin F (leukocystatin)	-0.055747 Inlier
	50	CST7		
siRNA Disorazole DMSO Run1	NM_0036		cystatin F (leukocystatin)	-0.033488 Inlier
	50	CST7		
siRNA Disorazole DMSO Run3	NM_0036		cystatin F (leukocystatin)	0.033489 Inlier
	50	CST7		
siRNA-Vinblastine Run2-DMSO	NM_0036		cystatin F (leukocystatin)	0.503534 Inlier
	50	CST7		
siRNA Disorazole DMSO Run2	NM_0036		cystatin F (leukocystatin)	1.08002 Inlier
	50	CST7		
siRNA-Vinblastine Run1-DMSO	NM_0036		cystatin F (leukocystatin)	1.543732 Inlier
	50	CST7		
siRNA-Temozolomide Run3-DMSO	NM_0054		cystatin 8 (cystatin-related epididymal specific)	-0.82132 Inlier
	92	CST8		
siRNA-Temozolomide Run2-DMSO	NM_0054		cystatin 8 (cystatin-related epididymal specific)	-0.727433 Inlier
	92	CST8		
siRNA-Temozolomide Run1-DMSO	NM_0054		cystatin 8 (cystatin-related epididymal specific)	-0.073307 Inlier
	92	CST8		
siRNA Disorazole DMSO Run1	NM_0054		cystatin 8 (cystatin-related epididymal specific)	-0.015852 Inlier
	92	CST8		

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			cystatin 8 (cystatin- related epididymal specific)	0.015852	Inlier
siRNA Disorazole DMSO Run3	NM_0054 92	CST8	cystatin 8 (cystatin- related epididymal specific)	0.659945	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0054 92	CST8	cystatin 8 (cystatin- related epididymal specific)	0.689055	Inlier
siRNA Disorazole DMSO Run2	NM_0054 92	CST8	cystatin 8 (cystatin- related epididymal specific)	1.059451	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0054 92	CST8	cystatin A (stefin A)	-0.803801	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0052 13	CSTA	cystatin A (stefin A)	-0.545199	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0052 13	CSTA	cystatin A (stefin A)	-0.503058	Inlier
siRNA Disorazole DMSO Run3	NM_0052 13	CSTA	cystatin A (stefin A)	-0.06246	Inlier
siRNA Disorazole DMSO Run1	NM_0052 13	CSTA	cystatin A (stefin A)	0.06246	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0052 13	CSTA	cystatin A (stefin A)	1.216154	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0052 13	CSTA	cystatin A (stefin A)	1.589212	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0052 13	CSTA	cystatin A (stefin A)	1.752392	Inlier
siRNA Disorazole DMSO Run2	NM_0052 13	CSTA	cystatin A (stefin A)	-0.822514	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0001 00	CSTB	cystatin B (stefin B)	-0.804942	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0001 00	CSTB	cystatin B (stefin B)	-0.545379	Inlier
siRNA Disorazole DMSO Run3	NM_0001 00	CSTB	cystatin B (stefin B)	-0.012759	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0001 00	CSTB	cystatin B (stefin B)	0.012759	Inlier
siRNA Disorazole DMSO Run1	NM_0001 00	CSTB	cystatin B (stefin B)	0.136332	Inlier
siRNA Disorazole DMSO Run2	NM_0001 00	CSTB	cystatin B (stefin B)	0.803621	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0001 00	CSTB	cystatin B (stefin B)	2.27445	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0001 00	CSTB	cystatin B (stefin B)		

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0247 92	CT120	family with sequence similarity 57, member A	-1.027818	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0247 92	CT120	family with sequence similarity 57, member A	-0.321182	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0247 92	CT120	family with sequence similarity 57, member A	-0.181795	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0247 92	CT120	family with sequence similarity 57, member A	-0.156562	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0247 92	CT120	family with sequence similarity 57, member A	0.156561	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0247 92	CT120	family with sequence similarity 57, member A	1.688865	Inlier
siRNA Disorazole DMSO Run2	NM_0247 92	CT120	family with sequence similarity 57, member A	4.946908	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0247 92	CT120	family with sequence similarity 57, member A	8.91983	Outlier
siRNA-Temozolomide Run3- DMSO	NM_0013 28	CTBP1	C-terminal binding protein 1	-2.770942	Inlier
siRNA Disorazole DMSO Run1	NM_0013 28	CTBP1	C-terminal binding protein 1	-1.73469	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0013 28	CTBP1	C-terminal binding protein 1	-0.741129	Inlier
siRNA Disorazole DMSO Run3	NM_0013 28	CTBP1	C-terminal binding protein 1	-0.141339	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0013 28	CTBP1	C-terminal binding protein 1	0.141339	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0013 28	CTBP1	C-terminal binding protein 1	0.252563	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0013 28	CTBP1	C-terminal binding protein 1	0.607871	Inlier
siRNA Disorazole DMSO Run2	NM_0013 28	CTBP1	C-terminal binding protein 1	2.556834	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0228 02	CTBP2	C-terminal binding protein 2	-2.468466	Inlier
siRNA Disorazole DMSO Run1	NM_0228 02	CTBP2	C-terminal binding protein 2	-0.941505	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0228 02	CTBP2	C-terminal binding protein 2	-0.326443	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0228 02	CTBP2	C-terminal binding protein 2	-0.001706	Inlier
siRNA Disorazole DMSO Run3	NM_0228 02	CTBP2	C-terminal binding protein 2	0.001706	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0228 02	CTBP2	C-terminal binding protein 2	0.407495	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0228 02	CTBP2	C-terminal binding protein 2	1.221038	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	CT	Protein	Score	Inlier
siRNA Disorazole DMSO Run2	NM_022802	CTBP2	C-terminal binding protein 2	2.86023	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004388	CTBS	chitinase, di-N-acetyl-	-1.883436	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004388	CTBS	chitinase, di-N-acetyl-	-0.879289	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004388	CTBS	chitinase, di-N-acetyl-	-0.469711	Inlier
siRNA Disorazole DMSO Run3	NM_004388	CTBS	chitinase, di-N-acetyl-	-0.183928	Inlier
siRNA Disorazole DMSO Run1	NM_004388	CTBS	chitinase, di-N-acetyl-	0.183928	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004388	CTBS	chitinase, di-N-acetyl-	0.463416	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004388	CTBS	chitinase, di-N-acetyl-	2.271385	Inlier
siRNA Disorazole DMSO Run2	NM_004388	CTBS	chitinase, di-N-acetyl-CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A)	3.354491	Inlier
siRNA-Temozolomide Run2-DMSO	NM_048368	CTDP1	phosphatase, subunit 1 CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A)	-2.58788	Inlier
siRNA-Temozolomide Run3-DMSO	NM_048368	CTDP1	phosphatase, subunit 1	-0.810739	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Run	Gene	CTDP1	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) phosphatase, subunit 1	Value	Inlier
siRNA Disorazole DMSO	Run1	NM_0483 68	CTDP1	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) phosphatase, subunit 1	-0.538261	Inlier
siRNA-Vinblastine DMSO	Run1	NM_0483 68	CTDP1	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) phosphatase, subunit 1	-0.047196	Inlier
siRNA-Temozolomide DMSO	Run1	NM_0483 68	CTDP1	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) phosphatase, subunit 1	0.047196	Inlier
siRNA Disorazole DMSO	Run2	NM_0483 68	CTDP1	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) phosphatase, subunit 1	0.069533	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	CTD	Score	Inlier
siRNA-Vinblastine Run2-DMSO	NM_048368	CTDP1	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) phosphatase, subunit 1	1.653278	Inlier
siRNA Disorazole DMSO Run3	NM_048368	CTDP1	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) phosphatase, subunit 1	2.292863	Inlier
siRNA-Temozolomide Run3-DMSO	NM_182642	CTDSP1	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 1	-2.088905	Inlier
siRNA-Temozolomide Run2-DMSO	NM_182642	CTDSP1	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 1	-1.979645	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA	Condition	Run	Gene	CTD	Value	Inlier
siRNA Disorazole	DMSO	Run2	NM_1826 42	CTDSP1	-1.526979	Inlier
siRNA-Temozolomide	Run1-DMSO	NM_1826 42	CTDSP1	-0.049019	Inlier	
siRNA Disorazole	DMSO	Run1	NM_1826 42	CTDSP1	0.049019	Inlier
siRNA Disorazole	DMSO	Run3	NM_1826 42	CTDSP1	0.179621	Inlier

CTD
(carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 1

CTD
(carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 1

CTD
(carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 1

CTD
(carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 1

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Description	Log Fold Change	Outlier Status
siRNA-Vinblastine Run1-DMSO	NM_182642	CTDSP1	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 1	0.659698	Inlier
siRNA-Vinblastine Run2-DMSO	NM_182642	CTDSP1	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 1	0.689301	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005730	CTDSP2	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 2	-2.371851	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005730	CTDSP2	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 2	-1.216324	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	CTD	Value	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005730	CTDSP2	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 2	-0.661939	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005730	CTDSP2	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 2	-0.430672	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005730	CTDSP2	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 2	0.430672	Inlier
siRNA Disorazole DMSO Run2	NM_005730	CTDSP2	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 2	0.527313	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0057 30	CTDSP2	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 2	0.687061	Inlier
siRNA Disorazole DMSO Run1	NM_0057 30	CTDSP2	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 2	0.925106	Inlier
siRNA Disorazole DMSO Run2	NM_0058 08	CTDSPL	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase-like	-1.608177	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0058 08	CTDSPL	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase-like	-1.084546	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	CTD	Value	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005808	CTDSPL	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase-like	-1.0664	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005808	CTDSPL	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase-like	-0.140801	Inlier
siRNA Disorazole DMSO Run3	NM_005808	CTDSPL	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase-like	0.140801	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005808	CTDSPL	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase-like	0.269011	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log2 Fold Change	Category
siRNA Disorazole DMSO Run1	NM_005808	CTDSPL	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase-like	0.425473	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005808	CTDSPL	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase-like	0.923527	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001902	CTH	gamma-cystathionase (cystathionine gamma-lyase)	-1.518536	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001902	CTH	gamma-cystathionase (cystathionine gamma-lyase)	-1.389173	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001902	CTH	gamma-cystathionase (cystathionine gamma-lyase)	-1.010478	Inlier
siRNA Disorazole DMSO Run1	NM_001902	CTH	gamma-cystathionase (cystathionine gamma-lyase)	-0.148554	Inlier
siRNA Disorazole DMSO Run3	NM_001902	CTH	gamma-cystathionase (cystathionine gamma-lyase)	0.148553	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_001902	CTH	cystathionase (cystathionine gamma-lyase)	0.26791	Inlier
siRNA Disorazole DMSO Run2	NM_001902	CTH	cystathionase (cystathionine gamma-lyase)	0.523882	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001902	CTH	gamma-lyase)	0.825118	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001905	CTPS	CTP synthase	-1.289426	Inlier
siRNA Disorazole DMSO Run1	NM_001905	CTPS	CTP synthase	-1.032587	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001905	CTPS	CTP synthase	-0.316413	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001905	CTPS	CTP synthase	-0.029926	Inlier
siRNA Disorazole DMSO Run3	NM_001905	CTPS	CTP synthase	0.029926	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001905	CTPS	CTP synthase	0.071764	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001905	CTPS	CTP synthase	1.12795	Inlier
siRNA Disorazole DMSO Run2	NM_001905	CTPS	CTP synthase	1.159422	Inlier
siRNA-Temozolomide Run1-DMSO	NM_175859	CTPS2	CTP synthase II	-0.823643	Inlier
siRNA Disorazole DMSO Run1	NM_175859	CTPS2	CTP synthase II	-0.566763	Inlier
siRNA-Temozolomide Run3-DMSO	NM_175859	CTPS2	CTP synthase II	-0.542319	Inlier
siRNA-Temozolomide Run2-DMSO	NM_175859	CTPS2	CTP synthase II	-0.3633	Inlier
siRNA Disorazole DMSO Run3	NM_175859	CTPS2	CTP synthase II	0.3633	Inlier
siRNA-Vinblastine Run1-DMSO	NM_175859	CTPS2	CTP synthase II	0.782237	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_1758 59	CTPS2	CTP synthase II	0.921018	Inlier
siRNA Disorazole DMSO Run2	NM_1758 59	CTPS2	CTP synthase II	1.328193	Inlier
siRNA Disorazole DMSO Run2	NM_0019 06	CTRB1	chymotrypsinogen B1	-2.278363	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0019 06	CTRB1	chymotrypsinogen B1	-1.424289	Inlier
siRNA Disorazole DMSO Run1	NM_0019 06	CTRB1	chymotrypsinogen B1	-1.283581	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0019 06	CTRB1	chymotrypsinogen B1	-8.53E-05	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0019 06	CTRB1	chymotrypsinogen B1	8.53E-05	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0019 06	CTRB1	chymotrypsinogen B1	0.046456	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0019 06	CTRB1	chymotrypsinogen B1	0.485713	Inlier
siRNA Disorazole DMSO Run3	NM_0019 06	CTRB1	chymotrypsinogen B1	0.863287	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0072 72	CTRC	chymotrypsin C (caldecrin)	-1.122929	Inlier
siRNA Disorazole DMSO Run2	NM_0072 72	CTRC	chymotrypsin C (caldecrin)	-0.361107	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0072 72	CTRC	chymotrypsin C (caldecrin)	-0.218184	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0072 72	CTRC	chymotrypsin C (caldecrin)	-0.073402	Inlier
siRNA Disorazole DMSO Run1	NM_0072 72	CTRC	chymotrypsin C (caldecrin)	0.073402	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0072 72	CTRC	chymotryp sin C (caldecrin)	0.987893	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0072 72	CTRC	chymotryp sin C (caldecrin)	1.981673	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0072 72	CTRC	chymotryp sin C (caldecrin)	3.152736	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0019 07	CTRL	chymotryp sin-like	-0.859688	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0019 07	CTRL	chymotryp sin-like	-0.489312	Inlier
siRNA Disorazole DMSO Run1	NM_0019 07	CTRL	chymotryp sin-like	-0.391331	Inlier
siRNA Disorazole DMSO Run2	NM_0019 07	CTRL	chymotryp sin-like	-0.138129	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0019 07	CTRL	chymotryp sin-like	0.138129	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0019 07	CTRL	chymotryp sin-like	2.144006	Inlier
siRNA Disorazole DMSO Run3	NM_0019 07	CTRL	chymotryp sin-like	2.188992	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0019 07	CTRL	chymotryp sin-like	2.742051	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1477 80	CTSB	cathepsin B	-1.665501	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1477 80	CTSB	cathepsin B	-0.917632	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1477 80	CTSB	cathepsin B	-0.345589	Inlier
siRNA Disorazole DMSO Run1	NM_1477 80	CTSB	cathepsin B	-0.204141	Inlier
siRNA Disorazole DMSO Run2	NM_1477 80	CTSB	cathepsin B	0.204142	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1477 80	CTSB	cathepsin B	0.598386	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1477 80	CTSB	cathepsin B	0.750614	Inlier
siRNA Disorazole DMSO Run3	NM_1477 80	CTSB	cathepsin B	1.117226	Inlier
siRNA Disorazole DMSO Run2	NM_0018 14	CTSC	cathepsin C	-1.288453	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0018 14	CTSC	cathepsin C	-0.956303	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0018 14	CTSC	cathepsin C	-0.678114	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0018 14	CTSC	cathepsin C	-0.174993	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_0018		cathepsin	
siRNA Disorazole DMSO Run1	14	CTSC	C	0.174993 Inlier
	NM_0018		cathepsin	
siRNA Disorazole DMSO Run3	14	CTSC	C	0.604791 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0018		cathepsin	
	14	CTSC	C	0.670886 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0018		cathepsin	
	14	CTSC	C	0.734701 Inlier
			cathepsin	
			D	
			(lysosomal	
siRNA-Temozolomide Run3-DMSO	NM_0019		aspartyl	
	09	CTSD	protease)	-1.622387 Inlier
			cathepsin	
			D	
			(lysosomal	
siRNA Disorazole DMSO Run2	NM_0019		aspartyl	
	09	CTSD	protease)	-1.507737 Inlier
			cathepsin	
			D	
			(lysosomal	
siRNA Disorazole DMSO Run3	NM_0019		aspartyl	
	09	CTSD	protease)	-0.648391 Inlier
			cathepsin	
			D	
			(lysosomal	
siRNA-Temozolomide Run1-DMSO	NM_0019		aspartyl	
	09	CTSD	protease)	-0.034637 Inlier
			cathepsin	
			D	
			(lysosomal	
siRNA Disorazole DMSO Run1	NM_0019		aspartyl	
	09	CTSD	protease)	0.034637 Inlier
			cathepsin	
			D	
			(lysosomal	
siRNA-Temozolomide Run2-DMSO	NM_0019		aspartyl	
	09	CTSD	protease)	0.119603 Inlier
			cathepsin	
			D	
			(lysosomal	
siRNA-Vinblastine Run1-DMSO	NM_0019		aspartyl	
	09	CTSD	protease)	0.700609 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA	Gene	Gene ID	Gene	Value	Outlier
			cathepsin D (lysosomal aspartyl protease)	1.440372	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0019	09	CTSD		
siRNA-Temozolomide Run3-DMSO	NM_1489	64	CTSE	-1.424278	Inlier
siRNA Disorazole DMSO Run1	NM_1489	64	CTSE	-0.776709	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1489	64	CTSE	-0.420562	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1489	64	CTSE	-0.177567	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1489	64	CTSE	0.177567	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1489	64	CTSE	0.572291	Inlier
siRNA Disorazole DMSO Run2	NM_1489	64	CTSE	1.630113	Inlier
siRNA Disorazole DMSO Run3	NM_1489	64	CTSE	6.818512	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0037	93	CTSF	-1.073838	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0037	93	CTSF	-0.839253	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0037	93	CTSF	-0.763742	Inlier
siRNA Disorazole DMSO Run1	NM_0037	93	CTSF	-0.003384	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0037	93	CTSF	0.003385	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0037	93	CTSF	0.251305	Inlier
siRNA Disorazole DMSO Run2	NM_0037	93	CTSF	0.603419	Inlier
siRNA Disorazole DMSO Run3	NM_0037	93	CTSF	0.745581	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0019	11	CTSG	-1.4188	Inlier
siRNA Disorazole DMSO Run2	NM_0019	11	CTSG	-1.05481	Inlier
siRNA Disorazole DMSO Run1	NM_0019	11	CTSG	-0.716891	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0019	11	CTSG	-0.028851	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0019	11	CTSG	0.028851	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0019	11	CTSG	0.210226	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0019	11	CTSG	0.632109	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_0019		cathepsin		
siRNA Disorazole DMSO Run3	11	CTSG	G	1.655942	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0043 90	CTSH	H	-1.434048	Inlier
siRNA Disorazole DMSO Run1	NM_0043 90	CTSH	H	-0.894522	Inlier
siRNA Disorazole DMSO Run2	NM_0043 90	CTSH	H	-0.440577	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0043 90	CTSH	H	-0.179285	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0043 90	CTSH	H	0.179285	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0043 90	CTSH	H	0.454478	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0043 90	CTSH	H	1.616988	Inlier
siRNA Disorazole DMSO Run3	NM_0043 90	CTSH	H	3.148931	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0003 96	CTSK	(pycnodys ostosis) cathepsin K	-1.216997	Inlier
siRNA Disorazole DMSO Run2	NM_0003 96	CTSK	(pycnodys ostosis) cathepsin K	-0.494357	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0003 96	CTSK	(pycnodys ostosis) cathepsin K	-0.297615	Inlier
siRNA Disorazole DMSO Run3	NM_0003 96	CTSK	(pycnodys ostosis) cathepsin K	-0.049943	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0003 96	CTSK	(pycnodys ostosis) cathepsin K	0.049943	Inlier
siRNA Disorazole DMSO Run1	NM_0003 96	CTSK	(pycnodys ostosis) cathepsin K	0.854643	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0003 96	CTSK	(pycnodys ostosis) cathepsin K	1.45328	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0003 96	CTSK	(pycnodys ostosis) cathepsin K	2.082541	Inlier
siRNA Disorazole DMSO Run2	NM_1459 18	CTSL	L	-3.690118	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Temozolomide Run3- DMSO	NM_1459 18	CTSL	cathepsin L	-1.242594	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1459 18	CTSL	cathepsin L	-0.444948	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1459 18	CTSL	cathepsin L	-0.349155	Inlier
siRNA Disorazole DMSO Run1	NM_1459 18	CTSL	cathepsin L	0.349154	Inlier
siRNA Disorazole DMSO Run3	NM_1459 18	CTSL	cathepsin L	0.491313	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1459 18	CTSL	cathepsin L	0.857687	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1459 18	CTSL	cathepsin L	0.948049	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0013 33	CTSL2	cathepsin L2	-1.929049	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0013 33	CTSL2	cathepsin L2	-0.96615	Inlier
siRNA Disorazole DMSO Run1	NM_0013 33	CTSL2	cathepsin L2	-0.456635	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0013 33	CTSL2	cathepsin L2	-0.259096	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0013 33	CTSL2	cathepsin L2	0.259096	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0013 33	CTSL2	cathepsin L2	0.540238	Inlier
siRNA Disorazole DMSO Run3	NM_0013 33	CTSL2	cathepsin L2	0.808762	Inlier
siRNA Disorazole DMSO Run2	NM_0013 33	CTSL2	cathepsin L2	1.480078	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0013 34	CTSO	cathepsin O	-1.120952	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0013 34	CTSO	cathepsin O	-0.791738	Inlier
siRNA Disorazole DMSO Run1	NM_0013 34	CTSO	cathepsin O	-0.411539	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0013 34	CTSO	cathepsin O	-0.084246	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0013 34	CTSO	cathepsin O	0.084246	Inlier
siRNA Disorazole DMSO Run2	NM_0013 34	CTSO	cathepsin O	0.557262	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0013 34	CTSO	cathepsin O	1.209669	Inlier
siRNA Disorazole DMSO Run3	NM_0013 34	CTSO	cathepsin O	3.465874	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0040 79	CTSS	cathepsin S	-1.009604	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0040 79	CTSS	cathepsin S	-0.339396	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0040 79	CTSS	cathepsin S	-0.295909	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_0040		cathepsin	
siRNA Disorazole DMSO Run3	79	CTSS	S	-0.12772 Inlier
	NM_0040		cathepsin	
siRNA Disorazole DMSO Run2	79	CTSS	S	0.127721 Inlier
	NM_0040		cathepsin	
siRNA Disorazole DMSO Run1	79	CTSS	S	1.300925 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0040		cathepsin	
	79	CTSS	S	4.267605 Outlier
siRNA-Vinblastine Run2-DMSO	NM_0040		cathepsin	
	79	CTSS	S	4.662659 Outlier
			cathepsin	
			W	
	NM_0013		(lymphopai	
siRNA Disorazole DMSO Run2	35	CTSW	n)	-3.155227 Inlier
			cathepsin	
			W	
	NM_0013		(lymphopai	
siRNA-Temozolomide Run3-DMSO	35	CTSW	n)	-1.173698 Inlier
			cathepsin	
			W	
	NM_0013		(lymphopai	
siRNA-Temozolomide Run1-DMSO	35	CTSW	n)	-0.703931 Inlier
			cathepsin	
			W	
	NM_0013		(lymphopai	
siRNA-Temozolomide Run2-DMSO	35	CTSW	n)	-0.202332 Inlier
			cathepsin	
			W	
	NM_0013		(lymphopai	
siRNA Disorazole DMSO Run1	35	CTSW	n)	0.202333 Inlier
			cathepsin	
			W	
	NM_0013		(lymphopai	
siRNA-Vinblastine Run2-DMSO	35	CTSW	n)	0.613595 Inlier
			cathepsin	
			W	
	NM_0013		(lymphopai	
siRNA Disorazole DMSO Run3	35	CTSW	n)	0.645069 Inlier
			cathepsin	
			W	
	NM_0013		(lymphopai	
siRNA-Vinblastine Run1-DMSO	35	CTSW	n)	1.722454 Inlier
			cathepsin	
	NM_0013		cathepsin	
siRNA Disorazole DMSO Run2	36	CTSZ	Z	-2.163478 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0013		cathepsin	
	36	CTSZ	Z	-1.397264 Inlier
	NM_0013		cathepsin	
siRNA Disorazole DMSO Run3	36	CTSZ	Z	-0.834702 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0013		cathepsin	
	36	CTSZ	Z	-0.166695 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0013		cathepsin	
	36	CTSZ	Z	0.166696 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology	NM_0013		cathepsin		
siRNA Disorazole DMSO Run1	36	CTSZ	Z	0.401749	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0013		cathepsin		
	36	CTSZ	Z	0.524626	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0013		cathepsin		
	36	CTSZ	Z	0.824374	Inlier
			cubilin (intrinsic factor- cobalamin receptor)		
siRNA-Vinblastine Run2-DMSO	NM_0010				
	81	CUBN		-1.454762	Inlier
			cubilin (intrinsic factor- cobalamin receptor)		
siRNA-Temozolomide Run3-DMSO	NM_0010				
	81	CUBN		-1.222868	Inlier
			cubilin (intrinsic factor- cobalamin receptor)		
siRNA-Temozolomide Run2-DMSO	NM_0010				
	81	CUBN		-0.683657	Inlier
			cubilin (intrinsic factor- cobalamin receptor)		
siRNA Disorazole DMSO Run3	NM_0010				
	81	CUBN		-0.054956	Inlier
			cubilin (intrinsic factor- cobalamin receptor)		
siRNA Disorazole DMSO Run1	NM_0010				
	81	CUBN		0.054956	Inlier
			cubilin (intrinsic factor- cobalamin receptor)		
siRNA-Temozolomide Run1-DMSO	NM_0010				
	81	CUBN		0.378927	Inlier
			cubilin (intrinsic factor- cobalamin receptor)		
siRNA Disorazole DMSO Run2	NM_0010				
	81	CUBN		0.665343	Inlier
			cubilin (intrinsic factor- cobalamin receptor)		
siRNA-Vinblastine Run1-DMSO	NM_0010				
	81	CUBN		1.636024	Inlier
			chemokine (C-X3-C motif)		
siRNA-Temozolomide Run3-DMSO	NM_0013				
	37	CX3CR1	receptor 1	-0.998475	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log Fold Change	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_001337	CX3CR1	chemokine (C-X3-C motif) receptor 1	-0.479576	Inlier
siRNA Disorazole DMSO Run2	NM_001337	CX3CR1	chemokine (C-X3-C motif) receptor 1	-0.303299	Inlier
siRNA Disorazole DMSO Run3	NM_001337	CX3CR1	chemokine (C-X3-C motif) receptor 1	-0.253607	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001337	CX3CR1	chemokine (C-X3-C motif) receptor 1	0.253607	Inlier
siRNA Disorazole DMSO Run1	NM_001337	CX3CR1	chemokine (C-X3-C motif) receptor 1	0.869424	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001337	CX3CR1	chemokine (C-X3-C motif) receptor 1	1.529437	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001337	CX3CR1	chemokine (C-X3-C motif) receptor 1	1.603369	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001338	CXADR	coxsackie virus and adenovirus receptor	-8.209418	Outlier
siRNA Disorazole DMSO Run2	NM_001338	CXADR	coxsackie virus and adenovirus receptor	-1.02672	Inlier
siRNA Disorazole DMSO Run3	NM_001338	CXADR	coxsackie virus and adenovirus receptor	-0.32228	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001338	CXADR	coxsackie virus and adenovirus receptor	-0.060045	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001338	CXADR	coxsackie virus and adenovirus receptor	0.060045	Inlier
siRNA Disorazole DMSO Run1	NM_001338	CXADR	coxsackie virus and adenovirus receptor	0.271121	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_001338	CXADR	coxsackie virus and adenovirus receptor	1.164606	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001338	CXADR	coxsackie virus and adenovirus receptor	4.512573	Outlier
siRNA-Temozolomide Run3-DMSO	NM_001504	CXCR3	chemokine (C-X-C motif) receptor 3	-2.767806	Inlier
siRNA Disorazole DMSO Run2	NM_001504	CXCR3	chemokine (C-X-C motif) receptor 3	-1.296232	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001504	CXCR3	chemokine (C-X-C motif) receptor 3	-0.783838	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001504	CXCR3	chemokine (C-X-C motif) receptor 3	-0.070876	Inlier
siRNA Disorazole DMSO Run1	NM_001504	CXCR3	chemokine (C-X-C motif) receptor 3	0.070876	Inlier
siRNA Disorazole DMSO Run3	NM_001504	CXCR3	chemokine (C-X-C motif) receptor 3	0.406664	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001504	CXCR3	chemokine (C-X-C motif) receptor 3	0.663172	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001504	CXCR3	chemokine (C-X-C motif) receptor 3	0.685828	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003467	CXCR4	chemokine (C-X-C motif) receptor 4	-2.209908	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003467	CXCR4	chemokine (C-X-C motif) receptor 4	-0.703176	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003467	CXCR4	chemokine (C-X-C motif) receptor 4	-0.692223	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0034 67	CXCR4	chemokine (C-X-C motif) receptor 4	-0.235741	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0034 67	CXCR4	chemokine (C-X-C motif) receptor 4	0.235742	Inlier
siRNA Disorazole DMSO Run2	NM_0034 67	CXCR4	chemokine (C-X-C motif) receptor 4	0.607288	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0034 67	CXCR4	chemokine (C-X-C motif) receptor 4	0.656777	Inlier
siRNA Disorazole DMSO Run3	NM_0034 67	CXCR4	chemokine (C-X-C motif) receptor 4	2.49263	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0065 64	CXCR6	chemokine (C-X-C motif) receptor 6	-1.409396	Inlier
siRNA Disorazole DMSO Run2	NM_0065 64	CXCR6	chemokine (C-X-C motif) receptor 6	-0.682297	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0065 64	CXCR6	chemokine (C-X-C motif) receptor 6	-0.464519	Inlier
siRNA Disorazole DMSO Run3	NM_0065 64	CXCR6	chemokine (C-X-C motif) receptor 6	-0.23345	Inlier
siRNA Disorazole DMSO Run1	NM_0065 64	CXCR6	chemokine (C-X-C motif) receptor 6	0.233449	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0065 64	CXCR6	chemokine (C-X-C motif) receptor 6	0.666703	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0065 64	CXCR6	chemokine (C-X-C motif) receptor 6	1.192683	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0065 64	CXCR6	chemokine (C-X-C motif) receptor 6	1.363296	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0249 17	CXorf34	chromosome X open reading frame 34	-1.702692	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0249 17	CXorf34	chromosome X open reading frame 34	-0.856853	Inlier
siRNA Disorazole DMSO Run1	NM_0249 17	CXorf34	chromosome X open reading frame 34	-0.492147	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0249 17	CXorf34	chromosome X open reading frame 34	-0.143985	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0249 17	CXorf34	chromosome X open reading frame 34	0.143985	Inlier
siRNA Disorazole DMSO Run3	NM_0249 17	CXorf34	chromosome X open reading frame 34	0.404914	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0249 17	CXorf34	chromosome X open reading frame 34	3.491305	Inlier
siRNA Disorazole DMSO Run2	NM_0249 17	CXorf34	chromosome X open reading frame 34	3.683864	Outlier
siRNA Disorazole DMSO Run3	NM_0162 29	CYB5R2	CYB5R2	-1.110949	Inlier
siRNA Disorazole DMSO Run1	NM_0162 29	CYB5R2	CYB5R2	-0.238051	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0162 29	CYB5R2	CYB5R2	-0.080659	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0162 29	CYB5R2	CYB5R2	-0.0387	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0162 29	CYB5R2	CYB5R2	0.0387	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0162 29	CYB5R2	CYB5R2	4.001488	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA Treatment	Gene ID	Gene Symbol	Gene Description	Log Fold Change	Classification
siRNA-Vinblastine Run1-DMSO	NM_0162	CYB5R2	CYB5R2	9.510963	Outlier
siRNA Disorazole DMSO Run2	NM_0162	CYB5R2	CYB5R2	10.16281	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0248	CYBRD1	cytochrome b reductase 1	-1.974967	Inlier
siRNA Disorazole DMSO Run1	NM_0248	CYBRD1	cytochrome b reductase 1	-0.667463	Inlier
siRNA Disorazole DMSO Run3	NM_0248	CYBRD1	cytochrome b reductase 1	-0.512801	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0248	CYBRD1	cytochrome b reductase 1	-0.108808	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0248	CYBRD1	cytochrome b reductase 1	0.108807	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0248	CYBRD1	cytochrome b reductase 1	0.681537	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0248	CYBRD1	cytochrome b reductase 1	1.19986	Inlier
siRNA Disorazole DMSO Run2	NM_0248	CYBRD1	cytochrome b reductase 1	2.29017	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0152	CYLD	cylindromatosis (turban tumor syndrome)	-1.072657	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0152	CYLD	cylindromatosis (turban tumor syndrome)	-0.703798	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0152 47	CYLD	cylindromatosis (turban tumor syndrome)	-0.645202	Inlier
siRNA Disorazole DMSO Run1	NM_0152 47	CYLD	cylindromatosis (turban tumor syndrome)	-0.087413	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0152 47	CYLD	cylindromatosis (turban tumor syndrome)	0.087413	Inlier
siRNA Disorazole DMSO Run3	NM_0152 47	CYLD	cylindromatosis (turban tumor syndrome)	0.143621	Inlier
siRNA Disorazole DMSO Run2	NM_0152 47	CYLD	cylindromatosis (turban tumor syndrome)	1.151367	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0152 47	CYLD	cylindromatosis (turban tumor syndrome)	2.349809	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0007 81	CYP11A1	cytochrome P450, family 11, subfamily A, polypeptide 1	-1.143816	Inlier
siRNA Disorazole DMSO Run3	NM_0007 81	CYP11A1	cytochrome P450, family 11, subfamily A, polypeptide 1	-0.63186	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_000781	CYP11A1	cytochrome P450, family 11, subfamily A, polypeptide 1	-0.429956	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000781	CYP11A1	cytochrome P450, family 11, subfamily A, polypeptide 1	-0.05888	Inlier
siRNA Disorazole DMSO Run1	NM_000781	CYP11A1	cytochrome P450, family 11, subfamily A, polypeptide 1	0.05888	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000781	CYP11A1	cytochrome P450, family 11, subfamily A, polypeptide 1	0.71714	Inlier
siRNA Disorazole DMSO Run2	NM_000781	CYP11A1	cytochrome P450, family 11, subfamily A, polypeptide 1	0.843144	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000781	CYP11A1	cytochrome P450, family 11, subfamily B, polypeptide 1	2.244238	Inlier
siRNA Disorazole DMSO Run3	NM_000497	CYP11B1	polypeptide 1	-1.882927	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_000497	CYP11B1	cytochrome P450, family 11, subfamily B, polypeptide 1	-0.981277	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000497	CYP11B1	cytochrome P450, family 11, subfamily B, polypeptide 1	-0.56533	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000497	CYP11B1	cytochrome P450, family 11, subfamily B, polypeptide 1	-0.133661	Inlier
siRNA Disorazole DMSO Run1	NM_000497	CYP11B1	cytochrome P450, family 11, subfamily B, polypeptide 1	0.133661	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000497	CYP11B1	cytochrome P450, family 11, subfamily B, polypeptide 1	0.404604	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000497	CYP11B1	cytochrome P450, family 11, subfamily B, polypeptide 1	0.78367	Inlier
siRNA Disorazole DMSO Run2	NM_000497	CYP11B1	cytochrome P450, family 11, subfamily B, polypeptide 1	1.390565	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_000498	CYP11B2	cytochrome P450, family 11, subfamily B, polypeptide 2	-1.280012	Inlier
siRNA Disorazole DMSO Run3	NM_000498	CYP11B2	cytochrome P450, family 11, subfamily B, polypeptide 2	-0.233403	Inlier
siRNA Disorazole DMSO Run1	NM_000498	CYP11B2	cytochrome P450, family 11, subfamily B, polypeptide 2	-0.050654	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000498	CYP11B2	cytochrome P450, family 11, subfamily B, polypeptide 2	-0.044484	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000498	CYP11B2	cytochrome P450, family 11, subfamily B, polypeptide 2	0.044485	Inlier
siRNA Disorazole DMSO Run2	NM_000498	CYP11B2	cytochrome P450, family 11, subfamily B, polypeptide 2	1.115597	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000498	CYP11B2	cytochrome P450, family 11, subfamily B, polypeptide 2	1.524969	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_000498	CYP11B2	cytochrome P450, family 11, subfamily B, polypeptide 2	1.962505	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000102	CYP17A1	cytochrome P450, family 17, subfamily A, polypeptide 1	-1.886436	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000102	CYP17A1	cytochrome P450, family 17, subfamily A, polypeptide 1	-1.403442	Inlier
siRNA Disorazole DMSO Run3	NM_000102	CYP17A1	cytochrome P450, family 17, subfamily A, polypeptide 1	-0.690574	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000102	CYP17A1	cytochrome P450, family 17, subfamily A, polypeptide 1	-0.107841	Inlier
siRNA Disorazole DMSO Run2	NM_000102	CYP17A1	cytochrome P450, family 17, subfamily A, polypeptide 1	0.107842	Inlier
siRNA Disorazole DMSO Run1	NM_000102	CYP17A1	cytochrome P450, family 17, subfamily A, polypeptide 1	0.302409	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_000102	CYP17A1	cytochrome P450, family 17, subfamily A, polypeptide 1	0.658426	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000102	CYP17A1	cytochrome P450, family 17, subfamily A, polypeptide 1	1.478982	Inlier
siRNA Disorazole DMSO Run2	NM_031226	CYP19A1	cytochrome P450, family 19, subfamily A, polypeptide 1	-1.094635	Inlier
siRNA-Temozolomide Run3-DMSO	NM_031226	CYP19A1	cytochrome P450, family 19, subfamily A, polypeptide 1	-0.729923	Inlier
siRNA Disorazole DMSO Run3	NM_031226	CYP19A1	cytochrome P450, family 19, subfamily A, polypeptide 1	-0.619077	Inlier
siRNA-Temozolomide Run2-DMSO	NM_031226	CYP19A1	cytochrome P450, family 19, subfamily A, polypeptide 1	-0.574084	Inlier
siRNA Disorazole DMSO Run1	NM_031226	CYP19A1	cytochrome P450, family 19, subfamily A, polypeptide 1	0.574084	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_031226	CYP19A1	cytochrome P450, family 19, subfamily A, polypeptide 1	0.577551	Inlier
siRNA-Vinblastine Run2-DMSO	NM_031226	CYP19A1	cytochrome P450, family 19, subfamily A, polypeptide 1	1.608338	Inlier
siRNA-Vinblastine Run1-DMSO	NM_031226	CYP19A1	cytochrome P450, family 1, subfamily A, polypeptide 1	1.763765	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000499	CYP1A1	cytochrome P450, family 1, subfamily A, polypeptide 1	-0.822728	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000499	CYP1A1	cytochrome P450, family 1, subfamily A, polypeptide 1	-0.724452	Inlier
siRNA Disorazole DMSO Run3	NM_000499	CYP1A1	cytochrome P450, family 1, subfamily A, polypeptide 1	-0.155291	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000499	CYP1A1	cytochrome P450, family 1, subfamily A, polypeptide 1	-0.061941	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0004 99	CYP1A1	cytochrome P450, family 1, subfamily A, polypeptide 1	0.061941	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0004 99	CYP1A1	cytochrome P450, family 1, subfamily A, polypeptide 1	0.624548	Inlier
siRNA Disorazole DMSO Run2	NM_0004 99	CYP1A1	cytochrome P450, family 1, subfamily A, polypeptide 1	0.7944	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0004 99	CYP1A1	cytochrome P450, family 1, subfamily A, polypeptide 1	1.024759	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0007 61	CYP1A2	cytochrome P450, family 1, subfamily A, polypeptide 2	-1.287198	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0007 61	CYP1A2	cytochrome P450, family 1, subfamily A, polypeptide 2	-0.635236	Inlier
siRNA Disorazole DMSO Run2	NM_0007 61	CYP1A2	cytochrome P450, family 1, subfamily A, polypeptide 2	-0.280381	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_000761	CYP1A2	cytochrome P450, family 1, subfamily A, polypeptide 2	-0.044463	Inlier
siRNA Disorazole DMSO Run1	NM_000761	CYP1A2	cytochrome P450, family 1, subfamily A, polypeptide 2	0.044464	Inlier
siRNA Disorazole DMSO Run3	NM_000761	CYP1A2	cytochrome P450, family 1, subfamily A, polypeptide 2	0.713764	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000761	CYP1A2	cytochrome P450, family 1, subfamily A, polypeptide 2	1.124262	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000761	CYP1A2	cytochrome P450, family 1, subfamily B, polypeptide 2	2.363575	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000104	CYP1B1	cytochrome P450, family 1, subfamily B, polypeptide 1	-0.825583	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000104	CYP1B1	cytochrome P450, family 1, subfamily B, polypeptide 1	-0.523417	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_000104	CYP1B1	cytochrome P450, family 1, subfamily B, polypeptide 1	-0.314687	Inlier
siRNA Disorazole DMSO Run3	NM_000104	CYP1B1	cytochrome P450, family 1, subfamily B, polypeptide 1	-0.032728	Inlier
siRNA Disorazole DMSO Run2	NM_000104	CYP1B1	cytochrome P450, family 1, subfamily B, polypeptide 1	0.032728	Inlier
siRNA Disorazole DMSO Run1	NM_000104	CYP1B1	cytochrome P450, family 1, subfamily B, polypeptide 1	1.504773	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000104	CYP1B1	cytochrome P450, family 1, subfamily B, polypeptide 1	2.635269	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000104	CYP1B1	cytochrome P450, family 20, subfamily A, polypeptide 1	4.200501	Outlier
siRNA-Temozolomide Run2-DMSO	NM_177538	CYP20A1	polypeptide 1	-0.874032	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Enzyme	Protein Name	Value	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_177538	CYP20A1	cytochrome P450, family 20, subfamily A, polypeptide 1	-0.75747	Inlier
siRNA-Temozolomide Run1-DMSO	NM_177538	CYP20A1	cytochrome P450, family 20, subfamily A, polypeptide 1	-0.614342	Inlier
siRNA Disorazole DMSO Run1	NM_177538	CYP20A1	cytochrome P450, family 20, subfamily A, polypeptide 1	-0.049703	Inlier
siRNA Disorazole DMSO Run2	NM_177538	CYP20A1	cytochrome P450, family 20, subfamily A, polypeptide 1	0.049703	Inlier
siRNA-Vinblastine Run1-DMSO	NM_177538	CYP20A1	cytochrome P450, family 20, subfamily A, polypeptide 1	0.185814	Inlier
siRNA Disorazole DMSO Run3	NM_177538	CYP20A1	cytochrome P450, family 20, subfamily A, polypeptide 1	0.734658	Inlier
siRNA-Vinblastine Run2-DMSO	NM_177538	CYP20A1	cytochrome P450, family 20, subfamily A, polypeptide 1	0.778093	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_000500	CYP21A2	cytochrome P450, family 21, subfamily A, polypeptide 2	-1.73434	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000500	CYP21A2	cytochrome P450, family 21, subfamily A, polypeptide 2	-1.19785	Inlier
siRNA Disorazole DMSO Run1	NM_000500	CYP21A2	cytochrome P450, family 21, subfamily A, polypeptide 2	-0.624416	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000500	CYP21A2	cytochrome P450, family 21, subfamily A, polypeptide 2	-0.284375	Inlier
siRNA Disorazole DMSO Run3	NM_000500	CYP21A2	cytochrome P450, family 21, subfamily A, polypeptide 2	0.284375	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000500	CYP21A2	cytochrome P450, family 21, subfamily A, polypeptide 2	0.337077	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000500	CYP21A2	cytochrome P450, family 21, subfamily A, polypeptide 2	0.724584	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_000500	CYP21A2	cytochrome P450, family 21, subfamily A, polypeptide 2	1.702436	Inlier
siRNA Disorazole DMSO Run2	NM_000782	CYP24A1	cytochrome P450, family 24, subfamily A, polypeptide 1	-0.822361	Inlier
siRNA Disorazole DMSO Run3	NM_000782	CYP24A1	cytochrome P450, family 24, subfamily A, polypeptide 1	-0.708106	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000782	CYP24A1	cytochrome P450, family 24, subfamily A, polypeptide 1	-0.640894	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000782	CYP24A1	cytochrome P450, family 24, subfamily A, polypeptide 1	-0.11589	Inlier
siRNA Disorazole DMSO Run1	NM_000782	CYP24A1	cytochrome P450, family 24, subfamily A, polypeptide 1	0.11589	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000782	CYP24A1	cytochrome P450, family 24, subfamily A, polypeptide 1	0.122233	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_000782	CYP24A1	cytochrome P450, family 24, subfamily A, polypeptide 1	0.829053	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000782	CYP24A1	cytochrome P450, family 24, subfamily A, polypeptide 1	0.830567	Inlier
siRNA-Temozolomide Run2-DMSO	NM_057157	CYP26A1	cytochrome P450, family 26, subfamily A, polypeptide 1	-1.393738	Inlier
siRNA-Temozolomide Run3-DMSO	NM_057157	CYP26A1	cytochrome P450, family 26, subfamily A, polypeptide 1	-1.107592	Inlier
siRNA Disorazole DMSO Run1	NM_057157	CYP26A1	cytochrome P450, family 26, subfamily A, polypeptide 1	-0.241407	Inlier
siRNA Disorazole DMSO Run3	NM_057157	CYP26A1	cytochrome P450, family 26, subfamily A, polypeptide 1	-0.022759	Inlier
siRNA Disorazole DMSO Run2	NM_057157	CYP26A1	cytochrome P450, family 26, subfamily A, polypeptide 1	0.022759	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0571 57	CYP26A1	cytochrome P450, family 26, subfamily A, polypeptide 1	0.112613	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0571 57	CYP26A1	cytochrome P450, family 26, subfamily A, polypeptide 1	1.896778	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0571 57	CYP26A1	cytochrome P450, family 26, subfamily B, polypeptide 1	2.201312	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0198 85	CYP26B1	cytochrome P450, family 26, subfamily B, polypeptide 1	-1.464055	Inlier
siRNA Disorazole DMSO Run1	NM_0198 85	CYP26B1	cytochrome P450, family 26, subfamily B, polypeptide 1	-1.426823	Inlier
siRNA Disorazole DMSO Run3	NM_0198 85	CYP26B1	cytochrome P450, family 26, subfamily B, polypeptide 1	-0.399929	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0198 85	CYP26B1	cytochrome P450, family 26, subfamily B, polypeptide 1	-0.397885	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0198 85	CYP26B1	cytochrome P450, family 26, subfamily B, polypeptide 1	0.397886	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0198 85	CYP26B1	cytochrome P450, family 26, subfamily B, polypeptide 1	0.614947	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0198 85	CYP26B1	cytochrome P450, family 26, subfamily B, polypeptide 1	0.734053	Inlier
siRNA Disorazole DMSO Run2	NM_0198 85	CYP26B1	cytochrome P450, family 26, subfamily C, polypeptide 1	1.73659	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1833 74	CYP26C1	cytochrome P450, family 26, subfamily C, polypeptide 1	-0.992863	Inlier
siRNA Disorazole DMSO Run1	NM_1833 74	CYP26C1	cytochrome P450, family 26, subfamily C, polypeptide 1	-0.674912	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1833 74	CYP26C1	cytochrome P450, family 26, subfamily C, polypeptide 1	-0.65632	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_183374	CYP26C1	cytochrome P450, family 26, subfamily C, polypeptide 1	-0.126054	Inlier
siRNA-Vinblastine Run2-DMSO	NM_183374	CYP26C1	cytochrome P450, family 26, subfamily C, polypeptide 1	0.126054	Inlier
siRNA Disorazole DMSO Run3	NM_183374	CYP26C1	cytochrome P450, family 26, subfamily C, polypeptide 1	0.674088	Inlier
siRNA Disorazole DMSO Run2	NM_183374	CYP26C1	cytochrome P450, family 26, subfamily C, polypeptide 1	1.095331	Inlier
siRNA-Vinblastine Run1-DMSO	NM_183374	CYP26C1	cytochrome P450, family 27, subfamily A, polypeptide 1	1.273795	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000784	CYP27A1	cytochrome P450, family 27, subfamily A, polypeptide 1	-1.758245	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000784	CYP27A1	cytochrome P450, family 27, subfamily A, polypeptide 1	-1.440389	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0007 84	CYP27A1	cytochrome P450, family 27, subfamily A, polypeptide 1	-0.89578	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0007 84	CYP27A1	cytochrome P450, family 27, subfamily A, polypeptide 1	-0.116614	Inlier
siRNA Disorazole DMSO Run1	NM_0007 84	CYP27A1	cytochrome P450, family 27, subfamily A, polypeptide 1	0.116614	Inlier
siRNA Disorazole DMSO Run2	NM_0007 84	CYP27A1	cytochrome P450, family 27, subfamily A, polypeptide 1	0.228446	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0007 84	CYP27A1	cytochrome P450, family 27, subfamily A, polypeptide 1	0.45322	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0007 84	CYP27A1	cytochrome P450, family 27, subfamily A, polypeptide 1	1.171891	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0007 85	CYP27B1	cytochrome P450, family 27, subfamily B, polypeptide 1	-1.15835	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_000785	CYP27B1	cytochrome P450, family 27, subfamily B, polypeptide 1	-0.688646	Inlier
siRNA Disorazole DMSO Run1	NM_000785	CYP27B1	cytochrome P450, family 27, subfamily B, polypeptide 1	-0.660354	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000785	CYP27B1	cytochrome P450, family 27, subfamily B, polypeptide 1	-0.034449	Inlier
siRNA Disorazole DMSO Run3	NM_000785	CYP27B1	cytochrome P450, family 27, subfamily B, polypeptide 1	0.034448	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000785	CYP27B1	cytochrome P450, family 27, subfamily B, polypeptide 1	0.646713	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000785	CYP27B1	cytochrome P450, family 27, subfamily B, polypeptide 1	0.724976	Inlier
siRNA Disorazole DMSO Run2	NM_000785	CYP27B1	cytochrome P450, family 27, subfamily B, polypeptide 1	1.950717	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Enzyme	Protein Description	Log Fold Change	Classification
siRNA-Temozolomide Run2-DMSO	NM_000766	CYP2A13	cytochrome P450, family 2, subfamily A, polypeptide 13	-4.105457	Outlier
siRNA-Temozolomide Run1-DMSO	NM_000766	CYP2A13	cytochrome P450, family 2, subfamily A, polypeptide 13	-2.032998	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000766	CYP2A13	cytochrome P450, family 2, subfamily A, polypeptide 13	-0.391708	Inlier
siRNA Disorazole DMSO Run1	NM_000766	CYP2A13	cytochrome P450, family 2, subfamily A, polypeptide 13	-0.233301	Inlier
siRNA Disorazole DMSO Run2	NM_000766	CYP2A13	cytochrome P450, family 2, subfamily A, polypeptide 13	0.233303	Inlier
siRNA Disorazole DMSO Run3	NM_000766	CYP2A13	cytochrome P450, family 2, subfamily A, polypeptide 13	0.420537	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000766	CYP2A13	cytochrome P450, family 2, subfamily A, polypeptide 13	0.928463	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_000766	CYP2A13	cytochrome P450, family 2, subfamily A, polypeptide 13	1.165041	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000762	CYP2A6	cytochrome P450, family 2, subfamily A, polypeptide 6	-1.219952	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000762	CYP2A6	cytochrome P450, family 2, subfamily A, polypeptide 6	-0.768792	Inlier
siRNA Disorazole DMSO Run1	NM_000762	CYP2A6	cytochrome P450, family 2, subfamily A, polypeptide 6	-0.320875	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000762	CYP2A6	cytochrome P450, family 2, subfamily A, polypeptide 6	-0.033783	Inlier
siRNA Disorazole DMSO Run3	NM_000762	CYP2A6	cytochrome P450, family 2, subfamily A, polypeptide 6	0.033783	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000762	CYP2A6	cytochrome P450, family 2, subfamily A, polypeptide 6	0.580208	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0007 62	CYP2A6	cytochrome P450, family 2, subfamily A, polypeptide 6	0.935167	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0007 62	CYP2A6	cytochrome P450, family 2, subfamily A, polypeptide 6	0.957154	Inlier
siRNA Disorazole DMSO Run3	NM_0305 89	CYP2A7	cytochrome P450, family 2, subfamily A, polypeptide 7	-0.71445	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0305 89	CYP2A7	cytochrome P450, family 2, subfamily A, polypeptide 7	-0.69829	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0305 89	CYP2A7	cytochrome P450, family 2, subfamily A, polypeptide 7	-0.65071	Inlier
siRNA Disorazole DMSO Run2	NM_0305 89	CYP2A7	cytochrome P450, family 2, subfamily A, polypeptide 7	-0.504213	Inlier
siRNA Disorazole DMSO Run1	NM_0305 89	CYP2A7	cytochrome P450, family 2, subfamily A, polypeptide 7	0.504213	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_030589	CYP2A7	cytochrome P450, family 2, subfamily A, polypeptide 7	0.52543	Inlier
siRNA-Vinblastine Run1-DMSO	NM_030589	CYP2A7	cytochrome P450, family 2, subfamily A, polypeptide 7	1.171734	Inlier
siRNA-Vinblastine Run2-DMSO	NM_030589	CYP2A7	cytochrome P450, family 2, subfamily A, polypeptide 7	1.702113	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000767	CYP2B6	cytochrome P450, family 2, subfamily B, polypeptide 6	-0.899325	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000767	CYP2B6	cytochrome P450, family 2, subfamily B, polypeptide 6	-0.738537	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000767	CYP2B6	cytochrome P450, family 2, subfamily B, polypeptide 6	-0.54824	Inlier
siRNA Disorazole DMSO Run1	NM_000767	CYP2B6	cytochrome P450, family 2, subfamily B, polypeptide 6	-0.17184	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0007 67	CYP2B6	cytochrome P450, family 2, subfamily B, polypeptide 6	0.17184	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0007 67	CYP2B6	cytochrome P450, family 2, subfamily B, polypeptide 6	0.610463	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0007 67	CYP2B6	cytochrome P450, family 2, subfamily B, polypeptide 6	1.037539	Inlier
siRNA Disorazole DMSO Run2	NM_0007 67	CYP2B6	cytochrome P450, family 2, subfamily C, polypeptide 6	1.650431	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0007 72	CYP2C18	cytochrome P450, family 2, subfamily C, polypeptide 18	-1.112842	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0007 72	CYP2C18	cytochrome P450, family 2, subfamily C, polypeptide 18	-0.236158	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0007 72	CYP2C18	cytochrome P450, family 2, subfamily C, polypeptide 18	-0.148218	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0007 72	CYP2C18	cytochrome P450, family 2, subfamily C, polypeptide 18	-0.010306	Inlier
siRNA Disorazole DMSO Run2	NM_0007 72	CYP2C18	cytochrome P450, family 2, subfamily C, polypeptide 18	0.010304	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0007 72	CYP2C18	cytochrome P450, family 2, subfamily C, polypeptide 18	1.309881	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0007 72	CYP2C18	cytochrome P450, family 2, subfamily C, polypeptide 18	1.570908	Inlier
siRNA Disorazole DMSO Run3	NM_0007 72	CYP2C18	cytochrome P450, family 2, subfamily C, polypeptide 18	2.011878	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0007 69	CYP2C19	cytochrome P450, family 2, subfamily C, polypeptide 19	-2.368857	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0007 69	CYP2C19	cytochrome P450, family 2, subfamily C, polypeptide 19	-1.858553	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0007 69	CYP2C19	cytochrome P450, family 2, subfamily C, polypeptide 19	-0.618635	Inlier
siRNA Disorazole DMSO Run2	NM_0007 69	CYP2C19	cytochrome P450, family 2, subfamily C, polypeptide 19	-0.001315	Inlier
siRNA Disorazole DMSO Run3	NM_0007 69	CYP2C19	cytochrome P450, family 2, subfamily C, polypeptide 19	0.001315	Inlier
siRNA Disorazole DMSO Run1	NM_0007 69	CYP2C19	cytochrome P450, family 2, subfamily C, polypeptide 19	0.636415	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0007 69	CYP2C19	cytochrome P450, family 2, subfamily C, polypeptide 19	0.712584	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0007 69	CYP2C19	cytochrome P450, family 2, subfamily C, polypeptide 19	0.861052	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0007 70	CYP2C8	cytochrome P450, family 2, subfamily C, polypeptide 8	-1.20978	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_000770	CYP2C8	cytochrome P450, family 2, subfamily C, polypeptide 8	-1.117265	Inlier
siRNA Disorazole DMSO Run3	NM_000770	CYP2C8	cytochrome P450, family 2, subfamily C, polypeptide 8	-0.813938	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000770	CYP2C8	cytochrome P450, family 2, subfamily C, polypeptide 8	-0.123057	Inlier
siRNA Disorazole DMSO Run1	NM_000770	CYP2C8	cytochrome P450, family 2, subfamily C, polypeptide 8	0.123056	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000770	CYP2C8	cytochrome P450, family 2, subfamily C, polypeptide 8	0.341916	Inlier
siRNA Disorazole DMSO Run2	NM_000770	CYP2C8	cytochrome P450, family 2, subfamily C, polypeptide 8	0.535062	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000770	CYP2C8	cytochrome P450, family 2, subfamily C, polypeptide 8	1.854019	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_000771	CYP2C9	cytochrome P450, family 2, subfamily C, polypeptide 9	-1.801739	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000771	CYP2C9	cytochrome P450, family 2, subfamily C, polypeptide 9	-1.439093	Inlier
siRNA Disorazole DMSO Run1	NM_000771	CYP2C9	cytochrome P450, family 2, subfamily C, polypeptide 9	-0.826018	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000771	CYP2C9	cytochrome P450, family 2, subfamily C, polypeptide 9	-0.194928	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000771	CYP2C9	cytochrome P450, family 2, subfamily C, polypeptide 9	0.194928	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000771	CYP2C9	cytochrome P450, family 2, subfamily C, polypeptide 9	0.196866	Inlier
siRNA Disorazole DMSO Run3	NM_000771	CYP2C9	cytochrome P450, family 2, subfamily C, polypeptide 9	0.522982	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0007 71	CYP2C9	cytochrome P450, family 2, subfamily C, polypeptide 9	1.180156	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 25161	CYP2D6	cytochrome P450, family 2, subfamily D, polypeptide 6	-0.797011	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 25161	CYP2D6	cytochrome P450, family 2, subfamily D, polypeptide 6	-0.677293	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 25161	CYP2D6	cytochrome P450, family 2, subfamily D, polypeptide 6	-0.671707	Inlier
siRNA Disorazole DMSO Run1	NM_0010 25161	CYP2D6	cytochrome P450, family 2, subfamily D, polypeptide 6	-0.298742	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 25161	CYP2D6	cytochrome P450, family 2, subfamily D, polypeptide 6	0.298742	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 25161	CYP2D6	cytochrome P450, family 2, subfamily D, polypeptide 6	0.397937	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0010 25161	CYP2D6	cytochrome P450, family 2, subfamily D, polypeptide 6	0.824856	Inlier
siRNA Disorazole DMSO Run2	NM_0010 25161	CYP2D6	cytochrome P450, family 2, subfamily D, polypeptide 6	1.167874	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0007 73	CYP2E1	cytochrome P450, family 2, subfamily E, polypeptide 1	-2.128295	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0007 73	CYP2E1	cytochrome P450, family 2, subfamily E, polypeptide 1	-0.796358	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0007 73	CYP2E1	cytochrome P450, family 2, subfamily E, polypeptide 1	-0.526487	Inlier
siRNA Disorazole DMSO Run3	NM_0007 73	CYP2E1	cytochrome P450, family 2, subfamily E, polypeptide 1	-0.115631	Inlier
siRNA Disorazole DMSO Run1	NM_0007 73	CYP2E1	cytochrome P450, family 2, subfamily E, polypeptide 1	0.115631	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_000773	CYP2E1	cytochrome P450, family 2, subfamily E, polypeptide 1	0.552641	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000773	CYP2E1	cytochrome P450, family 2, subfamily E, polypeptide 1	0.999485	Inlier
siRNA Disorazole DMSO Run2	NM_000773	CYP2E1	cytochrome P450, family 2, subfamily E, polypeptide 1	4.94306	Outlier
siRNA Disorazole DMSO Run1	NM_000774	CYP2F1	cytochrome P450, family 2, subfamily F, polypeptide 1	-0.881942	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000774	CYP2F1	cytochrome P450, family 2, subfamily F, polypeptide 1	-0.785531	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000774	CYP2F1	cytochrome P450, family 2, subfamily F, polypeptide 1	-0.108785	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000774	CYP2F1	cytochrome P450, family 2, subfamily F, polypeptide 1	-0.033034	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0007 74	CYP2F1	cytochrome P450, family 2, subfamily F, polypeptide 1	0.033035	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0007 74	CYP2F1	cytochrome P450, family 2, subfamily F, polypeptide 1	0.563469	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0007 74	CYP2F1	cytochrome P450, family 2, subfamily F, polypeptide 1	0.867153	Inlier
siRNA Disorazole DMSO Run2	NM_0007 74	CYP2F1	cytochrome P450, family 2, subfamily J, polypeptide 1	1.484457	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0007 75	CYP2J2	cytochrome P450, family 2, subfamily J, polypeptide 2	-3.822491	Outlier
siRNA Disorazole DMSO Run1	NM_0007 75	CYP2J2	cytochrome P450, family 2, subfamily J, polypeptide 2	-1.00086	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0007 75	CYP2J2	cytochrome P450, family 2, subfamily J, polypeptide 2	-0.522869	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_000775	CYP2J2	cytochrome P450, family 2, subfamily J, polypeptide 2	-0.423174	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000775	CYP2J2	cytochrome P450, family 2, subfamily J, polypeptide 2	0.423175	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000775	CYP2J2	cytochrome P450, family 2, subfamily J, polypeptide 2	0.592611	Inlier
siRNA Disorazole DMSO Run3	NM_000775	CYP2J2	cytochrome P450, family 2, subfamily J, polypeptide 2	0.756388	Inlier
siRNA Disorazole DMSO Run2	NM_000775	CYP2J2	cytochrome P450, family 2, subfamily R, polypeptide 2	2.051872	Inlier
siRNA-Temozolomide Run3-DMSO	NM_024514	CYP2R1	cytochrome P450, family 2, subfamily R, polypeptide 1	-1.268061	Inlier
siRNA-Temozolomide Run2-DMSO	NM_024514	CYP2R1	cytochrome P450, family 2, subfamily R, polypeptide 1	-0.872504	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0245 14	CYP2R1	cytochrome P450, family 2, subfamily R, polypeptide 1	-0.476496	Inlier
siRNA-Temozolomide DMSO Run1-	NM_0245 14	CYP2R1	cytochrome P450, family 2, subfamily R, polypeptide 1	-0.025406	Inlier
siRNA Disorazole DMSO Run3	NM_0245 14	CYP2R1	cytochrome P450, family 2, subfamily R, polypeptide 1	0.025406	Inlier
siRNA Disorazole DMSO Run1	NM_0245 14	CYP2R1	cytochrome P450, family 2, subfamily R, polypeptide 1	0.380098	Inlier
siRNA-Vinblastine DMSO Run2-	NM_0245 14	CYP2R1	cytochrome P450, family 2, subfamily R, polypeptide 1	0.944558	Inlier
siRNA-Vinblastine DMSO Run1-	NM_0245 14	CYP2R1	cytochrome P450, family 2, subfamily S, polypeptide 1	1.35436	Inlier
siRNA-Temozolomide DMSO Run3-	NM_0306 22	CYP2S1	polypeptide 1	-2.046578	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_030622	CYP2S1	cytochrome P450, family 2, subfamily S, polypeptide 1	-0.867259	Inlier
siRNA-Temozolomide Run1-DMSO	NM_030622	CYP2S1	cytochrome P450, family 2, subfamily S, polypeptide 1	-0.602673	Inlier
siRNA Disorazole DMSO Run1	NM_030622	CYP2S1	cytochrome P450, family 2, subfamily S, polypeptide 1	-0.226114	Inlier
siRNA Disorazole DMSO Run3	NM_030622	CYP2S1	cytochrome P450, family 2, subfamily S, polypeptide 1	0.226115	Inlier
siRNA Disorazole DMSO Run2	NM_030622	CYP2S1	cytochrome P450, family 2, subfamily S, polypeptide 1	0.522824	Inlier
siRNA-Vinblastine Run1-DMSO	NM_030622	CYP2S1	cytochrome P450, family 2, subfamily S, polypeptide 1	0.746327	Inlier
siRNA-Vinblastine Run2-DMSO	NM_030622	CYP2S1	cytochrome P450, family 2, subfamily S, polypeptide 1	1.094864	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_1830 75	CYP2U1	cytochrome P450, family 2, subfamily U, polypeptide 1	-0.820663	Inlier
siRNA Disorazole DMSO Run1	NM_1830 75	CYP2U1	cytochrome P450, family 2, subfamily U, polypeptide 1	-0.672092	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1830 75	CYP2U1	cytochrome P450, family 2, subfamily U, polypeptide 1	-0.530552	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1830 75	CYP2U1	cytochrome P450, family 2, subfamily U, polypeptide 1	-0.150326	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1830 75	CYP2U1	cytochrome P450, family 2, subfamily U, polypeptide 1	0.150325	Inlier
siRNA Disorazole DMSO Run3	NM_1830 75	CYP2U1	cytochrome P450, family 2, subfamily U, polypeptide 1	0.676908	Inlier
siRNA Disorazole DMSO Run2	NM_1830 75	CYP2U1	cytochrome P450, family 2, subfamily U, polypeptide 1	0.853517	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_183075	CYP2U1	cytochrome P450, family 2, subfamily U, polypeptide 1	0.877765	Inlier
siRNA-Temozolomide Run2-DMSO	NM_017781	CYP2W1	cytochrome P450, family 2, subfamily W, polypeptide 1	-1.153889	Inlier
siRNA-Temozolomide Run3-DMSO	NM_017781	CYP2W1	cytochrome P450, family 2, subfamily W, polypeptide 1	-0.832406	Inlier
siRNA Disorazole DMSO Run2	NM_017781	CYP2W1	cytochrome P450, family 2, subfamily W, polypeptide 1	-0.426046	Inlier
siRNA Disorazole DMSO Run3	NM_017781	CYP2W1	cytochrome P450, family 2, subfamily W, polypeptide 1	-0.221696	Inlier
siRNA Disorazole DMSO Run1	NM_017781	CYP2W1	cytochrome P450, family 2, subfamily W, polypeptide 1	0.221696	Inlier
siRNA-Temozolomide Run1-DMSO	NM_017781	CYP2W1	cytochrome P450, family 2, subfamily W, polypeptide 1	0.516594	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_017781	CYP2W1	cytochrome P450, family 2, subfamily W, polypeptide 1	1.145891	Inlier
siRNA-Vinblastine Run2-DMSO	NM_017781	CYP2W1	cytochrome P450, family 2, subfamily W, polypeptide 1	1.72069	Inlier
siRNA-Temozolomide Run3-DMSO	NM_016593	CYP39A1	cytochrome P450, family 39, subfamily A, polypeptide 1	-2.999357	Inlier
siRNA Disorazole DMSO Run2	NM_016593	CYP39A1	cytochrome P450, family 39, subfamily A, polypeptide 1	-0.908567	Inlier
siRNA Disorazole DMSO Run3	NM_016593	CYP39A1	cytochrome P450, family 39, subfamily A, polypeptide 1	-0.230255	Inlier
siRNA-Temozolomide Run1-DMSO	NM_016593	CYP39A1	cytochrome P450, family 39, subfamily A, polypeptide 1	-0.184221	Inlier
siRNA-Temozolomide Run2-DMSO	NM_016593	CYP39A1	cytochrome P450, family 39, subfamily A, polypeptide 1	0.184221	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0165 93	CYP39A1	cytochrome P450, family 39, subfamily A, polypeptide 1	0.584959	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0165 93	CYP39A1	cytochrome P450, family 39, subfamily A, polypeptide 1	0.764041	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0165 93	CYP39A1	cytochrome P450, family 3, subfamily A, polypeptide 1	1.313279	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0174 60	CYP3A4	cytochrome P450, family 3, subfamily A, polypeptide 4	-1.778189	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0174 60	CYP3A4	cytochrome P450, family 3, subfamily A, polypeptide 4	-0.874707	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0174 60	CYP3A4	cytochrome P450, family 3, subfamily A, polypeptide 4	-0.624824	Inlier
siRNA Disorazole DMSO Run1	NM_0174 60	CYP3A4	cytochrome P450, family 3, subfamily A, polypeptide 4	-0.022017	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0174 60	CYP3A4	cytochrome P450, family 3, subfamily A, polypeptide 4	0.022017	Inlier
siRNA Disorazole DMSO Run3	NM_0174 60	CYP3A4	cytochrome P450, family 3, subfamily A, polypeptide 4	0.328525	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0174 60	CYP3A4	cytochrome P450, family 3, subfamily A, polypeptide 4	0.724176	Inlier
siRNA Disorazole DMSO Run2	NM_0174 60	CYP3A4	cytochrome P450, family 3, subfamily A, polypeptide 4	2.762802	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0570 95	CYP3A43	cytochrome P450, family 3, subfamily A, polypeptide 43	-0.772204	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0570 95	CYP3A43	cytochrome P450, family 3, subfamily A, polypeptide 43	-0.640582	Inlier
siRNA Disorazole DMSO Run2	NM_0570 95	CYP3A43	cytochrome P450, family 3, subfamily A, polypeptide 43	-0.319336	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0570 95	CYP3A43	cytochrome P450, family 3, subfamily A, polypeptide 43	-0.070014	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0570 95	CYP3A43	cytochrome P450, family 3, subfamily A, polypeptide 43	0.070014	Inlier
siRNA Disorazole DMSO Run3	NM_0570 95	CYP3A43	cytochrome P450, family 3, subfamily A, polypeptide 43	0.708418	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0570 95	CYP3A43	cytochrome P450, family 3, subfamily A, polypeptide 43	0.812319	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0570 95	CYP3A43	cytochrome P450, family 3, subfamily A, polypeptide 43	0.828224	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0007 77	CYP3A5	cytochrome P450, family 3, subfamily A, polypeptide 5	-1.927601	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0007 77	CYP3A5	cytochrome P450, family 3, subfamily A, polypeptide 5	-1.213271	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_000777	CYP3A5	cytochrome P450, family 3, subfamily A, polypeptide 5	-0.431304	Inlier
siRNA Disorazole DMSO Run1	NM_000777	CYP3A5	cytochrome P450, family 3, subfamily A, polypeptide 5	-0.131233	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000777	CYP3A5	cytochrome P450, family 3, subfamily A, polypeptide 5	0.131233	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000777	CYP3A5	cytochrome P450, family 3, subfamily A, polypeptide 5	0.56217	Inlier
siRNA Disorazole DMSO Run3	NM_000777	CYP3A5	cytochrome P450, family 3, subfamily A, polypeptide 5	0.78683	Inlier
siRNA Disorazole DMSO Run2	NM_000777	CYP3A5	cytochrome P450, family 3, subfamily A, polypeptide 5	8.727263	Outlier
siRNA-Temozolomide Run2-DMSO	NM_000765	CYP3A7	cytochrome P450, family 3, subfamily A, polypeptide 7	-1.429673	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_000765	CYP3A7	cytochrome P450, family 3, subfamily A, polypeptide 7	-0.941105	Inlier
siRNA Disorazole DMSO Run3	NM_000765	CYP3A7	cytochrome P450, family 3, subfamily A, polypeptide 7	-0.112644	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000765	CYP3A7	cytochrome P450, family 3, subfamily A, polypeptide 7	-0.088851	Inlier
siRNA Disorazole DMSO Run1	NM_000765	CYP3A7	cytochrome P450, family 3, subfamily A, polypeptide 7	0.088851	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000765	CYP3A7	cytochrome P450, family 3, subfamily A, polypeptide 7	0.653444	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000765	CYP3A7	cytochrome P450, family 3, subfamily A, polypeptide 7	0.695556	Inlier
siRNA Disorazole DMSO Run2	NM_000765	CYP3A7	cytochrome P450, family 3, subfamily A, polypeptide 7	0.806444	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0066 68	CYP46A1	cytochrome P450, family 46, subfamily A, polypeptide 1	-0.982086	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0066 68	CYP46A1	cytochrome P450, family 46, subfamily A, polypeptide 1	-0.707146	Inlier
siRNA Disorazole DMSO Run3	NM_0066 68	CYP46A1	cytochrome P450, family 46, subfamily A, polypeptide 1	-0.641854	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0066 68	CYP46A1	cytochrome P450, family 46, subfamily A, polypeptide 1	-0.394683	Inlier
siRNA Disorazole DMSO Run1	NM_0066 68	CYP46A1	cytochrome P450, family 46, subfamily A, polypeptide 1	0.394683	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0066 68	CYP46A1	cytochrome P450, family 46, subfamily A, polypeptide 1	0.551149	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0066 68	CYP46A1	cytochrome P450, family 46, subfamily A, polypeptide 1	0.927816	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_006668	CYP46A1	cytochrome P450, family 46, subfamily A, polypeptide 1	1.182377	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000778	CYP4A11	cytochrome P450, family 4, subfamily A, polypeptide 11	-0.83216	Inlier
siRNA Disorazole DMSO Run3	NM_000778	CYP4A11	cytochrome P450, family 4, subfamily A, polypeptide 11	-0.51684	Inlier
siRNA Disorazole DMSO Run1	NM_000778	CYP4A11	cytochrome P450, family 4, subfamily A, polypeptide 11	-0.135814	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000778	CYP4A11	cytochrome P450, family 4, subfamily A, polypeptide 11	-0.030772	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000778	CYP4A11	cytochrome P450, family 4, subfamily A, polypeptide 11	0.030772	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000778	CYP4A11	cytochrome P450, family 4, subfamily A, polypeptide 11	1.316765	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_000778	CYP4A11	cytochrome P450, family 4, subfamily A, polypeptide 11	1.467201	Inlier
siRNA Disorazole DMSO Run2	NM_000778	CYP4A11	cytochrome P450, family 4, subfamily A, polypeptide 11	2.446747	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000779	CYP4B1	cytochrome P450, family 4, subfamily B, polypeptide 1	-2.377049	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000779	CYP4B1	cytochrome P450, family 4, subfamily B, polypeptide 1	-1.372981	Inlier
siRNA Disorazole DMSO Run1	NM_000779	CYP4B1	cytochrome P450, family 4, subfamily B, polypeptide 1	-0.387674	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000779	CYP4B1	cytochrome P450, family 4, subfamily B, polypeptide 1	-0.36911	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000779	CYP4B1	cytochrome P450, family 4, subfamily B, polypeptide 1	0.369111	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_000779	CYP4B1	cytochrome P450, family 4, subfamily B, polypeptide 1	0.594571	Inlier
siRNA Disorazole DMSO Run3	NM_000779	CYP4B1	cytochrome P450, family 4, subfamily B, polypeptide 1	0.75443	Inlier
siRNA Disorazole DMSO Run2	NM_000779	CYP4B1	cytochrome P450, family 4, subfamily B, polypeptide 1	1.443267	Inlier
siRNA-Temozolomide Run3-DMSO	NM_021187	CYP4F11	cytochrome P450, family 4, subfamily F, polypeptide 11	-1.75368	Inlier
siRNA-Temozolomide Run2-DMSO	NM_021187	CYP4F11	cytochrome P450, family 4, subfamily F, polypeptide 11	-0.75388	Inlier
siRNA Disorazole DMSO Run3	NM_021187	CYP4F11	cytochrome P450, family 4, subfamily F, polypeptide 11	-0.592173	Inlier
siRNA-Temozolomide Run1-DMSO	NM_021187	CYP4F11	cytochrome P450, family 4, subfamily F, polypeptide 11	-0.182929	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0211 87	CYP4F11	cytochrome P450, family 4, subfamily F, polypeptide 11	0.18293	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0211 87	CYP4F11	cytochrome P450, family 4, subfamily F, polypeptide 11	0.59512	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0211 87	CYP4F11	cytochrome P450, family 4, subfamily F, polypeptide 11	0.790157	Inlier
siRNA Disorazole DMSO Run2	NM_0211 87	CYP4F11	cytochrome P450, family 4, subfamily F, polypeptide 11	0.841612	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0239 44	CYP4F12	cytochrome P450, family 4, subfamily F, polypeptide 12	-1.911244	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0239 44	CYP4F12	cytochrome P450, family 4, subfamily F, polypeptide 12	-0.64841	Inlier
siRNA Disorazole DMSO Run1	NM_0239 44	CYP4F12	cytochrome P450, family 4, subfamily F, polypeptide 12	-0.323738	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0239 44	CYP4F12	cytochrome P450, family 4, subfamily F, polypeptide 12	-0.196197	Inlier
siRNA Disorazole DMSO Run3	NM_0239 44	CYP4F12	cytochrome P450, family 4, subfamily F, polypeptide 12	0.196197	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0239 44	CYP4F12	cytochrome P450, family 4, subfamily F, polypeptide 12	0.70059	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0239 44	CYP4F12	cytochrome P450, family 4, subfamily F, polypeptide 12	1.296679	Inlier
siRNA Disorazole DMSO Run2	NM_0239 44	CYP4F12	cytochrome P450, family 4, subfamily F, polypeptide 12	1.799352	Inlier
siRNA Disorazole DMSO Run3	NM_0010 82	CYP4F2	cytochrome P450, family 4, subfamily F, polypeptide 2	-0.729597	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 82	CYP4F2	cytochrome P450, family 4, subfamily F, polypeptide 2	-0.677592	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0010 82	CYP4F2	cytochrome P450, family 4, subfamily F, polypeptide 2	-0.503303	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 82	CYP4F2	cytochrome P450, family 4, subfamily F, polypeptide 2	-0.47789	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 82	CYP4F2	cytochrome P450, family 4, subfamily F, polypeptide 2	0.47789	Inlier
siRNA Disorazole DMSO Run1	NM_0010 82	CYP4F2	cytochrome P450, family 4, subfamily F, polypeptide 2	0.671408	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 82	CYP4F2	cytochrome P450, family 4, subfamily F, polypeptide 2	1.603783	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 82	CYP4F2	cytochrome P450, family 4, subfamily F, polypeptide 2	1.717684	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0008 96	CYP4F3	polypeptide 3	-0.954898	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_000896	CYP4F3	cytochrome P450, family 4, subfamily F, polypeptide 3	-0.678868	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000896	CYP4F3	cytochrome P450, family 4, subfamily F, polypeptide 3	-0.670132	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000896	CYP4F3	cytochrome P450, family 4, subfamily F, polypeptide 3	-0.074158	Inlier
siRNA Disorazole DMSO Run1	NM_000896	CYP4F3	cytochrome P450, family 4, subfamily F, polypeptide 3	0.074158	Inlier
siRNA Disorazole DMSO Run3	NM_000896	CYP4F3	cytochrome P450, family 4, subfamily F, polypeptide 3	0.336382	Inlier
siRNA Disorazole DMSO Run2	NM_000896	CYP4F3	cytochrome P450, family 4, subfamily F, polypeptide 3	1.620915	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000896	CYP4F3	cytochrome P450, family 4, subfamily F, polypeptide 3	2.488609	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0072 53	CYP4F8	cytochrome P450, family 4, subfamily F, polypeptide 8	-1.655821	Inlier
siRNA Disorazole DMSO Run2	NM_0072 53	CYP4F8	cytochrome P450, family 4, subfamily F, polypeptide 8	-0.3423	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0072 53	CYP4F8	cytochrome P450, family 4, subfamily F, polypeptide 8	-0.148892	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0072 53	CYP4F8	cytochrome P450, family 4, subfamily F, polypeptide 8	-0.148246	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0072 53	CYP4F8	cytochrome P450, family 4, subfamily F, polypeptide 8	0.148248	Inlier
siRNA Disorazole DMSO Run1	NM_0072 53	CYP4F8	cytochrome P450, family 4, subfamily F, polypeptide 8	1.0067	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0072 53	CYP4F8	cytochrome P450, family 4, subfamily F, polypeptide 8	1.917867	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_007253	CYP4F8	cytochrome P450, family 4, subfamily F, polypeptide 8	4.180714	Outlier
siRNA-Temozolomide Run2-DMSO	NM_178033	CYP4X1	cytochrome P450, family 4, subfamily X, polypeptide 1	-1.042701	Inlier
siRNA-Temozolomide Run3-DMSO	NM_178033	CYP4X1	cytochrome P450, family 4, subfamily X, polypeptide 1	-0.97688	Inlier
siRNA Disorazole DMSO Run3	NM_178033	CYP4X1	cytochrome P450, family 4, subfamily X, polypeptide 1	-0.529026	Inlier
siRNA-Temozolomide Run1-DMSO	NM_178033	CYP4X1	cytochrome P450, family 4, subfamily X, polypeptide 1	-0.030034	Inlier
siRNA Disorazole DMSO Run1	NM_178033	CYP4X1	cytochrome P450, family 4, subfamily X, polypeptide 1	0.030034	Inlier
siRNA-Vinblastine Run2-DMSO	NM_178033	CYP4X1	cytochrome P450, family 4, subfamily X, polypeptide 1	0.57505	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_1780 33	CYP4X1	cytochrome P450, family 4, subfamily X, polypeptide 1	0.77395	Inlier
siRNA Disorazole DMSO Run2	NM_1780 33	CYP4X1	cytochrome P450, family 4, subfamily X, polypeptide 1	1.741676	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1781 34	CYP4Z1	cytochrome P450, family 4, subfamily Z, polypeptide 1	-0.883198	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1781 34	CYP4Z1	cytochrome P450, family 4, subfamily Z, polypeptide 1	-0.789336	Inlier
siRNA Disorazole DMSO Run1	NM_1781 34	CYP4Z1	cytochrome P450, family 4, subfamily Z, polypeptide 1	-0.688622	Inlier
siRNA Disorazole DMSO Run3	NM_1781 34	CYP4Z1	cytochrome P450, family 4, subfamily Z, polypeptide 1	-0.081143	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1781 34	CYP4Z1	cytochrome P450, family 4, subfamily Z, polypeptide 1	0.081144	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_178134	CYP4Z1	cytochrome P450, family 4, subfamily Z, polypeptide 1	0.322325	Inlier
siRNA-Temozolomide Run3-DMSO	NM_178134	CYP4Z1	cytochrome P450, family 4, subfamily Z, polypeptide 1	0.660378	Inlier
siRNA Disorazole DMSO Run2	NM_178134	CYP4Z1	cytochrome P450, family 51, subfamily A, polypeptide 1	2.43242	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000786	CYP51A1	cytochrome P450, family 51, subfamily A, polypeptide 1	-0.892381	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000786	CYP51A1	cytochrome P450, family 51, subfamily A, polypeptide 1	-0.704839	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000786	CYP51A1	cytochrome P450, family 51, subfamily A, polypeptide 1	-0.64416	Inlier
siRNA Disorazole DMSO Run3	NM_000786	CYP51A1	cytochrome P450, family 51, subfamily A, polypeptide 1	-0.447493	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0007 86	CYP51A1	cytochrome P450, family 51, subfamily A, polypeptide 1	0.447493	Inlier
siRNA Disorazole DMSO Run2	NM_0007 86	CYP51A1	cytochrome P450, family 51, subfamily A, polypeptide 1	0.52788	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0007 86	CYP51A1	cytochrome P450, family 51, subfamily A, polypeptide 1	1.311189	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0007 86	CYP51A1	cytochrome P450, family 7, subfamily A, polypeptide 1	1.687555	Inlier
siRNA Disorazole DMSO Run2	NM_0007 80	CYP7A1	cytochrome P450, family 7, subfamily A, polypeptide 1	-1.080724	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0007 80	CYP7A1	cytochrome P450, family 7, subfamily A, polypeptide 1	-0.812782	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0007 80	CYP7A1	cytochrome P450, family 7, subfamily A, polypeptide 1	-0.470876	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0007 80	CYP7A1	cytochrome P450, family 7, subfamily A, polypeptide 1	-0.220625	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0007 80	CYP7A1	cytochrome P450, family 7, subfamily A, polypeptide 1	0.220625	Inlier
siRNA Disorazole DMSO Run1	NM_0007 80	CYP7A1	cytochrome P450, family 7, subfamily A, polypeptide 1	0.642035	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0007 80	CYP7A1	cytochrome P450, family 7, subfamily A, polypeptide 1	0.706965	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0007 80	CYP7A1	cytochrome P450, family 7, subfamily B, polypeptide 1	1.386019	Inlier
siRNA Disorazole DMSO Run2	NM_0048 20	CYP7B1	cytochrome P450, family 7, subfamily B, polypeptide 1	-0.914972	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0048 20	CYP7B1	cytochrome P450, family 7, subfamily B, polypeptide 1	-0.689049	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0048 20	CYP7B1	cytochrome P450, family 7, subfamily B, polypeptide 1	-0.65995	Inlier
siRNA Disorazole DMSO Run1	NM_0048 20	CYP7B1	cytochrome P450, family 7, subfamily B, polypeptide 1	-0.048664	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0048 20	CYP7B1	cytochrome P450, family 7, subfamily B, polypeptide 1	0.048665	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0048 20	CYP7B1	cytochrome P450, family 7, subfamily B, polypeptide 1	0.601457	Inlier
siRNA Disorazole DMSO Run3	NM_0048 20	CYP7B1	cytochrome P450, family 7, subfamily B, polypeptide 1	0.838445	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0048 20	CYP7B1	cytochrome P450, family 8, subfamily B, polypeptide 1	0.951379	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0043 91	CYP8B1	polypeptide 1	-1.406051	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_004391	CYP8B1	cytochrome P450, family 8, subfamily B, polypeptide 1	-1.059946	Inlier
siRNA Disorazole DMSO Run3	NM_004391	CYP8B1	cytochrome P450, family 8, subfamily B, polypeptide 1	-0.708873	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004391	CYP8B1	cytochrome P450, family 8, subfamily B, polypeptide 1	-0.390553	Inlier
siRNA Disorazole DMSO Run1	NM_004391	CYP8B1	cytochrome P450, family 8, subfamily B, polypeptide 1	0.390553	Inlier
siRNA Disorazole DMSO Run2	NM_004391	CYP8B1	cytochrome P450, family 8, subfamily B, polypeptide 1	0.393777	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004391	CYP8B1	cytochrome P450, family 8, subfamily B, polypeptide 1	0.640127	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004391	CYP8B1	cytochrome P450, family 8, subfamily B, polypeptide 1	1.185368	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Accession	Value	Outlier Type
siRNA-Temozolomide Run3-DMSO	NM_006639	CYSLTR1	1	-0.761097	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006639	CYSLTR1	1	-0.587903	Inlier
siRNA Disorazole DMSO Run2	NM_006639	CYSLTR1	1	-0.379532	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006639	CYSLTR1	1	-0.037802	Inlier
siRNA Disorazole DMSO Run3	NM_006639	CYSLTR1	1	0.037802	Inlier
siRNA Disorazole DMSO Run1	NM_006639	CYSLTR1	1	1.248437	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006639	CYSLTR1	1	1.670763	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006639	CYSLTR1	1	2.181524	Inlier
siRNA-Temozolomide Run3-DMSO	NM_020377	CYSLTR2	2	-2.242571	Inlier
siRNA-Temozolomide Run2-DMSO	NM_020377	CYSLTR2	2	-1.696567	Inlier
siRNA Disorazole DMSO Run2	NM_020377	CYSLTR2	2	-0.545874	Inlier
siRNA-Temozolomide Run1-DMSO	NM_020377	CYSLTR2	2	-0.237041	Inlier
siRNA Disorazole DMSO Run1	NM_020377	CYSLTR2	2	0.237041	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0203 77	CYSLTR2	cysteinyl leukotrien e receptor 2	0.312154	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0203 77	CYSLTR2	cysteinyl leukotrien e receptor 2	0.803126	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0203 77	CYSLTR2	cysteinyl leukotrien e receptor 2	0.8603	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1304 68	D4ST1	dermatan 4 sulfotransf erase 1 4	-0.778052	Inlier
siRNA Disorazole DMSO Run3	NM_1304 68	D4ST1	dermatan 4 sulfotransf erase 1 4	-0.720756	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1304 68	D4ST1	dermatan 4 sulfotransf erase 1 4	-0.084907	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1304 68	D4ST1	dermatan 4 sulfotransf erase 1 4	-0.071662	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1304 68	D4ST1	dermatan 4 sulfotransf erase 1 4	0.071661	Inlier
siRNA Disorazole DMSO Run1	NM_1304 68	D4ST1	dermatan 4 sulfotransf erase 1 4	0.628244	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1304 68	D4ST1	dermatan 4 sulfotransf erase 1 4	5.112306	Outlier
siRNA Disorazole DMSO Run2	NM_1304 68	D4ST1	dermatan 4 sulfotransf erase 1 4	6.023149	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0210 80	DAB1	disabled homolog 1 (Drosophil a)	-1.271077	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0210 80	DAB1	disabled homolog 1 (Drosophila)	-0.723303	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0210 80	DAB1	disabled homolog 1 (Drosophila)	-0.721517	Inlier
siRNA Disorazole DMSO Run3	NM_0210 80	DAB1	disabled homolog 1 (Drosophila)	-0.289729	Inlier
siRNA Disorazole DMSO Run2	NM_0210 80	DAB1	disabled homolog 1 (Drosophila)	0.289729	Inlier
siRNA Disorazole DMSO Run1	NM_0210 80	DAB1	disabled homolog 1 (Drosophila)	0.477684	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0210 80	DAB1	disabled homolog 1 (Drosophila)	0.627483	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0210 80	DAB1	disabled homolog 1 (Drosophila)	1.041592	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0013 43	DAB2	disabled homolog 2, mitogen-responsive phosphoprotein (Drosophila)	-2.32643	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_001343	DAB2	disabled homolog 2, mitogen-responsive phosphoprotein (Drosophila)	-1.325368 Inlier
siRNA-Temozolomide Run1-DMSO	NM_001343	DAB2	disabled homolog 2, mitogen-responsive phosphoprotein (Drosophila)	-0.641165 Inlier
siRNA Disorazole DMSO Run1	NM_001343	DAB2	disabled homolog 2, mitogen-responsive phosphoprotein (Drosophila)	-0.439499 Inlier
siRNA-Vinblastine Run2-DMSO	NM_001343	DAB2	disabled homolog 2, mitogen-responsive phosphoprotein (Drosophila)	0.4395 Inlier
siRNA Disorazole DMSO Run3	NM_001343	DAB2	disabled homolog 2, mitogen-responsive phosphoprotein (Drosophila)	0.490665 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0013 43	DAB2	disabled homolog 2, mitogen-responsive phosphoprotein (Drosophila)	0.707835	Inlier
siRNA-Vinblastine DMSO Run1-	NM_0013 43	DAB2	disabled homolog 2, mitogen-responsive phosphoprotein (Drosophila)	1.544454	Inlier
siRNA-Temozolomide DMSO Run3-	NM_1387 09	DAB2IP	interacting protein DAB2	-1.897405	Inlier
siRNA-Temozolomide DMSO Run1-	NM_1387 09	DAB2IP	interacting protein DAB2	-1.223679	Inlier
siRNA-Temozolomide DMSO Run2-	NM_1387 09	DAB2IP	interacting protein DAB2	-0.785622	Inlier
siRNA Disorazole DMSO Run3	NM_1387 09	DAB2IP	interacting protein DAB2	-0.24719	Inlier
siRNA-Vinblastine DMSO Run2-	NM_1387 09	DAB2IP	interacting protein DAB2	0.247189	Inlier
siRNA Disorazole DMSO Run1	NM_1387 09	DAB2IP	interacting protein DAB2	0.405104	Inlier
siRNA Disorazole DMSO Run2	NM_1387 09	DAB2IP	interacting protein DAB2	0.563378	Inlier
siRNA-Vinblastine DMSO Run1-	NM_1387 09	DAB2IP	interacting protein DAB2	1.337586	Inlier
siRNA-Temozolomide DMSO Run3-	NM_0019 17	DAO	D-amino-acid oxidase	-0.765823	Inlier
siRNA Disorazole DMSO Run1	NM_0019 17	DAO	D-amino-acid oxidase	-0.583177	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology					
siRNA-Temozolomide Run2-DMSO	NM_0019 17	DAO	D-amino-acid oxidase	-0.212546	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0019 17	DAO	D-amino-acid oxidase	-0.109206	Inlier
siRNA Disorazole DMSO Run3	NM_0019 17	DAO	D-amino-acid oxidase	0.109206	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0019 17	DAO	D-amino-acid oxidase	0.825182	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0019 17	DAO	D-amino-acid oxidase	1.361729	Inlier
siRNA Disorazole DMSO Run2	NM_0019 17	DAO	D-amino-acid oxidase	2.296366	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0188 38	DAP13	DAP13	-4.770936	Outlier
siRNA Disorazole DMSO Run2	NM_0188 38	DAP13	DAP13	-0.788386	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0188 38	DAP13	DAP13	-0.46872	Inlier
siRNA Disorazole DMSO Run1	NM_0188 38	DAP13	DAP13	-0.114222	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0188 38	DAP13	DAP13	0.114222	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0188 38	DAP13	DAP13	0.560614	Inlier
siRNA Disorazole DMSO Run3	NM_0188 38	DAP13	DAP13	4.408414	Outlier
siRNA-Vinblastine Run1-DMSO	NM_0188 38	DAP13	DAP13	5.13627	Outlier
siRNA Disorazole DMSO Run2	NM_0049 38	DAPK1	death-associated protein kinase 1	-1.486965	Inlier
siRNA Disorazole DMSO Run3	NM_0049 38	DAPK1	death-associated protein kinase 1	-0.715134	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0049 38	DAPK1	death-associated protein kinase 1	-0.706449	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0049 38	DAPK1	death-associated protein kinase 1	-0.049948	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0049 38	DAPK1	death-associated protein kinase 1	0.049948	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0049 38	DAPK1	death-associated protein kinase 1	0.252807	Inlier
siRNA Disorazole DMSO Run1	NM_0049 38	DAPK1	death-associated protein kinase 1	0.642551	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0049 38	DAPK1	death-associated protein kinase 1	1.357958	Inlier
siRNA Disorazole DMSO Run2	NM_0143 26	DAPK2	death-associated protein kinase 2	-1.991771	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0143 26	DAPK2	death-associated protein kinase 2	-1.165861	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0143 26	DAPK2	death-associated protein kinase 2	-0.491127	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0143 26	DAPK2	death-associated protein kinase 2	-0.205289	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0143 26	DAPK2	death-associated protein kinase 2	0.205288	Inlier
siRNA Disorazole DMSO Run3	NM_0143 26	DAPK2	death-associated protein kinase 2	0.324822	Inlier
siRNA Disorazole DMSO Run1	NM_0143 26	DAPK2	death-associated protein kinase 2	0.857873	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0143 26	DAPK2	death-associated protein kinase 2	1.61423	Inlier
siRNA Disorazole DMSO Run2	NM_0013 48	DAPK3	death-associated protein kinase 3	-1.798663	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0013 48	DAPK3	death-associated protein kinase 3	-1.457116	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0013 48	DAPK3	death-associated protein kinase 3	-0.611987	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0013 48	DAPK3	death-associated protein kinase 3	-0.12636	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0013 48	DAPK3	death-associated protein kinase 3	0.12636	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0013 48	DAPK3	death-associated protein kinase 3	0.241798	Inlier
siRNA Disorazole DMSO Run1	NM_0013 48	DAPK3	death-associated protein kinase 3	0.737013	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0013 48	DAPK3	death-associated protein kinase 3	0.928772	Inlier
siRNA Disorazole DMSO Run1	NM_0013 49	DARS	aspartyl-tRNA synthetase	-0.708726	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0013 49	DARS	aspartyl-tRNA synthetase	-0.640274	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0013 49	DARS	aspartyl-tRNA synthetase	-0.275851	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0013 49	DARS	aspartyl-tRNA synthetase	-0.045689	Inlier
siRNA Disorazole DMSO Run3	NM_0013 49	DARS	aspartyl-tRNA synthetase	0.045689	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0013 49	DARS	aspartyl-tRNA synthetase	1.031914	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0013 49	DARS	aspartyl-tRNA synthetase	3.494772	Inlier
siRNA Disorazole DMSO Run2	NM_0013 49	DARS	aspartyl-tRNA synthetase	3.816511	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0013 50	DAXX	death-associated protein 6	-1.073295	Inlier
siRNA Disorazole DMSO Run1	NM_0013 50	DAXX	death-associated protein 6	-0.808416	Inlier
siRNA Disorazole DMSO Run2	NM_0013 50	DAXX	death-associated protein 6	-0.753942	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0013 50	DAXX	death-associated protein 6	-0.025729	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0013 50	DAXX	death-associated protein 6	0.025729	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0013 50	DAXX	death-associated protein 6	0.08414	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0013 50	DAXX	death-associated protein 6	0.595058	Inlier
siRNA Disorazole DMSO Run3	NM_0013 50	DAXX	death-associated protein 6	3.054571	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0007 87	DBH	dopamine beta-hydroxylase (dopamine beta-monooxygenase)	-0.753987	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_000787	DBH	dopamine beta-hydroxylase (dopamine beta-monooxygenase)	-0.668818	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000787	DBH	dopamine beta-hydroxylase (dopamine beta-monooxygenase)	-0.491622	Inlier
siRNA Disorazole DMSO Run1	NM_000787	DBH	dopamine beta-hydroxylase (dopamine beta-monooxygenase)	-0.185506	Inlier
siRNA Disorazole DMSO Run3	NM_000787	DBH	dopamine beta-hydroxylase (dopamine beta-monooxygenase)	0.185505	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000787	DBH	dopamine beta-hydroxylase (dopamine beta-monooxygenase)	0.680182	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000787	DBH	dopamine beta-hydroxylase (dopamine beta-monooxygenase)	2.328629	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0007 87	DBH	dopamine beta- hydroxylas e (dopamine beta- monooxyg enase)	3.089596	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0205 48	DBI	diazepam binding inhibitor (GABA receptor modulator, acyl- Coenzyme A binding protein)	-1.660619	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0205 48	DBI	diazepam binding inhibitor (GABA receptor modulator, acyl- Coenzyme A binding protein)	-1.022534	Inlier
siRNA Disorazole DMSO Run1	NM_0205 48	DBI	diazepam binding inhibitor (GABA receptor modulator, acyl- Coenzyme A binding protein)	-0.212494	Inlier
siRNA Disorazole DMSO Run3	NM_0205 48	DBI	diazepam binding inhibitor (GABA receptor modulator, acyl- Coenzyme A binding protein)	-0.185903	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_020548	DBI	diazepam binding inhibitor (GABA receptor modulator, acyl-Coenzyme A binding protein)	0.185903	Inlier
siRNA-Vinblastine Run2-DMSO	NM_020548	DBI	diazepam binding inhibitor (GABA receptor modulator, acyl-Coenzyme A binding protein)	0.326466	Inlier
siRNA Disorazole DMSO Run2	NM_020548	DBI	diazepam binding inhibitor (GABA receptor modulator, acyl-Coenzyme A binding protein)	1.364875	Inlier
siRNA-Vinblastine Run1-DMSO	NM_020548	DBI	diazepam binding inhibitor (GABA receptor modulator, acyl-Coenzyme A binding protein)	1.382686	Inlier
siRNA-Temozolomide Run2-DMSO	NM_016216	DBR1	debranching enzyme homolog 1 (S. cerevisiae)	-1.008346	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0162 16	DBR1	debranching enzyme homolog 1 (S. cerevisiae)	-0.704053	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0162 16	DBR1	debranching enzyme homolog 1 (S. cerevisiae)	-0.291607	Inlier
siRNA Disorazole DMSO Run3	NM_0162 16	DBR1	debranching enzyme homolog 1 (S. cerevisiae)	-0.068469	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0162 16	DBR1	debranching enzyme homolog 1 (S. cerevisiae)	0.068469	Inlier
siRNA Disorazole DMSO Run1	NM_0162 16	DBR1	debranching enzyme homolog 1 (S. cerevisiae)	0.644947	Inlier
siRNA Disorazole DMSO Run2	NM_0162 16	DBR1	debranching enzyme homolog 1 (S. cerevisiae)	2.589849	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0162 16	DBR1	debranching enzyme homolog 1 (S. cerevisiae)	2.973392	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0019 18	DBT	dihydrolipo amide branched chain transacyla se E2	-0.797454	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0019 18	DBT	dihydrolipo amide branched chain transacyla se E2	-0.784124	Inlier
siRNA Disorazole DMSO Run2	NM_0019 18	DBT	dihydrolipo amide branched chain transacyla se E2	-0.564876	Inlier
siRNA Disorazole DMSO Run3	NM_0019 18	DBT	dihydrolipo amide branched chain transacyla se E2	-0.263239	Inlier
siRNA Disorazole DMSO Run1	NM_0019 18	DBT	dihydrolipo amide branched chain transacyla se E2	0.263239	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0019 18	DBT	dihydrolipo amide branched chain transacyla se E2	0.427954	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0019 18	DBT	dihydrolipo amide branched chain transacyla se E2	0.892588	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0019 18	DBT	transacyla se E2	1.593393	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0047 34	DCAMKL1	1	doublecort in and CaM kinase-like	-1.034245	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0047 34	DCAMKL1	1	doublecort in and CaM kinase-like	-0.506495	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0047 34	DCAMKL1	1	doublecort in and CaM kinase-like	-0.095237	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0047 34	DCAMKL1	1	doublecort in and CaM kinase-like	-0.020884	Inlier
siRNA Disorazole DMSO Run3	NM_0047 34	DCAMKL1	1	doublecort in and CaM kinase-like	0.020884	Inlier
siRNA Disorazole DMSO Run1	NM_0047 34	DCAMKL1	1	doublecort in and CaM kinase-like	0.842505	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0047 34	DCAMKL1	1	doublecort in and CaM kinase-like	0.967882	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0047 34	DCAMKL1	1	doublecort in and CaM kinase-like	1.533805	Inlier
siRNA Disorazole DMSO Run3	NM_0019 19	DCI	)	dodecenoyl- Coenzyme A delta isomerase (3,2 trans- enoyl- Coenzyme A isomerase	-1.019318	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_001919	DCI	dodecenoyl-Coenzyme A delta isomerase (3,2 trans-enoyl-Coenzyme A isomerase)	-0.945985	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001919	DCI	dodecenoyl-Coenzyme A delta isomerase (3,2 trans-enoyl-Coenzyme A isomerase)	-0.294186	Inlier
siRNA Disorazole DMSO Run1	NM_001919	DCI	dodecenoyl-Coenzyme A delta isomerase (3,2 trans-enoyl-Coenzyme A isomerase)	-0.095998	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001919	DCI	dodecenoyl-Coenzyme A delta isomerase (3,2 trans-enoyl-Coenzyme A isomerase)	0.095998	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_001919	DCI	dodecenoyl-Coenzyme A delta isomerase (3,2 trans-enoyl-Coenzyme A isomerase)	0.636365	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001919	DCI	dodecenoyl-Coenzyme A delta isomerase (3,2 trans-enoyl-Coenzyme A isomerase)	0.712635	Inlier
siRNA Disorazole DMSO Run2	NM_001919	DCI	dodecenoyl-Coenzyme A delta isomerase (3,2 trans-enoyl-Coenzyme A isomerase)	0.991751	Inlier
siRNA Disorazole DMSO Run2	NM_000788	DCK	deoxycytidine kinase	-3.293741	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000788	DCK	deoxycytidine kinase	-0.876674	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000788	DCK	deoxycytidine kinase	-0.472326	Inlier
siRNA Disorazole DMSO Run1	NM_000788	DCK	deoxycytidine kinase	-0.345741	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000788	DCK	deoxycytidine kinase	0.345742	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0007 88	DCK	deoxycytidine kinase	0.435149	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0007 88	DCK	deoxycytidine kinase	1.271171	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0007 88	DCK	deoxycytidine kinase	1.662025	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0321 51	DCOHM	6-pyruvoyl-tetrahydropterin synthase/dimerization cofactor of hepatocyte nuclear factor 1 alpha (TCF1) 2	-1.055655	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0321 51	DCOHM	6-pyruvoyl-tetrahydropterin synthase/dimerization cofactor of hepatocyte nuclear factor 1 alpha (TCF1) 2	-0.847701	Inlier
siRNA Disorazole DMSO Run1	NM_0321 51	DCOHM	6-pyruvoyl-tetrahydropterin synthase/dimerization cofactor of hepatocyte nuclear factor 1 alpha (TCF1) 2	-0.494446	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0321 51	DCOHM	6-pyruvoyl-tetrahydropterin synthase/dimerization cofactor of hepatocyte nuclear factor 1 alpha (TCF1) 2	-0.179603	Inlier
siRNA Disorazole DMSO Run3	NM_0321 51	DCOHM	6-pyruvoyl-tetrahydropterin synthase/dimerization cofactor of hepatocyte nuclear factor 1 alpha (TCF1) 2	0.179603	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0321 51	DCOHM	6-pyruvoyl-tetrahydropterin synthase/dimerization cofactor of hepatocyte nuclear factor 1 alpha (TCF1) 2	0.501299	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0321 51	DCOHM	6-pyruvoyl-tetrahydropterin synthase/dimerization cofactor of hepatocyte nuclear factor 1 alpha (TCF1) 2	1.635624	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0321 51	DCOHM	6-pyruvoyl- tetrahydro pterin synthase/d imerization cofactor of hepatocyte nuclear factor 1 alpha (TCF1) 2	1.777668	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0019 22	DCT	dopachro me tautomera se (dopachro me delta- isomerase , tyrosine- related protein 2)	-1.024992	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0019 22	DCT	dopachro me tautomera se (dopachro me delta- isomerase , tyrosine- related protein 2)	-0.578694	Inlier
siRNA Disorazole DMSO Run3	NM_0019 22	DCT	dopachro me tautomera se (dopachro me delta- isomerase , tyrosine- related protein 2)	-0.175324	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0019 22	DCT	dopachrome tautomerase (dopachrome delta-isomerase, tyrosine-related protein 2)	-0.071866	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0019 22	DCT	dopachrome tautomerase (dopachrome delta-isomerase, tyrosine-related protein 2)	0.071866	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0019 22	DCT	dopachrome tautomerase (dopachrome delta-isomerase, tyrosine-related protein 2)	0.770306	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0019 22	DCT	dopachrome tautomerase (dopachrome delta-isomerase, tyrosine-related protein 2)	5.058569	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

			dopachrome tautomerase (dopachrome delta-isomerase, tyrosine-related protein 2)	
siRNA Disorazole DMSO Run2	NM_0019 22	DCT	dCMP deaminase	6.381104 Outlier
siRNA-Temozolomide Run3-DMSO	NM_0010 12732	DCTD	dCMP deaminase	-0.816341 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 12732	DCTD	dCMP deaminase	-0.796931 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 12732	DCTD	dCMP deaminase	-0.533919 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 12732	DCTD	dCMP deaminase	-0.140446 Inlier
siRNA Disorazole DMSO Run3	NM_0010 12732	DCTD	dCMP deaminase	0.140445 Inlier
siRNA Disorazole DMSO Run1	NM_0010 12732	DCTD	dCMP deaminase	0.552069 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 12732	DCTD	dCMP deaminase	1.4946 Inlier
siRNA Disorazole DMSO Run2	NM_0010 12732	DCTD	dCMP deaminase	1.651625 Inlier
siRNA Disorazole DMSO Run1	NM_0162 86	DCXR	dicarbonyl/L-xylulose reductase	-0.761853 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0162 86	DCXR	dicarbonyl/L-xylulose reductase	-0.701022 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0162 86	DCXR	dicarbonyl/L-xylulose reductase	-0.407624 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0162 86	DCXR	dicarbonyl/L-xylulose reductase	-0.178529 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0162 86	DCXR	dicarbonyl/ L-xylulose reductase	0.178529	Inlier
siRNA Disorazole DMSO Run2	NM_0162 86	DCXR	dicarbonyl/ L-xylulose reductase	0.647978	Inlier
siRNA Disorazole DMSO Run3	NM_0162 86	DCXR	dicarbonyl/ L-xylulose reductase	1.258117	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0162 86	DCXR	dicarbonyl/ L-xylulose reductase	1.376171	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0121 37	DDAH1	dicarbonyl/ L-xylulose reductase dimethylar ginine dimethyla minohydrol ase 1	-1.053594	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0121 37	DDAH1	dicarbonyl/ L-xylulose reductase dimethylar ginine dimethyla minohydrol ase 1	-0.980446	Inlier
siRNA Disorazole DMSO Run3	NM_0121 37	DDAH1	dicarbonyl/ L-xylulose reductase dimethylar ginine dimethyla minohydrol ase 1	-0.390678	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0121 37	DDAH1	dicarbonyl/ L-xylulose reductase dimethylar ginine dimethyla minohydrol ase 1	-0.198449	Inlier
siRNA Disorazole DMSO Run1	NM_0121 37	DDAH1	dicarbonyl/ L-xylulose reductase dimethylar ginine dimethyla minohydrol ase 1	0.198449	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0121 37	DDAH1	dicarbonyl/ L-xylulose reductase dimethylar ginine dimethyla minohydrol ase 1	0.304651	Inlier
siRNA Disorazole DMSO Run2	NM_0121 37	DDAH1	dicarbonyl/ L-xylulose reductase dimethylar ginine dimethyla minohydrol ase 1	0.958322	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_012137	DDAH1	dimethylarginine dimethylaminohydrolase 1	1.656224	Inlier
siRNA-Temozolomide Run3-DMSO	NM_013974	DDAH2	dimethylarginine dimethylaminohydrolase 2	-1.651571	Inlier
siRNA-Temozolomide Run2-DMSO	NM_013974	DDAH2	dimethylarginine dimethylaminohydrolase 2	-0.828184	Inlier
siRNA-Temozolomide Run1-DMSO	NM_013974	DDAH2	dimethylarginine dimethylaminohydrolase 2	-0.536837	Inlier
siRNA-Vinblastine Run2-DMSO	NM_013974	DDAH2	dimethylarginine dimethylaminohydrolase 2	-0.007337	Inlier
siRNA Disorazole DMSO Run1	NM_013974	DDAH2	dimethylarginine dimethylaminohydrolase 2	0.007337	Inlier
siRNA Disorazole DMSO Run3	NM_013974	DDAH2	dimethylarginine dimethylaminohydrolase 2	0.404857	Inlier
siRNA-Vinblastine Run1-DMSO	NM_013974	DDAH2	dimethylarginine dimethylaminohydrolase 2	0.812163	Inlier
siRNA Disorazole DMSO Run2	NM_013974	DDAH2	dimethylarginine dimethylaminohydrolase 2	1.696918	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_000790	DDC	dopa decarboxylase (aromatic L-amino acid decarboxylase)	-1.912378	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000790	DDC	dopa decarboxylase (aromatic L-amino acid decarboxylase)	-0.754431	Inlier
siRNA Disorazole DMSO Run3	NM_000790	DDC	dopa decarboxylase (aromatic L-amino acid decarboxylase)	-0.594569	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000790	DDC	dopa decarboxylase (aromatic L-amino acid decarboxylase)	-0.15086	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000790	DDC	dopa decarboxylase (aromatic L-amino acid decarboxylase)	0.15086	Inlier
siRNA Disorazole DMSO Run1	NM_000790	DDC	dopa decarboxylase)	0.452037	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0007 90	DDC	dopa decarboxyl ase (aromatic L-amino acid decarboxyl ase)	3.791394	Outlier
siRNA-Vinblastine Run1- DMSO	NM_0007 90	DDC	dopa decarboxyl ase (aromatic L-amino acid decarboxyl ase)	4.659474	Outlier
siRNA Disorazole DMSO Run1	NM_0040 32	DDO	D- aspartate oxidase	-0.905979	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0040 32	DDO	D- aspartate oxidase	-0.443021	Inlier
siRNA Disorazole DMSO Run3	NM_0040 32	DDO	D- aspartate oxidase	-0.369228	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0040 32	DDO	D- aspartate oxidase	-0.19579	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0040 32	DDO	D- aspartate oxidase	0.19579	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0040 32	DDO	D- aspartate oxidase	1.18074	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0040 32	DDO	D- aspartate oxidase	2.341764	Inlier
siRNA Disorazole DMSO Run2	NM_0040 32	DDO	D- aspartate oxidase	4.244531	Outlier
siRNA-Temozolomide Run3- DMSO	NM_0052 16	DDOST	dolichyl- diphospho oligosacch aride- protein glycosyltra nsferase	-1.370219	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0052 16	DDOST	dolichyl- diphospho oligosacch aride- protein glycosyltra nsferase	-0.797435	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0052 16	DDOST	dolichyl- diphospho oligosacch aride- protein glycosyltra nsferase	-0.551565	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0052 16	DDOST	dolichyl- diphospho oligosacch aride- protein glycosyltra nsferase	-0.103058	Inlier
siRNA Disorazole DMSO Run3	NM_0052 16	DDOST	dolichyl- diphospho oligosacch aride- protein glycosyltra nsferase	0.103059	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0052 16	DDOST	dolichyl- diphospho oligosacch aride- protein glycosyltra nsferase	0.503144	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0052 16	DDOST	dolichyl- diphospho oligosacch aride- protein glycosyltra nsferase	0.922897	Inlier
siRNA Disorazole DMSO Run2	NM_0052 16	DDOST	glycosyltra nsferase	1.071195	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0139 94	DDR1	discoidin domain receptor family, member 1	-1.419134	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0139 94	DDR1	discoidin domain receptor family, member 1	-1.197334	Inlier
siRNA Disorazole DMSO Run2	NM_0139 94	DDR1	discoidin domain receptor family, member 1	-0.752754	Inlier
siRNA Disorazole DMSO Run1	NM_0139 94	DDR1	discoidin domain receptor family, member 1	-0.282412	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0139 94	DDR1	discoidin domain receptor family, member 1	0.282413	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0139 94	DDR1	discoidin domain receptor family, member 1	0.556932	Inlier
siRNA Disorazole DMSO Run3	NM_0139 94	DDR1	discoidin domain receptor family, member 1	0.596246	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0139 94	DDR1	discoidin domain receptor family, member 1	1.778198	Inlier
siRNA Disorazole DMSO Run2	NM_0061 82	DDR2	discoidin domain receptor family, member 2	-2.025526	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0061 82	DDR2	discoidin domain receptor family, member 2	-1.084795	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0061 82	DDR2	discoidin domain receptor family, member 2	-0.640767	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0061 82	DDR2	discoidin domain receptor family, member 2	-0.002771	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0061 82	DDR2	discoidin domain receptor family, member 2	0.002772	Inlier
siRNA Disorazole DMSO Run1	NM_0061 82	DDR2	discoidin domain receptor family, member 2	0.271366	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0061 82	DDR2	discoidin domain receptor family, member 2	0.708233	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0061 82	DDR2	discoidin domain receptor family, member 2	0.888417	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0013 55	DDT	D- dopachro me tautomer ase	-2.383022	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0013 55	DDT	D- dopachro me tautomer ase	-0.856437	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0013 55	DDT	D- dopachro me tautomer ase	-0.492563	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0013 55	DDT	D- dopachro me tautomer ase	-0.263714	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0013 55	DDT	D- dopachro me tautomer se	0.263713	Inlier
siRNA Disorazole DMSO Run3	NM_0013 55	DDT	D- dopachro me tautomer se	0.330122	Inlier
siRNA Disorazole DMSO Run2	NM_0013 55	DDT	D- dopachro me tautomer se	2.488071	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0013 55	DDT	D- dopachro me tautomer se DEAD (Asp-Glu- Ala-Asp) box	3.060911	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0049 39	DDX1	polypeptid e 1 DEAD (Asp-Glu- Ala-Asp) box	-0.830329	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0049 39	DDX1	polypeptid e 1 DEAD (Asp-Glu- Ala-Asp) box	-0.758207	Inlier
siRNA Disorazole DMSO Run3	NM_0049 39	DDX1	polypeptid e 1 DEAD (Asp-Glu- Ala-Asp) box	-0.244085	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0049 39	DDX1	polypeptid e 1 DEAD (Asp-Glu- Ala-Asp) box	-0.099187	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0049 39	DDX1	polypeptid e 1	0.099187	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0049 39	DDX1	DEAD (Asp-Glu-Ala-Asp) box polypeptide 1	0.590793	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0049 39	DDX1	DEAD (Asp-Glu-Ala-Asp) box polypeptide 1	3.625668	Outlier
siRNA Disorazole DMSO Run2	NM_0049 39	DDX1	DEAD (Asp-Glu-Ala-Asp) box polypeptide 1	4.091752	Outlier
siRNA-Temozolomide Run1-DMSO	NM_0308 81	DDX17	DEAD (Asp-Glu-Ala-Asp) box polypeptide 17	-1.18446	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0308 81	DDX17	DEAD (Asp-Glu-Ala-Asp) box polypeptide 17	-0.930242	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0308 81	DDX17	DEAD (Asp-Glu-Ala-Asp) box polypeptide 17	-0.142521	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0308 81	DDX17	DEAD (Asp-Glu-Ala-Asp) box polypeptide 17	-0.05594	Inlier
siRNA Disorazole DMSO Run3	NM_0308 81	DDX17	DEAD (Asp-Glu-Ala-Asp) box polypeptide 17	0.05594	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0308 81	DDX17	DEAD (Asp-Glu- Ala-Asp) box polypeptid e 17	0.565404	Inlier
siRNA Disorazole DMSO Run1	NM_0308 81	DDX17	DEAD (Asp-Glu- Ala-Asp) box polypeptid e 17	0.783596	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0308 81	DDX17	DEAD (Asp-Glu- Ala-As) box polypeptid e 17	1.180589	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0072 42	DDX19	DEAD (Asp-Glu- Ala-As) box polypeptid e 19	-0.954733	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0072 42	DDX19	DEAD (Asp-Glu- Ala-As) box polypeptid e 19	-0.590464	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0072 42	DDX19	DEAD (Asp-Glu- Ala-As) box polypeptid e 19	-0.573767	Inlier
siRNA Disorazole DMSO Run3	NM_0072 42	DDX19	DEAD (Asp-Glu- Ala-As) box polypeptid e 19	-0.466812	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0072 42	DDX19	DEAD (Asp-Glu- Ala-As) box polypeptid e 19	0.466812	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0072 42	DDX19	DEAD (Asp-Glu-Ala-As) box polypeptide 19	0.758536	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0072 42	DDX19	DEAD (Asp-Glu-Ala-As) box polypeptide 19	3.071033	Inlier
siRNA Disorazole DMSO Run2	NM_0072 42	DDX19	DEAD (Asp-Glu-Ala-Asp) box polypeptide 19	3.569876	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0204 14	DDX24	DEAD (Asp-Glu-Ala-Asp) box polypeptide 24	-0.864727	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0204 14	DDX24	DEAD (Asp-Glu-Ala-Asp) box polypeptide 24	-0.847381	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0204 14	DDX24	DEAD (Asp-Glu-Ala-Asp) box polypeptide 24	-0.501619	Inlier
siRNA Disorazole DMSO Run3	NM_0204 14	DDX24	DEAD (Asp-Glu-Ala-Asp) box polypeptide 24	-0.180624	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0204 14	DDX24	DEAD (Asp-Glu-Ala-Asp) box polypeptide 24	0.180624	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0204 14	DDX24	DEAD (Asp-Glu- Ala-Asp) box polypeptid e 24	0.235283	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0204 14	DDX24	DEAD (Asp-Glu- Ala-Asp) box polypeptid e 24	1.365986	Inlier
siRNA Disorazole DMSO Run2	NM_0204 14	DDX24	DEAD (Asp-Glu- Ala-Asp) box polypeptid e 24	2.400652	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1386 20	DDX31	DEAD (Asp-Glu- Ala-Asp) box polypeptid e 31	-1.16002	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1386 20	DDX31	DEAD (Asp-Glu- Ala-Asp) box polypeptid e 31	-0.888552	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1386 20	DDX31	DEAD (Asp-Glu- Ala-Asp) box polypeptid e 31	-0.460448	Inlier
siRNA Disorazole DMSO Run3	NM_1386 20	DDX31	DEAD (Asp-Glu- Ala-Asp) box polypeptid e 31	-0.077317	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1386 20	DDX31	DEAD (Asp-Glu- Ala-Asp) box polypeptid e 31	0.077317	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1386 20	DDX31	DEAD (Asp-Glu-Ala-Asp) box polypeptide 31	0.316494	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1386 20	DDX31	DEAD (Asp-Glu-Ala-Asp) box polypeptide 31	1.89336	Inlier
siRNA Disorazole DMSO Run2	NM_1386 20	DDX31	DEAD (Asp-Glu-Ala-Asp) box polypeptide 31	2.176314	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1389 98	DDX39	DEAD (Asp-Glu-Ala-Asp) box polypeptide 39	-0.895235	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1389 98	DDX39	DEAD (Asp-Glu-Ala-Asp) box polypeptide 39	-0.453765	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1389 98	DDX39	DEAD (Asp-Glu-Ala-Asp) box polypeptide 39	-0.309296	Inlier
siRNA Disorazole DMSO Run3	NM_1389 98	DDX39	DEAD (Asp-Glu-Ala-Asp) box polypeptide 39	-0.136514	Inlier
siRNA Disorazole DMSO Run1	NM_1389 98	DDX39	DEAD (Asp-Glu-Ala-Asp) box polypeptide 39	0.136514	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_1389 98	DDX39	DEAD (Asp-Glu-Ala-Asp) box polypeptide 39	1.372832	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1389 98	DDX39	DEAD (Asp-Glu-Ala-Asp) box polypeptide 39	10.34509	Outlier
siRNA Disorazole DMSO Run2	NM_1389 98	DDX39	DEAD (Asp-Glu-Ala-Asp) box polypeptide 39	36.73523	Outlier
siRNA-Vinblastine Run2-DMSO	NM_0244 15	DDX4	DEAD (Asp-Glu-Ala-Asp) box polypeptide 4	-1.051266	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0244 15	DDX4	DEAD (Asp-Glu-Ala-Asp) box polypeptide 4	-0.763179	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0244 15	DDX4	DEAD (Asp-Glu-Ala-Asp) box polypeptide 4	-0.520946	Inlier
siRNA Disorazole DMSO Run3	NM_0244 15	DDX4	DEAD (Asp-Glu-Ala-Asp) box polypeptide 4	-0.460748	Inlier
siRNA Disorazole DMSO Run1	NM_0244 15	DDX4	DEAD (Asp-Glu-Ala-Asp) box polypeptide 4	0.460748	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0244 15	DDX4	DEAD (Asp-Glu-Ala-Asp) box polypeptide 4	0.585821	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0244 15	DDX4	DEAD (Asp-Glu-Ala-Asp) box polypeptide 4	3.201988	Inlier
siRNA Disorazole DMSO Run2	NM_0244 15	DDX4	DEAD (Asp-Glu-Ala-Asp) box polypeptide 4	4.032224	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0190 70	DDX49	DEAD (Asp-Glu-Ala-Asp) box polypeptide 49	-2.255076	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0190 70	DDX49	DEAD (Asp-Glu-Ala-Asp) box polypeptide 49	-0.813819	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0190 70	DDX49	DEAD (Asp-Glu-Ala-Asp) box polypeptide 49	-0.264176	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0190 70	DDX49	DEAD (Asp-Glu-Ala-Asp) box polypeptide 49	-0.077085	Inlier
siRNA Disorazole DMSO Run1	NM_0190 70	DDX49	DEAD (Asp-Glu-Ala-Asp) box polypeptide 49	0.077084	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0190 70	DDX49	DEAD (Asp-Glu-Ala-Asp) box polypeptide 49	0.535181	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0190 70	DDX49	DEAD (Asp-Glu-Ala-Asp) box polypeptide 49	1.854934	Inlier
siRNA Disorazole DMSO Run2	NM_0190 70	DDX49	DEAD (Asp-Glu-Ala-Asp) box polypeptide 49	2.32071	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0240 72	DDX54	DEAD (Asp-Glu-Ala-Asp) box polypeptide 54	-1.801456	Inlier
siRNA Disorazole DMSO Run1	NM_0240 72	DDX54	DEAD (Asp-Glu-Ala-Asp) box polypeptide 54	-0.890881	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0240 72	DDX54	DEAD (Asp-Glu-Ala-Asp) box polypeptide 54	-0.775917	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0240 72	DDX54	DEAD (Asp-Glu-Ala-Asp) box polypeptide 54	-0.373308	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0240 72	DDX54	DEAD (Asp-Glu-Ala-Asp) box polypeptide 54	0.373308	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0240 72	DDX54	DEAD (Asp-Glu-Ala-Asp) box polypeptide 54	0.389662	Inlier
siRNA Disorazole DMSO Run2	NM_0240 72	DDX54	DEAD (Asp-Glu-Ala-Asp) box polypeptide 54	0.597228	Inlier
siRNA Disorazole DMSO Run3	NM_0240 72	DDX54	DEAD (Asp-Glu-Ala-Asp) box polypeptide 54	0.751772	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0013 59	DECR1	2,4-dienoyl CoA reductase 1, mitochondrial	-1.477938	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0013 59	DECR1	2,4-dienoyl CoA reductase 1, mitochondrial	-0.680909	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0013 59	DECR1	2,4-dienoyl CoA reductase 1, mitochondrial	-0.668091	Inlier
siRNA Disorazole DMSO Run1	NM_0013 59	DECR1	2,4-dienoyl CoA reductase 1, mitochondrial	-0.209367	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0013 59	DECR1	2,4-dienoyl CoA reductase 1, mitochond rial	0.209366	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0013 59	DECR1	2,4-dienoyl CoA reductase 1, mitochond rial	0.641084	Inlier
siRNA Disorazole DMSO Run2	NM_0013 59	DECR1	2,4-dienoyl CoA reductase 1, mitochond rial	0.748273	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0013 59	DECR1	2,4-dienoyl CoA reductase 1, mitochond rial	0.926442	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0206 64	DECR2	2,4-dienoyl CoA reductase 2, peroxisom al	-1.418337	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0206 64	DECR2	2,4-dienoyl CoA reductase 2, peroxisom al	-0.944108	Inlier
siRNA Disorazole DMSO Run1	NM_0206 64	DECR2	2,4-dienoyl CoA reductase 2, peroxisom al	-0.404892	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_020664	DECR2	2,4-dienoyl CoA reductase 2, peroxisomal	-0.10913	Inlier
siRNA Disorazole DMSO Run3	NM_020664	DECR2	2,4-dienoyl CoA reductase 2, peroxisomal	0.10913	Inlier
siRNA-Vinblastine Run2-DMSO	NM_020664	DECR2	2,4-dienoyl CoA reductase 2, peroxisomal	0.28075	Inlier
siRNA Disorazole DMSO Run2	NM_020664	DECR2	2,4-dienoyl CoA reductase 2, peroxisomal	3.04937	Inlier
siRNA-Vinblastine Run1-DMSO	NM_020664	DECR2	2,4-dienoyl CoA reductase 2, peroxisomal	4.020334	Outlier
siRNA-Temozolomide Run2-DMSO	NM_144780	DEGS	degenerative spermatocyte homolog 1, lipid desaturase (Drosophila)	-1.003416	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Condition	Run	Gene ID	DEGS	Gene Name	Value	Inlier	
siRNA Disorazole	DMSO	Run1	NM_1447	80	DEGS	degenerati ve spermatoc yte homolog 1, lipid desaturas e (Drosophil a)	-0.758635	Inlier
siRNA-Temozolomide	Run3- DMSO		NM_1447	80	DEGS	degenerati ve spermatoc yte homolog 1, lipid desaturas e (Drosophil a)	-0.590365	Inlier
siRNA-Temozolomide	Run1- DMSO		NM_1447	80	DEGS	degenerati ve spermatoc yte homolog 1, lipid desaturas e (Drosophil a)	-0.39252	Inlier
siRNA Disorazole	DMSO	Run3	NM_1447	80	DEGS	degenerati ve spermatoc yte homolog 1, lipid desaturas e (Drosophil a)	0.39252	Inlier
siRNA-Vinblastine	Run2- DMSO		NM_1447	80	DEGS	degenerati ve spermatoc yte homolog 1, lipid desaturas e (Drosophil a)	0.506587	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_1447 80	DEGS	degenerative spermatocyte homolog 1, lipid desaturase (Drosophila)	1.067116	Inlier
siRNA Disorazole DMSO Run2	NM_1447 80	DEGS	degenerative spermatocyte homolog 1, lipid desaturase (Drosophila)	2.163895	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0140 58	DESC1	transmembrane protease, serine 11E	-0.878628	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0140 58	DESC1	transmembrane protease, serine 11E	-0.71636	Inlier
siRNA Disorazole DMSO Run2	NM_0140 58	DESC1	transmembrane protease, serine 11E	-0.63264	Inlier
siRNA Disorazole DMSO Run1	NM_0140 58	DESC1	transmembrane protease, serine 11E	-0.078529	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0140 58	DESC1	transmembrane protease, serine 11E	0.078529	Inlier
siRNA Disorazole DMSO Run3	NM_0140 58	DESC1	transmembrane protease, serine 11E	0.515701	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_014058	DESC1	transmembrane protease, serine 11E	1.251395	Inlier
siRNA-Vinblastine Run1-DMSO	NM_014058	DESC1	transmembrane protease, serine 11E	1.380878	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001928	DF	D component of complement (adipsin)	-1.370015	Inlier
siRNA Disorazole DMSO Run3	NM_001928	DF	D component of complement (adipsin)	-0.815433	Inlier
siRNA Disorazole DMSO Run1	NM_001928	DF	D component of complement (adipsin)	-0.25657	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001928	DF	D component of complement (adipsin)	-0.116334	Inlier
siRNA Disorazole DMSO Run2	NM_001928	DF	D component of complement (adipsin)	0.116334	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001928	DF	D component of complement (adipsin)	0.533567	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001928	DF	D component of complement (adipsin)	1.654876	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Method	Component of Complement (adipsin)	Value	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001928	DF	DNA component of complement (adipsin)	1.704506	Inlier
siRNA-Temozolomide Run3-DMSO	NM_213566	DFFA	DNA fragmentation factor, 45kDa, alpha polypeptide	-0.765161	Inlier
siRNA-Temozolomide Run1-DMSO	NM_213566	DFFA	DNA fragmentation factor, 45kDa, alpha polypeptide	-0.618157	Inlier
siRNA Disorazole DMSO Run1	NM_213566	DFFA	DNA fragmentation factor, 45kDa, alpha polypeptide	-0.543899	Inlier
siRNA-Temozolomide Run2-DMSO	NM_213566	DFFA	DNA fragmentation factor, 45kDa, alpha polypeptide	-0.396339	Inlier
siRNA-Vinblastine Run1-DMSO	NM_213566	DFFA	DNA fragmentation factor, 45kDa, alpha polypeptide	0.396339	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_2135 66	DFFA	DNA fragmentat ion factor, 45kDa, alpha polypeptid e	0.730843	Inlier
siRNA Disorazole DMSO Run2	NM_2135 66	DFFA	DNA fragmentat ion factor, 45kDa, alpha polypeptid e	1.261425	Inlier
siRNA Disorazole DMSO Run3	NM_2135 66	DFFA	DNA fragmentat ion factor, 45kDa, alpha polypeptid e	5.727172	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0010 04286	DFFB	DNA fragmentat ion factor, 40kDa, beta polypeptid e (caspase- activated DNase)	-1.946717	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 04286	DFFB	DNA fragmentat ion factor, 40kDa, beta polypeptid e (caspase- activated DNase)	-0.90663	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0010 04286	DFFB	DNA fragmentat ion factor, 40kDa, beta polypeptid e (caspase- activated DNase)	-0.58014	Inlier
siRNA Disorazole DMSO Run3	NM_0010 04286	DFFB	DNA fragmentat ion factor, 40kDa, beta polypeptid e (caspase- activated DNase)	-0.021154	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0010 04286	DFFB	DNA fragmentat ion factor, 40kDa, beta polypeptid e (caspase- activated DNase)	0.021154	Inlier
siRNA Disorazole DMSO Run1	NM_0010 04286	DFFB	DNA fragmentat ion factor, 40kDa, beta polypeptid e (caspase- activated DNase)	0.240825	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_001004286	DFFB	DNA fragmentation factor, 40kDa, beta polypeptide (caspase-activated DNase)	0.76886	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001004286	DFFB	DNA fragmentation factor, 40kDa, beta polypeptide (caspase-activated DNase)	1.94742	Inlier
siRNA-Temozolomide Run3-DMSO	NM_012079	DGAT1	diacylglycerol O-acyltransferase homolog 1 (mouse)	-1.171324	Inlier
siRNA-Temozolomide Run1-DMSO	NM_012079	DGAT1	diacylglycerol O-acyltransferase homolog 1 (mouse)	-0.374398	Inlier
siRNA-Temozolomide Run2-DMSO	NM_012079	DGAT1	diacylglycerol O-acyltransferase homolog 1 (mouse)	-0.267365	Inlier
siRNA Disorazole DMSO Run1	NM_012079	DGAT1	diacylglycerol O-acyltransferase homolog 1 (mouse)	-0.029105	Inlier
siRNA Disorazole DMSO Run3	NM_012079	DGAT1	diacylglycerol O-acyltransferase homolog 1 (mouse)	0.029105	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Value	Outlier Status
siRNA-Vinblastine Run2-DMSO	NM_012079	DGAT1	diacylglycerol O-acyltransferase homolog 1 (mouse)	0.974602	Inlier
siRNA Disorazole DMSO Run2	NM_012079	DGAT1	diacylglycerol O-acyltransferase homolog 1 (mouse)	1.961968	Inlier
siRNA-Vinblastine Run1-DMSO	NM_012079	DGAT1	diacylglycerol O-acyltransferase homolog 1 (mouse)	2.83009	Inlier
siRNA-Temozolomide Run1-DMSO	NM_032564	DGAT2	diacylglycerol O-acyltransferase homolog 2 (mouse)	-0.888312	Inlier
siRNA Disorazole DMSO Run1	NM_032564	DGAT2	diacylglycerol O-acyltransferase homolog 2 (mouse)	-0.644794	Inlier
siRNA-Vinblastine Run2-DMSO	NM_032564	DGAT2	diacylglycerol O-acyltransferase homolog 2 (mouse)	-0.077286	Inlier
siRNA-Temozolomide Run3-DMSO	NM_032564	DGAT2	diacylglycerol O-acyltransferase homolog 2 (mouse)	-0.032415	Inlier
siRNA-Temozolomide Run2-DMSO	NM_032564	DGAT2	diacylglycerol O-acyltransferase homolog 2 (mouse)	0.032415	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0325 64	DGAT2	diacylglycerol O-acyltransferase homolog 2 (mouse)	0.704206	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0325 64	DGAT2	diacylglycerol O-acyltransferase homolog 2 (mouse)	1.611585	Inlier
siRNA Disorazole DMSO Run2	NM_0325 64	DGAT2	diacylglycerol O-acyltransferase homolog 2 (mouse)	2.104353	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0013 45	DGKA	diacylglycerol kinase, alpha 80kDa	-0.848632	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0013 45	DGKA	diacylglycerol kinase, alpha 80kDa	-0.73266	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0013 45	DGKA	diacylglycerol kinase, alpha 80kDa	-0.692547	Inlier
siRNA Disorazole DMSO Run2	NM_0013 45	DGKA	diacylglycerol kinase, alpha 80kDa	-0.369295	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0013 45	DGKA	diacylglycerol kinase, alpha 80kDa	0.369296	Inlier
siRNA Disorazole DMSO Run1	NM_0013 45	DGKA	diacylglycerol kinase, alpha 80kDa	0.475731	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0013 45	DGKA	diacylglycerol kinase, alpha 80kDa	0.656453	Inlier
siRNA Disorazole DMSO Run3	NM_0013 45	DGKA	diacylglycerol kinase, alpha 80kDa	1.707444	Inlier
siRNA Disorazole DMSO Run1	NM_1456 95	DGKB	diacylglycerol kinase, beta 90kDa	-0.888164	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1456 95	DGKB	diacylglycerol kinase, beta 90kDa	-0.460836	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1456 95	DGKB	diacylglycerol kinase, beta 90kDa	-0.209606	Inlier
siRNA Disorazole DMSO Run2	NM_1456 95	DGKB	diacylglycerol kinase, beta 90kDa	-0.209121	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1456 95	DGKB	diacylglycerol kinase, beta 90kDa	0.209123	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1456 95	DGKB	diacylglycerol kinase, beta 90kDa	1.804653	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1456 95	DGKB	diacylglycerol kinase, beta 90kDa	3.048651	Inlier
siRNA Disorazole DMSO Run3	NM_1456 95	DGKB	diacylglycerol kinase, beta 90kDa	7.581887	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_1528 79	DGKD	diacylglycerol kinase, delta 130kDa	-2.095618	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1528 79	DGKD	diacylglycerol kinase, delta 130kDa	-1.54126	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1528 79	DGKD	diacylglycerol kinase, delta 130kDa	-0.707784	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1528 79	DGKD	diacylglycerol kinase, delta 130kDa	-0.049002	Inlier
siRNA Disorazole DMSO Run2	NM_1528 79	DGKD	diacylglycerol kinase, delta 130kDa	0.049002	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1528 79	DGKD	diacylglycerol kinase, delta 130kDa	0.545996	Inlier
siRNA Disorazole DMSO Run1	NM_1528 79	DGKD	diacylglycerol kinase, delta 130kDa	0.641216	Inlier
siRNA Disorazole DMSO Run3	NM_1528 79	DGKD	diacylglycerol kinase, delta 130kDa	1.432162	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0036 47	DGKE	diacylglycerol kinase, epsilon 64kDa	-0.836372	Inlier
siRNA Disorazole DMSO Run2	NM_0036 47	DGKE	diacylglycerol kinase, epsilon 64kDa	-0.714283	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0036 47	DGKE	diacylglycerol kinase, epsilon 64kDa	-0.373253	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0036 47	DGKE	diacylglycerol kinase, epsilon 64kDa	-0.318497	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0036 47	DGKE	diacylglycerol kinase, epsilon 64kDa	0.318496	Inlier
siRNA Disorazole DMSO Run1	NM_0036 47	DGKE	diacylglycerol kinase, epsilon 64kDa	0.634717	Inlier
siRNA Disorazole DMSO Run3	NM_0036 47	DGKE	diacylglycerol kinase, epsilon 64kDa	1.532663	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0036 47	DGKE	diacylglycerol kinase, epsilon 64kDa	1.68043	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0013 46	DGKG	diacylglycerol kinase, gamma 90kDa	-2.021485	Inlier
siRNA Disorazole DMSO Run2	NM_0013 46	DGKG	diacylglycerol kinase, gamma 90kDa	-1.792454	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0013 46	DGKG	diacylglycerol kinase, gamma 90kDa	-1.396811	Inlier
siRNA Disorazole DMSO Run1	NM_0013 46	DGKG	diacylglycerol kinase, gamma 90kDa	-0.007366	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_001346	DGKG	diacylglycerol kinase, gamma 90kDa	0.007367	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001346	DGKG	diacylglycerol kinase, gamma 90kDa	0.363024	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001346	DGKG	diacylglycerol kinase, gamma 90kDa	0.497283	Inlier
siRNA Disorazole DMSO Run3	NM_001346	DGKG	diacylglycerol kinase, gamma 90kDa	0.851718	Inlier
siRNA Disorazole DMSO Run2	NM_152910	DGKH	diacylglycerol kinase, eta	-1.158498	Inlier
siRNA-Temozolomide Run3-DMSO	NM_152910	DGKH	diacylglycerol kinase, eta	-0.819792	Inlier
siRNA-Temozolomide Run1-DMSO	NM_152910	DGKH	diacylglycerol kinase, eta	-0.364956	Inlier
siRNA-Temozolomide Run2-DMSO	NM_152910	DGKH	diacylglycerol kinase, eta	-0.21541	Inlier
siRNA Disorazole DMSO Run1	NM_152910	DGKH	diacylglycerol kinase, eta	0.21541	Inlier
siRNA Disorazole DMSO Run3	NM_152910	DGKH	diacylglycerol kinase, eta	0.529208	Inlier
siRNA-Vinblastine Run2-DMSO	NM_152910	DGKH	diacylglycerol kinase, eta	1.531819	Inlier
siRNA-Vinblastine Run1-DMSO	NM_152910	DGKH	diacylglycerol kinase, eta	1.532899	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0047 17	DGKI	diacylglycerol kinase, iota	-0.796991	Inlier
siRNA Disorazole DMSO Run1	NM_0047 17	DGKI	diacylglycerol kinase, iota	-0.552009	Inlier
siRNA Disorazole DMSO Run2	NM_0047 17	DGKI	diacylglycerol kinase, iota	-0.241896	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0047 17	DGKI	diacylglycerol kinase, iota	-0.21958	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0047 17	DGKI	diacylglycerol kinase, iota	0.219579	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0047 17	DGKI	diacylglycerol kinase, iota	1.304056	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0047 17	DGKI	diacylglycerol kinase, iota	2.444338	Inlier
siRNA Disorazole DMSO Run3	NM_0047 17	DGKI	diacylglycerol kinase, iota	3.978828	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0013 47	DGKQ	diacylglycerol kinase, theta 110kDa	-1.319436	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0013 47	DGKQ	diacylglycerol kinase, theta 110kDa	-0.869819	Inlier
siRNA Disorazole DMSO Run2	NM_0013 47	DGKQ	diacylglycerol kinase, theta 110kDa	-0.479181	Inlier
siRNA Disorazole DMSO Run1	NM_0013 47	DGKQ	diacylglycerol kinase, theta 110kDa	-0.18533	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0013 47	DGKQ	diacylglycerol kinase, theta 110kDa	0.18533	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0013 47	DGKQ	diacylglycerol kinase, theta 110kDa	0.350497	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0013 47	DGKQ	diacylglycerol kinase, theta 110kDa	1.109301	Inlier
siRNA Disorazole DMSO Run3	NM_0013 47	DGKQ	diacylglycerol kinase, theta 110kDa	1.534623	Inlier
siRNA Disorazole DMSO Run2	NM_0036 46	DGKZ	diacylglycerol kinase, zeta 104kDa	-2.24719	Inlier
siRNA Disorazole DMSO Run3	NM_0036 46	DGKZ	diacylglycerol kinase, zeta 104kDa	-1.782624	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0036 46	DGKZ	diacylglycerol kinase, zeta 104kDa	-1.542889	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0036 46	DGKZ	diacylglycerol kinase, zeta 104kDa	-0.234866	Inlier
siRNA Disorazole DMSO Run1	NM_0036 46	DGKZ	diacylglycerol kinase, zeta 104kDa	0.234866	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0036 46	DGKZ	diacylglycerol kinase, zeta 104kDa	0.297093	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0036 46	DGKZ	diacylglycerol kinase, zeta 104kDa	0.549525	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0036 46	DGKZ	diacylglycerol kinase, zeta 104kDa	0.799475	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1524 30	D-GPCR	olfactory receptor, family 51, subfamily E, member 1	-0.93745	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1524 30	D-GPCR	olfactory receptor, family 51, subfamily E, member 1	-0.466447	Inlier
siRNA Disorazole DMSO Run1	NM_1524 30	D-GPCR	olfactory receptor, family 51, subfamily E, member 1	-0.112198	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1524 30	D-GPCR	olfactory receptor, family 51, subfamily E, member 1	-0.074863	Inlier
siRNA Disorazole DMSO Run2	NM_1524 30	D-GPCR	olfactory receptor, family 51, subfamily E, member 1	0.074863	Inlier
siRNA Disorazole DMSO Run3	NM_1524 30	D-GPCR	olfactory receptor, family 51, subfamily E, member 1	0.882553	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1524 30	D-GPCR	olfactory receptor, family 51, subfamily E, member 1	1.812608	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_1524 30	D-GPCR	olfactory receptor, family 51, subfamily E, member 1	1.874939	Inlier
siRNA Disorazole DMSO Run2	NM_0809 18	DGUOK	deoxyguanosine kinase	-0.773608	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0809 18	DGUOK	deoxyguanosine kinase	-0.724312	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0809 18	DGUOK	deoxyguanosine kinase	-0.117362	Inlier
siRNA Disorazole DMSO Run1	NM_0809 18	DGUOK	deoxyguanosine kinase	-0.098202	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0809 18	DGUOK	deoxyguanosine kinase	0.098202	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0809 18	DGUOK	deoxyguanosine kinase	0.624688	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0809 18	DGUOK	deoxyguanosine kinase	0.989637	Inlier
siRNA Disorazole DMSO Run3	NM_0809 18	DGUOK	deoxyguanosine kinase	1.167114	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0147 62	DHCR24	24-dehydrocholesterol reductase	-0.895768	Inlier
siRNA Disorazole DMSO Run1	NM_0147 62	DHCR24	24-dehydrocholesterol reductase	-0.698406	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0147 62	DHCR24	24-dehydrocholesterol reductase	-0.206003	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0147 62	DHCR24	24-dehydrocholesterol reductase	-0.071364	Inlier
siRNA Disorazole DMSO Run3	NM_0147 62	DHCR24	24-dehydrocholesterol reductase	0.071364	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0147 62	DHCR24	24-dehydrocholesterol reductase	0.665898	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0147 62	DHCR24	24-dehydrocholesterol reductase	0.683102	Inlier
siRNA Disorazole DMSO Run2	NM_0147 62	DHCR24	24-dehydrocholesterol reductase	1.794711	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0013 60	DHCR7	7-dehydrocholesterol reductase	-2.150014	Inlier
siRNA Disorazole DMSO Run1	NM_0013 60	DHCR7	7-dehydrocholesterol reductase	-1.020721	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0013 60	DHCR7	7-dehydrocholesterol reductase	-0.721138	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0013 60	DHCR7	7-dehydrocholesterol reductase	-0.234218	Inlier
siRNA Disorazole DMSO Run3	NM_0013 60	DHCR7	7-dehydrocholesterol reductase	0.234218	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0013 60	DHCR7	7-dehydrocholesterol reductase	0.61348	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0013 60	DHCR7	7-dehydrocholesterol reductase	0.627862	Inlier
siRNA Disorazole DMSO Run2	NM_0013 60	DHCR7	7-dehydrocholesterol reductase	1.647087	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0144 75	DHDH	dihydrodiol dehydrogenase (dimeric)	-0.959719	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0144 75	DHDH	dihydrodiol dehydroge nase (dimeric)	-0.38928	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0144 75	DHDH	dihydrodiol dehydroge nase (dimeric)	-0.191325	Inlier
siRNA Disorazole DMSO Run2	NM_0144 75	DHDH	dihydrodiol dehydroge nase (dimeric)	-0.135996	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0144 75	DHDH	dihydrodiol dehydroge nase (dimeric)	0.135997	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0144 75	DHDH	dihydrodiol dehydroge nase (dimeric)	1.457772	Inlier
siRNA Disorazole DMSO Run3	NM_0144 75	DHDH	dihydrodiol dehydroge nase (dimeric)	1.778444	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0144 75	DHDH	dihydrodiol dehydroge nase (dimeric)	2.438547	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0007 91	DHFR	dihydrofola te reductase	-1.801296	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0007 91	DHFR	dihydrofola te reductase	-0.953476	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0007 91	DHFR	dihydrofola te reductase	-0.174617	Inlier
siRNA Disorazole DMSO Run1	NM_0007 91	DHFR	dihydrofola te reductase	-0.029889	Inlier
siRNA Disorazole DMSO Run3	NM_0007 91	DHFR	dihydrofola te reductase	0.029889	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology					
siRNA-Temozolomide Run1-DMSO	NM_0007 91	DHFR	dihydrofolate reductase	0.395524	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0007 91	DHFR	dihydrofolate reductase	1.30812	Inlier
siRNA Disorazole DMSO Run2	NM_0007 91	DHFR	dihydrofolate reductase	1.615284	Inlier
siRNA Disorazole DMSO Run2	NM_0010 25193	DHODH	dihydroorotate dehydrogenase	-2.306795	Inlier
siRNA Disorazole DMSO Run1	NM_0010 25193	DHODH	dihydroorotate dehydrogenase	-1.789255	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 25193	DHODH	dihydroorotate dehydrogenase	-0.621168	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 25193	DHODH	dihydroorotate dehydrogenase	-0.094319	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 25193	DHODH	dihydroorotate dehydrogenase	0.094319	Inlier
siRNA Disorazole DMSO Run3	NM_0010 25193	DHODH	dihydroorotate dehydrogenase	0.482698	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 25193	DHODH	dihydroorotate dehydrogenase	0.727832	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 25193	DHODH	dihydroorotate dehydrogenase	0.862613	Inlier
siRNA Disorazole DMSO Run1	NM_0134 07	DHPS	deoxyhypusine synthase	-2.196905	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0134 07	DHPS	deoxyhypusine synthase	-1.73075	Inlier
siRNA Disorazole DMSO Run3	NM_0134 07	DHPS	deoxyhypusine synthase	-0.664528	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_013407	DHPS	deoxyhypusine synthase	-0.134304	Inlier
siRNA-Temozolomide Run3-DMSO	NM_013407	DHPS	deoxyhypusine synthase	0.134304	Inlier
siRNA Disorazole DMSO Run2	NM_013407	DHPS	deoxyhypusine synthase	0.192593	Inlier
siRNA-Vinblastine Run2-DMSO	NM_013407	DHPS	deoxyhypusine synthase	0.684471	Inlier
siRNA-Vinblastine Run1-DMSO	NM_013407	DHPS	deoxyhypusine synthase	2.121704	Inlier
siRNA-Temozolomide Run3-DMSO	NM_138452	DHRS1	dehydrogenase/reductase (SDR family) member 1	-3.28435	Inlier
siRNA-Temozolomide Run2-DMSO	NM_138452	DHRS1	dehydrogenase/reductase (SDR family) member 1	-2.277916	Inlier
siRNA-Temozolomide Run1-DMSO	NM_138452	DHRS1	dehydrogenase/reductase (SDR family) member 1	-0.55834	Inlier
siRNA Disorazole DMSO Run2	NM_138452	DHRS1	dehydrogenase/reductase (SDR family) member 1	-0.289078	Inlier
siRNA Disorazole DMSO Run3	NM_138452	DHRS1	dehydrogenase/reductase (SDR family) member 1	0.289078	Inlier
siRNA Disorazole DMSO Run1	NM_138452	DHRS1	dehydrogenase/reductase (SDR family) member 1	0.453983	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_1384 52	DHRS1	dehydrogenase/reductase (SDR family) member 1	0.79066	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1384 52	DHRS1	dehydrogenase/reductase (SDR family) member 1	2.590929	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0162 46	DHRS10	dehydrogenase/reductase (SDR family) member 10	-1.558246	Inlier
siRNA Disorazole DMSO Run1	NM_0162 46	DHRS10	dehydrogenase/reductase (SDR family) member 10	-1.042828	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0162 46	DHRS10	dehydrogenase/reductase (SDR family) member 10	-0.786338	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0162 46	DHRS10	dehydrogenase/reductase (SDR family) member 10	-0.167785	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0162 46	DHRS10	dehydrogenase/reductase (SDR family) member 10	0.167785	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

				dehydroge nase/redu ctase (SDR family) member	
siRNA Disorazole DMSO Run3	NM_0162 46	DHRS10	10	0.342885	Inlier
			dehydroge nase/redu ctase (SDR family) member		
siRNA-Vinblastine Run1- DMSO	NM_0162 46	DHRS10	10	0.562662	Inlier
			dehydroge nase/redu ctase (SDR family) member		
siRNA Disorazole DMSO Run2	NM_0162 46	DHRS10	10	1.577941	Inlier
			dehydroge nase/redu ctase (SDR family) member 2		
siRNA-Temozolomide Run3- DMSO	NM_1829 08	DHRS2	member 2	-1.343934	Inlier
			dehydroge nase/redu ctase (SDR family) member 2		
siRNA-Temozolomide Run2- DMSO	NM_1829 08	DHRS2	member 2	-1.091841	Inlier
			dehydroge nase/redu ctase (SDR family) member 2		
siRNA Disorazole DMSO Run1	NM_1829 08	DHRS2	member 2	-0.807825	Inlier
			dehydroge nase/redu ctase (SDR family) member 2		
siRNA-Temozolomide Run1- DMSO	NM_1829 08	DHRS2	member 2	-0.024676	Inlier
			dehydroge nase/redu ctase (SDR family) member 2		
siRNA Disorazole DMSO Run3	NM_1829 08	DHRS2	member 2	0.024676	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_182908	DHRS2	dehydrogenase/reductase (SDR family) member 2	0.430267	Inlier
siRNA-Vinblastine Run1-DMSO	NM_182908	DHRS2	dehydrogenase/reductase (SDR family) member 2	0.541175	Inlier
siRNA Disorazole DMSO Run2	NM_182908	DHRS2	dehydrogenase/reductase (SDR family) member 2	0.929941	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004753	DHRS3	dehydrogenase/reductase (SDR family) member 3	-1.932978	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004753	DHRS3	dehydrogenase/reductase (SDR family) member 3	-1.091604	Inlier
siRNA Disorazole DMSO Run1	NM_004753	DHRS3	dehydrogenase/reductase (SDR family) member 3	-0.394843	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004753	DHRS3	dehydrogenase/reductase (SDR family) member 3	-0.048448	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004753	DHRS3	dehydrogenase/reductase (SDR family) member 3	0.048448	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0047 53	DHRS3	dehydroge nase/redu ctase (SDR family) member 3	0.631087	Inlier
siRNA Disorazole DMSO Run3	NM_0047 53	DHRS3	dehydroge nase/redu ctase (SDR family) member 3	0.717913	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0047 53	DHRS3	dehydroge nase/redu ctase (SDR family) member 3	0.759445	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0210 04	DHRS4	dehydroge nase/redu ctase (SDR family) member 4	-0.875744	Inlier
siRNA Disorazole DMSO Run2	NM_0210 04	DHRS4	dehydroge nase/redu ctase (SDR family) member 4	-0.761006	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0210 04	DHRS4	dehydroge nase/redu ctase (SDR family) member 4	-0.587994	Inlier
siRNA Disorazole DMSO Run1	NM_0210 04	DHRS4	dehydroge nase/redu ctase (SDR family) member 4	-0.030487	Inlier
siRNA Disorazole DMSO Run3	NM_0210 04	DHRS4	dehydroge nase/redu ctase (SDR family) member 4	0.030487	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_021004	DHRS4	dehydrogenase/reductase (SDR family) member 4	0.109754	Inlier
siRNA-Vinblastine Run1-DMSO	NM_021004	DHRS4	dehydrogenase/reductase (SDR family) member 4	1.548526	Inlier
siRNA-Vinblastine Run2-DMSO	NM_021004	DHRS4	dehydrogenase/reductase (SDR family) member 4	1.806452	Inlier
siRNA-Temozolomide Run2-DMSO	NM_198083	DHRS4L2	dehydrogenase/reductase (SDR family) member 4 like 2	-2.231825	Inlier
siRNA Disorazole DMSO Run1	NM_198083	DHRS4L2	dehydrogenase/reductase (SDR family) member 4 like 2	-0.393255	Inlier
siRNA-Vinblastine Run1-DMSO	NM_198083	DHRS4L2	dehydrogenase/reductase (SDR family) member 4 like 2	-0.198591	Inlier
siRNA-Temozolomide Run1-DMSO	NM_198083	DHRS4L2	dehydrogenase/reductase (SDR family) member 4 like 2	-0.007469	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_198083	DHRS4L2	dehydrogenase/reductase (SDR family) member 4 like 2	0.00747	Inlier
siRNA-Temozolomide Run3-DMSO	NM_198083	DHRS4L2	dehydrogenase/reductase (SDR family) member 4 like 2	0.955745	Inlier
siRNA Disorazole DMSO Run3	NM_198083	DHRS4L2	dehydrogenase/reductase (SDR family) member 4 like 2	1.550969	Inlier
siRNA Disorazole DMSO Run2	NM_198083	DHRS4L2	dehydrogenase/reductase (SDR family) member 4 like 2	5.784589	Outlier
siRNA-Temozolomide Run3-DMSO	NM_020139	DHRS6	dehydrogenase/reductase (SDR family) member 6	-3.482864	Inlier
siRNA-Temozolomide Run2-DMSO	NM_020139	DHRS6	dehydrogenase/reductase (SDR family) member 6	-1.704947	Inlier
siRNA Disorazole DMSO Run1	NM_020139	DHRS6	dehydrogenase/reductase (SDR family) member 6	-0.714646	Inlier
siRNA Disorazole DMSO Run2	NM_020139	DHRS6	dehydrogenase/reductase (SDR family) member 6	-0.145004	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_020139	DHRS6	dehydrogenase/reductase (SDR family) member 6	0.145003	Inlier
siRNA-Vinblastine Run2-DMSO	NM_020139	DHRS6	dehydrogenase/reductase (SDR family) member 6	0.356879	Inlier
siRNA-Vinblastine Run1-DMSO	NM_020139	DHRS6	dehydrogenase/reductase (SDR family) member 6	0.634354	Inlier
siRNA Disorazole DMSO Run3	NM_020139	DHRS6	dehydrogenase/reductase (SDR family) member 6	0.836057	Inlier
siRNA-Temozolomide Run2-DMSO	NM_016029	DHRS7	dehydrogenase/reductase (SDR family) member 7	-1.332074	Inlier
siRNA-Temozolomide Run3-DMSO	NM_016029	DHRS7	dehydrogenase/reductase (SDR family) member 7	-0.825378	Inlier
siRNA Disorazole DMSO Run3	NM_016029	DHRS7	dehydrogenase/reductase (SDR family) member 7	-0.122615	Inlier
siRNA Disorazole DMSO Run1	NM_016029	DHRS7	dehydrogenase/reductase (SDR family) member 7	-0.111805	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0160 29	DHRS7	dehydrogenase/reductase (SDR family) member 7	0.111806	Inlier
siRNA Disorazole DMSO Run2	NM_0160 29	DHRS7	dehydrogenase/reductase (SDR family) member 7	0.523622	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0160 29	DHRS7	dehydrogenase/reductase (SDR family) member 7	0.934225	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0160 29	DHRS7	dehydrogenase/reductase (SDR family) member 7	1.09804	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0162 45	DHRS8	dehydrogenase/reductase (SDR family) member 8	-1.358883	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0162 45	DHRS8	dehydrogenase/reductase (SDR family) member 8	-1.272785	Inlier
siRNA Disorazole DMSO Run2	NM_0162 45	DHRS8	dehydrogenase/reductase (SDR family) member 8	-0.653592	Inlier
siRNA Disorazole DMSO Run3	NM_0162 45	DHRS8	dehydrogenase/reductase (SDR family) member 8	-0.164814	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0162 45	DHRS8	dehydrogenase/reductase (SDR family) member 8	0.164813	Inlier
siRNA Disorazole DMSO Run1	NM_0162 45	DHRS8	dehydrogenase/reductase (SDR family) member 8	0.231953	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0162 45	DHRS8	dehydrogenase/reductase (SDR family) member 8	0.695408	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0162 45	DHRS8	dehydrogenase/reductase (SDR family) member 8	1.352688	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1992 04	DHRS9	dehydrogenase/reductase (SDR family) member 9	-6.443621	Outlier
siRNA-Temozolomide Run3-DMSO	NM_1992 04	DHRS9	dehydrogenase/reductase (SDR family) member 9	-4.836973	Outlier
siRNA-Temozolomide Run1-DMSO	NM_1992 04	DHRS9	dehydrogenase/reductase (SDR family) member 9	-0.574272	Inlier
siRNA Disorazole DMSO Run1	NM_1992 04	DHRS9	dehydrogenase/reductase (SDR family) member 9	-0.187404	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_199204	DHRS9	dehydrogenase/reductase (SDR family) member 9	0.187404	Inlier
siRNA-Vinblastine Run2-DMSO	NM_199204	DHRS9	dehydrogenase/reductase (SDR family) member 9	0.278687	Inlier
siRNA Disorazole DMSO Run3	NM_199204	DHRS9	dehydrogenase/reductase (SDR family) member 9	0.774728	Inlier
siRNA Disorazole DMSO Run2	NM_199204	DHRS9	dehydrogenase/reductase (SDR family) member 9	0.953608	Inlier
siRNA-Temozolomide Run2-DMSO	NM_145177	DHRSX	dehydrogenase/reductase (SDR family) X-linked	-1.358628	Inlier
siRNA-Temozolomide Run3-DMSO	NM_145177	DHRSX	dehydrogenase/reductase (SDR family) X-linked	-0.803583	Inlier
siRNA-Temozolomide Run1-DMSO	NM_145177	DHRSX	dehydrogenase/reductase (SDR family) X-linked	-0.545417	Inlier
siRNA Disorazole DMSO Run1	NM_145177	DHRSX	dehydrogenase/reductase (SDR family) X-linked	-0.406503	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_1451 77	DHR SX	dehydroge nase/redu ctase (SDR family) X- linked	0.406503	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1451 77	DHR SX	dehydroge nase/redu ctase (SDR family) X- linked	0.48222	Inlier
siRNA Disorazole DMSO Run2	NM_1451 77	DHR SX	dehydroge nase/redu ctase (SDR family) X- linked	2.656857	Inlier
siRNA Disorazole DMSO Run3	NM_1451 77	DHR SX	dehydroge nase E1 and transketol ase domain containing	2.681534	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0187 06	DHTKD1	1 dehydroge nase E1 and transketol ase domain containing	-3.746145	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0187 06	DHTKD1	1 dehydroge nase E1 and transketol ase domain containing	-1.625021	Inlier
siRNA Disorazole DMSO Run1	NM_0187 06	DHTKD1	1 dehydroge nase E1 and transketol ase domain containing	-0.615906	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_018706	DHTKD1	dehydrogenase E1 and transketolase domain containing 1	-0.079784	Inlier
siRNA-Vinblastine Run1-DMSO	NM_018706	DHTKD1	dehydrogenase E1 and transketolase domain containing 1	0.079782	Inlier
siRNA-Vinblastine Run2-DMSO	NM_018706	DHTKD1	dehydrogenase E1 and transketolase domain containing 1	0.333583	Inlier
siRNA Disorazole DMSO Run3	NM_018706	DHTKD1	dehydrogenase E1 and transketolase domain containing 1	0.733094	Inlier
siRNA Disorazole DMSO Run2	NM_018706	DHTKD1	DEAH (Asp-Glu-Ala-His) box	1.969642	Inlier
siRNA Disorazole DMSO Run1	NM_003587	DHX16	polypeptide 16	-0.846545	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003587	DHX16	DEAH (Asp-Glu-Ala-His) box polypeptide 16	-0.502455	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0035 87	DHX16	DEAH (Asp-Glu- Ala-His) box polypeptid e 16	-0.02117	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0035 87	DHX16	DEAH (Asp-Glu- Ala-His) box polypeptid e 16	-0.014497	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0035 87	DHX16	DEAH (Asp-Glu- Ala-His) box polypeptid e 16	0.014496	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0035 87	DHX16	DEAH (Asp-Glu- Ala-His) box polypeptid e 16	1.527103	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0035 87	DHX16	DEAH (Asp-Glu- Ala-His) box polypeptid e 16	1.827994	Inlier
siRNA Disorazole DMSO Run2	NM_0035 87	DHX16	DEAH (Asp-Glu- Ala-His) box polypeptid e 16	4.28551	Outlier
siRNA-Temozolomide Run3- DMSO	NM_1944 28	DHX34	DEAH (Asp-Glu- Ala-His) box polypeptid e 34	-0.891354	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1944 28	DHX34	DEAH (Asp-Glu- Ala-His) box polypeptid e 34	-0.591964	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_1944 28	DHX34	DEAH (Asp-Glu-Ala-His) box polypeptide 34	-0.454253	Inlier
siRNA Disorazole DMSO Run3	NM_1944 28	DHX34	DEAH (Asp-Glu-Ala-His) box polypeptide 34	-0.337319	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1944 28	DHX34	DEAH (Asp-Glu-Ala-His) box polypeptide 34	0.337319	Inlier
siRNA Disorazole DMSO Run1	NM_1944 28	DHX34	DEAH (Asp-Glu-Ala-His) box polypeptide 34	0.757036	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1944 28	DHX34	DEAH (Asp-Glu-Ala-His) box polypeptide 34	2.707468	Inlier
siRNA Disorazole DMSO Run2	NM_1944 28	DHX34	DEAH (Asp-Glu-Ala-His) box polypeptide 34	2.715667	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0219 31	DHX35	DEAH (Asp-Glu-Ala-His) box polypeptide 35	-1.130517	Inlier
siRNA Disorazole DMSO Run3	NM_0219 31	DHX35	DEAH (Asp-Glu-Ala-His) box polypeptide 35	-0.74132	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0219 31	DHX35	DEAH (Asp-Glu-Ala-His) box polypeptide 35	-0.509007	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0219 31	DHX35	DEAH (Asp-Glu-Ala-His) box polypeptide 35	-0.265329	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0219 31	DHX35	DEAH (Asp-Glu-Ala-His) box polypeptide 35	0.265329	Inlier
siRNA Disorazole DMSO Run1	NM_0219 31	DHX35	DEAH (Asp-Glu-Ala-His) box polypeptide 35	0.60768	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0219 31	DHX35	DEAH (Asp-Glu-Ala-His) box polypeptide 35	4.034214	Outlier
siRNA Disorazole DMSO Run2	NM_0219 31	DHX35	DEAH (Asp-Glu-Ala-His) box polypeptide 35	4.853745	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0073 26	DIA1	diaphorase (NADH) (cytochrome b-5 reductase)	-2.608463	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0073 26	DIA1	diaphorase (NADH) (cytochrome b-5 reductase)	-1.291416	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0073 26	DIA1	diaphorase (NADH) (cytochrome b-5 reductase)	-0.248006	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0073 26	DIA1	diaphorase (NADH) (cytochrome b-5 reductase)	-0.021988	Inlier
siRNA Disorazole DMSO Run3	NM_0073 26	DIA1	diaphorase (NADH) (cytochrome b-5 reductase)	0.021988	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0073 26	DIA1	diaphorase (NADH) (cytochrome b-5 reductase)	0.140167	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0073 26	DIA1	diaphorase (NADH) (cytochrome b-5 reductase)	1.100994	Inlier
siRNA Disorazole DMSO Run2	NM_0073 26	DIA1	diaphorase (NADH) (cytochrome b-5 reductase)	2.201234	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1389 30	DIABLO	diablo homolog (Drosophila)	-1.231735	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1389 30	DIABLO	diablo homolog (Drosophila)	-1.210187	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1389 30	DIABLO	diablo homolog (Drosophila)	-0.632623	Inlier
siRNA Disorazole DMSO Run1	NM_1389 30	DIABLO	diablo homolog (Drosophila)	-0.273944	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_1389 30	DIABLO	diablo homolog (Drosophil a)	0.273944	Inlier
siRNA Disorazole DMSO Run3	NM_1389 30	DIABLO	diablo homolog (Drosophil a)	0.294335	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1389 30	DIABLO	diablo homolog (Drosophil a)	0.716377	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1389 30	DIABLO	diablo homolog (Drosophil a)	0.779602	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0007 92	DIO1	deiodinase , iodothyroni ne, type I	-1.333673	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0007 92	DIO1	deiodinase , iodothyroni ne, type I	-0.950393	Inlier
siRNA Disorazole DMSO Run1	NM_0007 92	DIO1	deiodinase , iodothyroni ne, type I	-0.845679	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0007 92	DIO1	deiodinase , iodothyroni ne, type I	-0.097316	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0007 92	DIO1	deiodinase , iodothyroni ne, type I	0.097316	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0007 92	DIO1	deiodinase , iodothyroni ne, type I	0.330501	Inlier
siRNA Disorazole DMSO Run3	NM_0007 92	DIO1	deiodinase , iodothyroni ne, type I	0.503321	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

			deiodinase	
siRNA Disorazole DMSO Run2	NM_0007 92	DIO1	, iodothyronine, type I	2.596783 Inlier
			deiodinase	
siRNA-Temozolomide Run3-DMSO	NM_0007 93	DIO2	, iodothyronine, type II	-1.232134 Inlier
			deiodinase	
siRNA-Temozolomide Run2-DMSO	NM_0007 93	DIO2	, iodothyronine, type II	-0.831518 Inlier
			deiodinase	
siRNA Disorazole DMSO Run1	NM_0007 93	DIO2	, iodothyronine, type II	-0.188705 Inlier
			deiodinase	
siRNA-Vinblastine Run2-DMSO	NM_0007 93	DIO2	, iodothyronine, type II	-0.132198 Inlier
			deiodinase	
siRNA Disorazole DMSO Run3	NM_0007 93	DIO2	, iodothyronine, type II	0.132198 Inlier
			deiodinase	
siRNA-Temozolomide Run1-DMSO	NM_0007 93	DIO2	, iodothyronine, type II	0.517482 Inlier
			deiodinase	
siRNA-Vinblastine Run1-DMSO	NM_0007 93	DIO2	, iodothyronine, type II	0.932121 Inlier
			deiodinase	
siRNA Disorazole DMSO Run2	NM_0007 93	DIO2	, iodothyronine, type II	1.650754 Inlier
			deiodinase	
siRNA-Temozolomide Run3-DMSO	NM_0013 62	DIO3	, iodothyronine, type III	-1.885546 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_001362	DIO3	deiodinase, iodothyronine, type III	-0.757808	Inlier
siRNA Disorazole DMSO Run1	NM_001362	DIO3	deiodinase, iodothyronine, type III	-0.591192	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001362	DIO3	deiodinase, iodothyronine, type III	-0.044129	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001362	DIO3	deiodinase, iodothyronine, type III	0.044129	Inlier
siRNA Disorazole DMSO Run3	NM_001362	DIO3	deiodinase, iodothyronine, type III	0.476598	Inlier
siRNA Disorazole DMSO Run2	NM_001362	DIO3	deiodinase, iodothyronine, type III	1.806958	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001362	DIO3	deiodinase, iodothyronine, type III	1.807828	Inlier
siRNA Disorazole DMSO Run1	NM_145173	DIRAS1	DIRAS family, GTP-binding RAS-like 1	-0.998058	Inlier
siRNA Disorazole DMSO Run3	NM_145173	DIRAS1	DIRAS family, GTP-binding RAS-like 1	-0.7295	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_1451 73	DIRAS1	DIRAS family, GTP-binding RAS-like 1	-0.6195 Inlier
siRNA-Temozolomide Run1-DMSO	NM_1451 73	DIRAS1	DIRAS family, GTP-binding RAS-like 1	-0.075762 Inlier
siRNA-Temozolomide Run2-DMSO	NM_1451 73	DIRAS1	DIRAS family, GTP-binding RAS-like 1	0.075763 Inlier
siRNA-Temozolomide Run3-DMSO	NM_1451 73	DIRAS1	DIRAS family, GTP-binding RAS-like 1	0.362801 Inlier
siRNA Disorazole DMSO Run2	NM_1451 73	DIRAS1	DIRAS family, GTP-binding RAS-like 1	0.876174 Inlier
siRNA-Vinblastine Run1-DMSO	NM_1451 73	DIRAS1	DIRAS family, GTP-binding RAS-like 1	0.997514 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0175 94	DIRAS2	DIRAS family, GTP-binding RAS-like 2	-0.99942 Inlier
siRNA Disorazole DMSO Run1	NM_0175 94	DIRAS2	DIRAS family, GTP-binding RAS-like 2	-0.620658 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0175 94	DIRAS2	DIRAS family, GTP-binding RAS-like 2	-0.227181	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0175 94	DIRAS2	DIRAS family, GTP-binding RAS-like 2	-0.128018	Inlier
siRNA Disorazole DMSO Run3	NM_0175 94	DIRAS2	DIRAS family, GTP-binding RAS-like 2	0.128017	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0175 94	DIRAS2	DIRAS family, GTP-binding RAS-like 2	0.728342	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0175 94	DIRAS2	DIRAS family, GTP-binding RAS-like 2	1.860272	Inlier
siRNA Disorazole DMSO Run2	NM_0175 94	DIRAS2	DIRAS family, GTP-binding RAS-like 2	2.043643	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0155 18	DKFZP43 4C131	unc-51-like kinase 3 (C. elegans)	-0.834786	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0155 18	DKFZP43 4C131	unc-51-like kinase 3 (C. elegans)	-0.514214	Inlier
siRNA Disorazole DMSO Run3	NM_0155 18	DKFZP43 4C131	unc-51-like kinase 3 (C. elegans)	-0.168523	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0155 18	DKFZP43 4C131	unc-51- like kinase 3 (C. elegans)	-0.031325	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0155 18	DKFZP43 4C131	unc-51- like kinase 3 (C. elegans)	0.031325	Inlier
siRNA Disorazole DMSO Run2	NM_0155 18	DKFZP43 4C131	unc-51- like kinase 3 (C. elegans)	0.904575	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0155 18	DKFZP43 4C131	unc-51- like kinase 3 (C. elegans)	1.539479	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0155 18	DKFZP43 4C131	unc-51- like kinase 3 (C. elegans)	1.546013	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1736 55	DKFZp434 C1418	receptor EPH A6	-6.263306	Outlier
siRNA-Temozolomide Run2- DMSO	NM_1736 55	DKFZp434 C1418	receptor EPH A6	-2.903325	Inlier
siRNA Disorazole DMSO Run3	NM_1736 55	DKFZp434 C1418	receptor EPH A6	-0.185327	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1736 55	DKFZp434 C1418	receptor EPH A6	-0.019729	Inlier
siRNA Disorazole DMSO Run1	NM_1736 55	DKFZp434 C1418	receptor EPH A6	0.019728	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1736 55	DKFZp434 C1418	receptor EPH A6	0.125713	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1736 55	DKFZp434 C1418	receptor EPH A6	1.163673	Inlier
siRNA Disorazole DMSO Run2	NM_1736 55	DKFZp434 C1418	receptor EPH A6	2.10454	Inlier
siRNA-Temozolomide Run1- DMSO	XM_29115 9	DKFZP43 4F011	DKFZP43 4F011	-1.375635	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Temozolomide Run3- DMSO	XM_29115	DKFZP43	DKFZP43		
	9	4F011	4F011	-0.777917	Inlier
	XM_29115	DKFZP43	DKFZP43		
siRNA Disorazole DMSO Run3	9	4F011	4F011	-0.379255	Inlier
siRNA-Vinblastine Run2- DMSO	XM_29115	DKFZP43	DKFZP43		
	9	4F011	4F011	-0.199584	Inlier
siRNA-Temozolomide Run2- DMSO	XM_29115	DKFZP43	DKFZP43		
	9	4F011	4F011	0.199584	Inlier
	XM_29115	DKFZP43	DKFZP43		
siRNA Disorazole DMSO Run1	9	4F011	4F011	0.673759	Inlier
siRNA-Vinblastine Run1- DMSO	XM_29115	DKFZP43	DKFZP43		
	9	4F011	4F011	0.675241	Inlier
	XM_29115	DKFZP43	DKFZP43		
siRNA Disorazole DMSO Run2	9	4F011	4F011	1.343799	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0321	DKFZP43	DKFZP43		
	36	4L1717	4L1717	-0.887554	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0321	DKFZP43	DKFZP43		
	36	4L1717	4L1717	-0.691252	Inlier
	NM_0321	DKFZP43	DKFZP43		
siRNA Disorazole DMSO Run3	36	4L1717	4L1717	-0.657748	Inlier
	NM_0321	DKFZP43	DKFZP43		
siRNA Disorazole DMSO Run1	36	4L1717	4L1717	-0.142009	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0321	DKFZP43	DKFZP43		
	36	4L1717	4L1717	0.142009	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0321	DKFZP43	DKFZP43		
	36	4L1717	4L1717	0.357243	Inlier
	NM_0321	DKFZP43	DKFZP43		
siRNA Disorazole DMSO Run2	36	4L1717	4L1717	3.550472	Outlier
siRNA-Vinblastine Run1- DMSO	NM_0321	DKFZP43	DKFZP43		
	36	4L1717	4L1717	4.957335	Outlier
					solute carrier family 25 (mitochon drial carrier; adenine nucleotide translocat or),
siRNA-Temozolomide Run1- DMSO	NM_0312	DKFZP43	member		
	91	4N1235	31	-3.265136	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Accession	Gene Name	Score	Category
siRNA-Temozolomide Run2-DMSO	NM_031291	DKFZP434N1235	member 31	-0.760569	Inlier
siRNA-Vinblastine Run2-DMSO	NM_031291	DKFZP434N1235	member 31	-0.456024	Inlier
siRNA Disorazole DMSO Run1	NM_031291	DKFZP434N1235	member 31	-0.013397	Inlier
siRNA-Temozolomide Run3-DMSO	NM_031291	DKFZP434N1235	member 31	0.013397	Inlier

solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator),

solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator),

solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator),

solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator),

solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator),

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Accession	Gene Name	Score	Outlier
siRNA Disorazole DMSO Run3	NM_031291	DKFZP434N1235	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 31	0.588431	Inlier
siRNA-Vinblastine Run1-DMSO	NM_031291	DKFZP434N1235	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 31	1.708241	Inlier
siRNA Disorazole DMSO Run2	NM_031291	DKFZP434N1235	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 31	3.010655	Inlier
siRNA-Temozolomide Run3-DMSO	NM_031306	DKFZP564B1023	DEAD (Asp-Glu-Ala-Asp) box polypeptide 59	-1.001211	Inlier
siRNA-Temozolomide Run2-DMSO	NM_031306	DKFZP564B1023	DEAD (Asp-Glu-Ala-Asp) box polypeptide 59	-0.888062	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			DEAD (Asp-Glu-Ala-Asp) box		
siRNA-Vinblastine Run2-DMSO	NM_031306	DKFZP564B1023	polypeptide 59	-0.207857	Inlier
			DEAD (Asp-Glu-Ala-Asp) box		
siRNA Disorazole DMSO Run3	NM_031306	DKFZP564B1023	polypeptide 59	-0.129253	Inlier
			DEAD (Asp-Glu-Ala-Asp) box		
siRNA-Temozolomide Run1-DMSO	NM_031306	DKFZP564B1023	polypeptide 59	0.129253	Inlier
			DEAD (Asp-Glu-Ala-Asp) box		
siRNA Disorazole DMSO Run1	NM_031306	DKFZP564B1023	polypeptide 59	0.460938	Inlier
			DEAD (Asp-Glu-Ala-Asp) box		
siRNA-Vinblastine Run1-DMSO	NM_031306	DKFZP564B1023	polypeptide 59	1.655908	Inlier
			DEAD (Asp-Glu-Ala-Asp) box		
siRNA Disorazole DMSO Run2	NM_031306	DKFZP564B1023	polypeptide 59	2.341836	Inlier
siRNA-Temozolomide Run3-DMSO	NM_015605	DKFZP566K0524	DKFZP566K0524	-3.848501	Outlier
siRNA-Temozolomide Run2-DMSO	NM_015605	DKFZP566K0524	DKFZP566K0524	-0.747802	Inlier
siRNA-Temozolomide Run1-DMSO	NM_015605	DKFZP566K0524	DKFZP566K0524	-0.741557	Inlier
	NM_015605	DKFZP566K0524	DKFZP566K0524	-0.302897	Inlier
siRNA Disorazole DMSO Run3	NM_015605	DKFZP566K0524	DKFZP566K0524	0.302897	Inlier
siRNA Disorazole DMSO Run2	NM_015605	DKFZP566K0524	DKFZP566K0524	0.362078	Inlier
siRNA Disorazole DMSO Run1	NM_015605	DKFZP566K0524	DKFZP566K0524	0.607443	Inlier
siRNA-Vinblastine Run1-DMSO	NM_015605	DKFZP566K0524	DKFZP566K0524	0.607443	Inlier
siRNA-Vinblastine Run2-DMSO	NM_015605	DKFZP566K0524	DKFZP566K0524	1.120913	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Temozolomide Run2- DMSO	NM_0155 10	DKFZp566 O084	DKFZp566 O084	-5.136016	Outlier
	NM_0155	DKFZp566	DKFZp566		
siRNA Disorazole DMSO Run1	10	O084	O084	-0.689003	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0155 10	DKFZp566 O084	DKFZp566 O084	-0.659997	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0155 10	DKFZp566 O084	DKFZp566 O084	-0.404239	Inlier
	NM_0155	DKFZp566	DKFZp566		
siRNA Disorazole DMSO Run3	10	O084	O084	0.404239	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0155 10	DKFZp566 O084	DKFZp566 O084	0.647581	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0155 10	DKFZp566 O084	DKFZp566 O084	5.001007	Outlier
	NM_0155	DKFZp566	DKFZp566		
siRNA Disorazole DMSO Run2	10	O084	O084	9.407449	Outlier
siRNA-Temozolomide Run1- DMSO	NM_0140 33	DKFZP58 6A0522	DKFZP58 6A0522	-3.246306	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0140 33	DKFZP58 6A0522	DKFZP58 6A0522	-2.850981	Inlier
	NM_0140	DKFZP58	DKFZP58		
siRNA Disorazole DMSO Run1	33	6A0522	6A0522	-0.848816	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0140 33	DKFZP58 6A0522	DKFZP58 6A0522	-0.318	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0140 33	DKFZP58 6A0522	DKFZP58 6A0522	0.318	Inlier
	NM_0140	DKFZP58	DKFZP58		
siRNA Disorazole DMSO Run2	33	6A0522	6A0522	0.4118	Inlier
	NM_0140	DKFZP58	DKFZP58		
siRNA Disorazole DMSO Run3	33	6A0522	6A0522	0.500184	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0140 33	DKFZP58 6A0522	DKFZP58 6A0522	3.884623	Outlier
siRNA-Temozolomide Run3- DMSO	NM_0155 33	DKFZP58 6B1621	DKFZP58 6B1621	-4.409694	Outlier
	NM_0155	DKFZP58	DKFZP58		
siRNA Disorazole DMSO Run2	33	6B1621	6B1621	-4.15168	Outlier
siRNA-Temozolomide Run1- DMSO	NM_0155 33	DKFZP58 6B1621	DKFZP58 6B1621	-0.673828	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0155 33	DKFZP58 6B1621	DKFZP58 6B1621	-0.181302	Inlier
	NM_0155	DKFZP58	DKFZP58		
siRNA Disorazole DMSO Run3	33	6B1621	6B1621	0.181303	Inlier
	NM_0155	DKFZP58	DKFZP58		
siRNA Disorazole DMSO Run1	33	6B1621	6B1621	0.24138	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0155 33	DKFZP58 6B1621	DKFZP58 6B1621	0.675171	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0155 33	DKFZP58 6B1621	DKFZP58 6B1621	1.051285	Inlier
	NM_0154	DKFZP58	DKFZP58		
siRNA Disorazole DMSO Run2	30	6H2123	6H2123	-0.909906	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0154 30	DKFZP58 6H2123	DKFZP58 6H2123	-0.788128	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Temozolomide Run2-DMSO	NM_0154	DKFZP58	DKFZP58		
	30	6H2123	6H2123	-0.300587	Inlier
	NM_0154	DKFZP58	DKFZP58		
siRNA Disorazole DMSO Run1	30	6H2123	6H2123	-0.046507	Inlier
	NM_0154	DKFZP58	DKFZP58		
siRNA Disorazole DMSO Run3	30	6H2123	6H2123	0.046507	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0154	DKFZP58	DKFZP58		
	30	6H2123	6H2123	0.560872	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0154	DKFZP58	DKFZP58		
	30	6H2123	6H2123	0.989558	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0154	DKFZP58	DKFZP58		
	30	6H2123	6H2123	1.708011	Inlier
			transmembrane		
siRNA-Temozolomide Run3-DMSO	NM_1825	DKFZp686	protease, serine 11B	-1.234149	Inlier
	02	L1818			
			transmembrane		
siRNA-Temozolomide Run2-DMSO	NM_1825	DKFZp686	protease, serine 11B	-0.583989	Inlier
	02	L1818			
			transmembrane		
siRNA Disorazole DMSO Run2	NM_1825	DKFZp686	protease, serine 11B	-0.118384	Inlier
	02	L1818			
			transmembrane		
siRNA-Temozolomide Run1-DMSO	NM_1825	DKFZp686	protease, serine 11B	-0.035892	Inlier
	02	L1818			
			transmembrane		
siRNA Disorazole DMSO Run1	NM_1825	DKFZp686	protease, serine 11B	0.035891	Inlier
	02	L1818			
			transmembrane		
siRNA Disorazole DMSO Run3	NM_1825	DKFZp686	protease, serine 11B	0.765011	Inlier
	02	L1818			
			transmembrane		
siRNA-Vinblastine Run1-DMSO	NM_1825	DKFZp686	protease, serine 11B	3.10217	Inlier
	02	L1818			
			transmembrane		
siRNA-Vinblastine Run2-DMSO	NM_1825	DKFZp686	protease, serine 11B	4.402391	Outlier
	02	L1818			

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Accession	Chromosome	Reading Frame	Value	Category
siRNA-Temozolomide Run2-DMSO	NM_0320	DKFZP761D0211	chromosome 16	open reading frame 9	-0.952126	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0320	DKFZP761D0211	chromosome 16	open reading frame 9	-0.742305	Inlier
siRNA Disorazole DMSO Run3	NM_0320	DKFZP761D0211	chromosome 16	open reading frame 9	-0.275321	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0320	DKFZP761D0211	chromosome 16	open reading frame 9	-0.08881	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0320	DKFZP761D0211	chromosome 16	open reading frame 9	0.08881	Inlier
siRNA Disorazole DMSO Run1	NM_0320	DKFZP761D0211	chromosome 16	open reading frame 9	0.606695	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0320	DKFZP761D0211	chromosome 16	open reading frame 9	1.279046	Inlier
siRNA Disorazole DMSO Run2	NM_0320	DKFZP761D0211	chromosome 16	open reading frame 9	1.463391	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0187	DKFZp761H039	chromosome 11	DKFZp761H039	-2.309884	Inlier
siRNA Disorazole DMSO Run2	NM_0187	DKFZp761H039	chromosome 11	DKFZp761H039	-0.657542	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0187	DKFZp761H039	chromosome 11	DKFZp761H039	-0.630978	Inlier
siRNA Disorazole DMSO Run1	NM_0187	DKFZp761H039	chromosome 11	DKFZp761H039	-0.5539	Inlier
siRNA Disorazole DMSO Run3	NM_0187	DKFZp761H039	chromosome 11	DKFZp761H039	0.5539	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0187	DKFZp761H039	chromosome 11	DKFZp761H039	0.691458	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Vinblastine Run1- DMSO	NM_0187 11	DKFZp761 H039	DKFZp761 H039	0.780157	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0187 11	DKFZp761 H039	DKFZp761 H039	1.157334	Inlier
siRNA-Temozolomide Run3- DMSO	XM_29061 5	DKFZp762 F0713	DKFZp762 F0713	-1.881694	Inlier
siRNA-Temozolomide Run1- DMSO	XM_29061 5	DKFZp762 F0713	DKFZp762 F0713	-0.755611	Inlier
siRNA-Temozolomide Run2- DMSO	XM_29061 5	DKFZp762 F0713	DKFZp762 F0713	-0.442883	Inlier
siRNA-Vinblastine Run2- DMSO	XM_29061 5	DKFZp762 F0713	DKFZp762 F0713	-0.288829	Inlier
siRNA Disorazole DMSO Run1	XM_29061 5	DKFZp762 F0713	DKFZp762 F0713	0.288829	Inlier
siRNA Disorazole DMSO Run2	XM_29061 5	DKFZp762 F0713	DKFZp762 F0713	0.593389	Inlier
siRNA Disorazole DMSO Run3	XM_29061 5	DKFZp762 F0713	DKFZp762 F0713	0.767492	Inlier
siRNA-Vinblastine Run1- DMSO	XM_29061 5	DKFZp762 F0713	DKFZp762 F0713	2.013323	Inlier
siRNA Disorazole DMSO Run3	NM_0582 48	DLAD	deoxyribon uclease II beta	-0.928675	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0582 48	DLAD	deoxyribon uclease II beta	-0.887074	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0582 48	DLAD	deoxyribon uclease II beta	-0.401519	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0582 48	DLAD	deoxyribon uclease II beta	-0.108153	Inlier
siRNA Disorazole DMSO Run1	NM_0582 48	DLAD	deoxyribon uclease II beta	0.108153	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0582 48	DLAD	deoxyribon uclease II beta	0.461926	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0582 48	DLAD	deoxyribon uclease II beta	1.516454	Inlier
siRNA Disorazole DMSO Run2	NM_0582 48	DLAD	deoxyribon uclease II beta	2.150304	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_001931	DLAT	dihydrolipoamide S-acetyltransferase (E2 component of pyruvate dehydrogenase complex)	-1.122086	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001931	DLAT	dihydrolipoamide S-acetyltransferase (E2 component of pyruvate dehydrogenase complex)	-1.036136	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001931	DLAT	dihydrolipoamide S-acetyltransferase (E2 component of pyruvate dehydrogenase complex)	-0.326348	Inlier
siRNA Disorazole DMSO Run1	NM_001931	DLAT	dihydrolipoamide S-acetyltransferase (E2 component of pyruvate dehydrogenase complex)	-0.155958	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_001931	DLAT	dihydrolipoamide S-acetyltransferase (E2 component of pyruvate dehydrogenase complex)	0.155959	Inlier
siRNA Disorazole DMSO Run3	NM_001931	DLAT	dihydrolipoamide S-acetyltransferase (E2 component of pyruvate dehydrogenase complex)	0.330279	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001931	DLAT	dihydrolipoamide S-acetyltransferase (E2 component of pyruvate dehydrogenase complex)	1.018721	Inlier
siRNA Disorazole DMSO Run2	NM_001931	DLAT	dihydrolipoamide S-acetyltransferase (E2 component of pyruvate dehydrogenase complex)	3.07104	Inlier
siRNA-Temozolomide Run3-DMSO	NM_024767	DLC1	deleted in liver cancer 1	-2.307484	Inlier
siRNA-Temozolomide Run1-DMSO	NM_024767	DLC1	deleted in liver cancer 1	-1.39279	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2- DMSO	NM_0247 67	DLC1	deleted in liver cancer 1	-0.067963	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0247 67	DLC1	deleted in liver cancer 1	-0.041261	Inlier
siRNA Disorazole DMSO Run3	NM_0247 67	DLC1	deleted in liver cancer 1	0.041261	Inlier
siRNA Disorazole DMSO Run2	NM_0247 67	DLC1	deleted in liver cancer 1	0.327577	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0247 67	DLC1	deleted in liver cancer 1	1.021423	Inlier
siRNA Disorazole DMSO Run1	NM_0247 67	DLC1	deleted in liver cancer 1	1.188052	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0806 77	Dlc2	Dlc2	-0.895986	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0806 77	Dlc2	Dlc2	-0.859568	Inlier
siRNA Disorazole DMSO Run1	NM_0806 77	Dlc2	Dlc2	-0.225993	Inlier
siRNA Disorazole DMSO Run3	NM_0806 77	Dlc2	Dlc2	-0.151545	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0806 77	Dlc2	Dlc2	0.151545	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0806 77	Dlc2	Dlc2	0.489432	Inlier
siRNA Disorazole DMSO Run2	NM_0806 77	Dlc2	Dlc2	1.402664	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0806 77	Dlc2	Dlc2	1.59533	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			dihydrolipo amide dehydroge nase (E3 componen t of pyruvate dehydroge nase complex, 2- oxo- glutarate complex, branched chain keto acid dehydroge nase complex)	-1.144325	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0001 08	DLD	dihydrolipo amide dehydroge nase (E3 componen t of pyruvate dehydroge nase complex, 2- oxo- glutarate complex, branched chain keto acid dehydroge nase complex)	-1.144325	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0001 08	DLD	dihydrolipo amide dehydroge nase (E3 componen t of pyruvate dehydroge nase complex, 2- oxo- glutarate complex, branched chain keto acid dehydroge nase complex)	-1.058913	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

			dihydrolipo amide dehydroge nase (E3 componen t of pyruvate dehydroge nase complex, 2- oxo- glutarate complex, branched chain keto acid dehydroge nase complex, 2- oxo- glutarate complex, branched chain keto acid dehydroge nase complex)	-0.732443	Inlier
siRNA Disorazole	NM_0001	08	DLD		
DMSO					
siRNA-Temozolomide	NM_0001	08	DLD	-0.047422	Inlier
DMSO					

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

				dihydrolipo amide dehydroge nase (E3 componen t of pyruvate dehydroge nase complex, 2- oxo- glutarate complex, branched chain keto acid dehydroge nase complex, 2- oxo- glutarate complex, branched chain keto acid dehydroge nase complex)	0.047422	Inlier
siRNA Disorazole DMSO Run1	NM_0001 08		DLD			
siRNA-Vinblastine Run1- DMSO	NM_0001 08		DLD		0.449242	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_000108	DLD	dihydrolipoamide dehydrogenase (E3 component of pyruvate dehydrogenase complex, 2-oxo-glutarate complex, branched chain keto acid dehydrogenase complex)	0.616557	Inlier
siRNA Disorazole DMSO Run2	NM_000108	DLD	dihydrolipoamide dehydrogenase (E3 component of pyruvate dehydrogenase complex, 2-oxo-glutarate complex, branched chain keto acid dehydrogenase complex)	0.76861	Inlier
siRNA Disorazole DMSO Run2	NM_004087	DLG1	discs, large homolog 1 (Drosophila)	-2.208961	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004087	DLG1	discs, large homolog 1 (Drosophila)	-1.581285	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0040 87	DLG1	discs, large homolog 1 (Drosophil a)	-0.573708 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0040 87	DLG1	discs, large homolog 1 (Drosophil a)	-0.051937 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0040 87	DLG1	discs, large homolog 1 (Drosophil a)	0.051936 Inlier
siRNA Disorazole DMSO Run1	NM_0040 87	DLG1	discs, large homolog 1 (Drosophil a)	0.635769 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0040 87	DLG1	discs, large homolog 1 (Drosophil a)	0.713231 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0040 87	DLG1	discs, large homolog 1 (Drosophil a)	1.648639 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0211 20	DLG3	discs, large homolog 3 (neuroend ocrine-dlg, Drosophila)	-1.517474 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0211 20	DLG3	discs, large homolog 3 (neuroendocrine-dlg, Drosophila)	-1.213428 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0211 20	DLG3	discs, large homolog 3 (neuroendocrine-dlg, Drosophila)	-0.109006 Inlier
siRNA Disorazole DMSO Run2	NM_0211 20	DLG3	discs, large homolog 3 (neuroendocrine-dlg, Drosophila)	-0.02145 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0211 20	DLG3	discs, large homolog 3 (neuroendocrine-dlg, Drosophila)	0.021451 Inlier
siRNA Disorazole DMSO Run1	NM_0211 20	DLG3	discs, large homolog 3 (neuroendocrine-dlg, Drosophila)	0.135571 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0211 20	DLG3	discs, large homolog 3 (neuroendocrine-dlg, Drosophila)	1.287724 Inlier
siRNA Disorazole DMSO Run3	NM_0211 20	DLG3	discs, large homolog 3 (neuroendocrine-dlg, Drosophila)	3.328764 Inlier
siRNA Disorazole DMSO Run2	NM_0013 65	DLG4	discs, large homolog 4 (Drosophila a)	-2.272247 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0013 65	DLG4	discs, large homolog 4 (Drosophila a)	-0.830235 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0013 65	DLG4	discs, large homolog 4 (Drosophila a)	-0.380466 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0013 65	DLG4	discs, large homolog 4 (Drosophila a)	-0.278385 Inlier
siRNA Disorazole DMSO Run3	NM_0013 65	DLG4	discs, large homolog 4 (Drosophila a)	0.278385 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0013 65	DLG4	discs, large homolog 4 (Drosophil a)	0.518765 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0013 65	DLG4	discs, large homolog 4 (Drosophil a)	0.97218 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0013 65	DLG4	discs, large homolog 4 (Drosophil a)	1.673555 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0047 47	DLG5	discs, large homolog 5 (Drosophil a)	-0.792199 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0047 47	DLG5	discs, large homolog 5 (Drosophil a)	-0.764054 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0047 47	DLG5	discs, large homolog 5 (Drosophil a)	-0.363506 Inlier
siRNA Disorazole DMSO Run1	NM_0047 47	DLG5	discs, large homolog 5 (Drosophil a)	-0.167419 Inlier
siRNA Disorazole DMSO Run3	NM_0047 47	DLG5	discs, large homolog 5 (Drosophil a)	0.167419 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0047 47	DLG5	discs, large homolog 5 (Drosophil a)	0.621818 Inlier
siRNA Disorazole DMSO Run2	NM_0047 47	DLG5	discs, large homolog 5 (Drosophil a)	0.727183 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0047 47	DLG5	discs, large homolog 5 (Drosophil a)	1.309812 Inlier
siRNA Disorazole DMSO Run2	NM_0047 45	DLGAP2	discs, large (Drosophil a) homolog- associated protein 2	-1.141406 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0047 45	DLGAP2	discs, large (Drosophil a) homolog- associated protein 2	-0.256028 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0047 45	DLGAP2	discs, large (Drosophil a) homolog- associated protein 2	-0.196978 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0047 45	DLGAP2	discs, large (Drosophil a) homolog- associated protein 2	-0.06823 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0047 45	DLGAP2	discs, large (Drosophil a) homolog- associated protein 2	0.06823	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0047 45	DLGAP2	discs, large (Drosophil a) homolog- associated protein 2	1.092972	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0047 45	DLGAP2	discs, large (Drosophil a) homolog- associated protein 2	1.212995	Inlier
siRNA Disorazole DMSO Run3	NM_0047 45	DLGAP2	discs, large (Drosophil a) homolog- associated protein 2	2.395785	Inlier
siRNA Disorazole DMSO Run2	NM_0019 33	DLST	dihydrolipo amide S- succinyltra nsferase (E2 componen t of 2-oxo- glutarate complex)	-0.940524	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0019 33	DLST	dihydrolipo amide S- succinyltra nsferase (E2 componen t of 2-oxo- glutarate complex)	-0.810407	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_001933	DLST	dihydrolipoamide S-succinyltransferase (E2 component of 2-oxoglutarate complex)	-0.272993	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001933	DLST	dihydrolipoamide S-succinyltransferase (E2 component of 2-oxoglutarate complex)	-0.201594	Inlier
siRNA Disorazole DMSO Run1	NM_001933	DLST	dihydrolipoamide S-succinyltransferase (E2 component of 2-oxoglutarate complex)	0.201594	Inlier
siRNA Disorazole DMSO Run3	NM_001933	DLST	dihydrolipoamide S-succinyltransferase (E2 component of 2-oxoglutarate complex)	0.538593	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001933	DLST	dihydrolipoamide S-succinyltransferase (E2 component of 2-oxoglutarate complex)	1.009066	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_001933	DLST	dihydrolipoamide S-succinyltransferase (E2 component of 2-oxoglutarate complex)	1.429405	Inlier
siRNA-Temozolomide Run2-DMSO	NM_019100	DMAP1	DNA methyltransferase 1 associated protein 1	-1.593262	Inlier
siRNA-Temozolomide Run1-DMSO	NM_019100	DMAP1	DNA methyltransferase 1 associated protein 1	-0.922027	Inlier
siRNA Disorazole DMSO Run1	NM_019100	DMAP1	DNA methyltransferase 1 associated protein 1	-0.576533	Inlier
siRNA-Temozolomide Run3-DMSO	NM_019100	DMAP1	DNA methyltransferase 1 associated protein 1	-0.266285	Inlier
siRNA-Vinblastine Run2-DMSO	NM_019100	DMAP1	DNA methyltransferase 1 associated protein 1	0.266285	Inlier
siRNA-Vinblastine Run1-DMSO	NM_019100	DMAP1	DNA methyltransferase 1 associated protein 1	0.433677	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0191 00	DMAP1	DNA methyltransferase 1 associated protein 1	0.772467	Inlier
siRNA Disorazole DMSO Run3	NM_0191 00	DMAP1	DNA methyltransferase 1 associated protein 1	0.919325	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0044 06	DMBT1	deleted in malignant brain tumors 1	-1.781656	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0044 06	DMBT1	deleted in malignant brain tumors 1	-0.714665	Inlier
siRNA Disorazole DMSO Run3	NM_0044 06	DMBT1	deleted in malignant brain tumors 1	-0.448923	Inlier
siRNA Disorazole DMSO Run1	NM_0044 06	DMBT1	deleted in malignant brain tumors 1	-0.016959	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0044 06	DMBT1	deleted in malignant brain tumors 1	0.01696	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0044 06	DMBT1	deleted in malignant brain tumors 1	0.634335	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0044 06	DMBT1	deleted in malignant brain tumors 1	1.15782	Inlier
siRNA Disorazole DMSO Run2	NM_0044 06	DMBT1	deleted in malignant brain tumors 1	1.447788	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0133 91	DMGDH	dimethylglycine dehydrogenase	-1.505815	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0133 91	DMGDH	dimethylglycine dehydrogenase	-0.926302	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0133 91	DMGDH	dimethylglycine dehydrogenase	-0.422698	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0133 91	DMGDH	dimethylglycine dehydrogenase	-0.075723	Inlier
siRNA Disorazole DMSO Run1	NM_0133 91	DMGDH	dimethylglycine dehydrogenase	0.075724	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0133 91	DMGDH	dimethylglycine dehydrogenase	0.181894	Inlier
siRNA Disorazole DMSO Run3	NM_0133 91	DMGDH	dimethylglycine dehydrogenase	0.990625	Inlier
siRNA Disorazole DMSO Run2	NM_0133 91	DMGDH	dimethylglycine dehydrogenase	2.977279	Inlier
siRNA Disorazole DMSO Run2	NM_0044 09	DMPK	dystrophia myotonica-protein kinase	-1.726583	Inlier
siRNA Disorazole DMSO Run3	NM_0044 09	DMPK	dystrophia myotonica-protein kinase	-0.546373	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0044 09	DMPK	dystrophia myotonica-protein kinase	-0.065692	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0044 09	DMPK	dystrophia myotonica-protein kinase	-0.013597	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_004409	DMPK	dystrophia myotonica-protein kinase	0.013597	Inlier
siRNA Disorazole DMSO Run1	NM_004409	DMPK	dystrophia myotonica-protein kinase	0.802627	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004409	DMPK	dystrophia myotonica-protein kinase	1.058921	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004409	DMPK	dystrophia myotonica-protein kinase	1.441494	Inlier
siRNA-Temozolomide Run3-DMSO	XM_166103	DNA2L	DNA2 DNA replication helicase 2-like (yeast)	-1.393628	Inlier
siRNA-Temozolomide Run2-DMSO	XM_166103	DNA2L	DNA2 DNA replication helicase 2-like (yeast)	-0.946609	Inlier
siRNA-Vinblastine Run2-DMSO	XM_166103	DNA2L	DNA2 DNA replication helicase 2-like (yeast)	-0.402391	Inlier
siRNA Disorazole DMSO Run3	XM_166103	DNA2L	DNA2 DNA replication helicase 2-like (yeast)	-0.158049	Inlier
siRNA-Temozolomide Run1-DMSO	XM_166103	DNA2L	DNA2 DNA replication helicase 2-like (yeast)	0.158049	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	XM_16610 3	DNA2L	DNA2 DNA replication helicase 2- like (yeast)	0.367509	Inlier
siRNA Disorazole DMSO Run2	XM_16610 3	DNA2L	DNA2 DNA replication helicase 2- like (yeast)	1.838969	Inlier
siRNA-Vinblastine Run1- DMSO	XM_16610 3	DNA2L	DNA2 DNA replication helicase 2- like (yeast)	1.901356	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0037 77	DNAH11	dynein, axonemal, heavy polypeptid e 11	-0.969182	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0037 77	DNAH11	dynein, axonemal, heavy polypeptid e 11	-0.808965	Inlier
siRNA Disorazole DMSO Run1	NM_0037 77	DNAH11	dynein, axonemal, heavy polypeptid e 11	-0.647147	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0037 77	DNAH11	dynein, axonemal, heavy polypeptid e 11	-0.005017	Inlier
siRNA Disorazole DMSO Run3	NM_0037 77	DNAH11	dynein, axonemal, heavy polypeptid e 11	0.005017	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0037 77	DNAH11	dynein, axonemal, heavy polypeptid e 11	0.267082	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0037 77	DNAH11	dynein, axonemal, heavy polypeptid e 11	0.701853	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0037 77	DNAH11	dynein, axonemal, heavy polypeptid e 11	1.013138	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0013 69	DNAH5	dynein, axonemal, heavy polypeptid e 5	-1.450787	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0013 69	DNAH5	dynein, axonemal, heavy polypeptid e 5	-0.895355	Inlier
siRNA Disorazole DMSO Run1	NM_0013 69	DNAH5	dynein, axonemal, heavy polypeptid e 5	-0.179669	Inlier
siRNA Disorazole DMSO Run3	NM_0013 69	DNAH5	dynein, axonemal, heavy polypeptid e 5	-0.042367	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0013 69	DNAH5	dynein, axonemal, heavy polypeptid e 5	0.042367	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0013 69	DNAH5	dynein, axonemal, heavy polypeptid e 5	0.453645	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0013 69	DNAH5	dynein, axonemal, heavy polypeptid e 5	1.492971	Inlier
siRNA Disorazole DMSO Run2	NM_0013 69	DNAH5	dynein, axonemal, heavy polypeptid e 5	1.509761	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0188 97	DNAH7	dynein, axonemal, heavy polypeptid e 7	-2.097929	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0188 97	DNAH7	dynein, axonemal, heavy polypeptid e 7	-1.584413	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0188 97	DNAH7	dynein, axonemal, heavy polypeptid e 7	-0.261324	Inlier
siRNA Disorazole DMSO Run1	NM_0188 97	DNAH7	dynein, axonemal, heavy polypeptid e 7	-0.114631	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0188 97	DNAH7	dynein, axonemal, heavy polypeptid e 7	0.114631	Inlier
siRNA Disorazole DMSO Run3	NM_0188 97	DNAH7	dynein, axonemal, heavy polypeptid e 7	0.367657	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0188 97	DNAH7	dynein, axonemal, heavy polypeptid e 7	0.981343	Inlier
siRNA Disorazole DMSO Run2	NM_0188 97	DNAH7	dynein, axonemal, heavy polypeptid e 7	0.982679	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0013 71	DNAH8	dynein, axonemal, heavy polypeptid e 8	-1.446903	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0013 71	DNAH8	dynein, axonemal, heavy polypeptid e 8	-1.062593	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0013 71	DNAH8	dynein, axonemal, heavy polypeptid e 8	-0.20263	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0013 71	DNAH8	dynein, axonemal, heavy polypeptid e 8	-0.20053	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0013 71	DNAH8	dynein, axonemal, heavy polypeptid e 8	0.200529	Inlier
siRNA Disorazole DMSO Run1	NM_0013 71	DNAH8	dynein, axonemal, heavy polypeptid e 8	0.286407	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0013 71	DNAH8	dynein, axonemal, heavy polypeptid e 8	1.721504	Inlier
siRNA Disorazole DMSO Run2	NM_0013 71	DNAH8	dynein, axonemal, heavy polypeptid e 8	1.802334	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0046 62	DNAH9	dynein, axonemal, heavy polypeptid e 9	-1.699535	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0046 62	DNAH9	dynein, axonemal, heavy polypeptid e 9	-1.208094	Inlier
siRNA Disorazole DMSO Run3	NM_0046 62	DNAH9	dynein, axonemal, heavy polypeptid e 9	-0.59058	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0046 62	DNAH9	dynein, axonemal, heavy polypeptid e 9	-0.062466	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0046 62	DNAH9	dynein, axonemal, heavy polypeptid e 9	0.062466	Inlier
siRNA Disorazole DMSO Run1	NM_0046 62	DNAH9	dynein, axonemal, heavy polypeptid e 9	0.281191	Inlier
siRNA Disorazole DMSO Run2	NM_0046 62	DNAH9	dynein, axonemal, heavy polypeptid e 9	0.75842	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0046 62	DNAH9	dynein, axonemal, heavy polypeptid e 9	0.998619	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0121 44	DNAI1	dynein, axonemal, intermedia te polypeptid e 1	-1.859959	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0121 44	DNAI1	dynein, axonemal, intermedia te polypeptid e 1	-1.220108	Inlier
siRNA Disorazole DMSO Run3	NM_0121 44	DNAI1	dynein, axonemal, intermedia te polypeptid e 1	-1.108529	Inlier
siRNA Disorazole DMSO Run1	NM_0121 44	DNAI1	dynein, axonemal, intermedia te polypeptid e 1	-0.061044	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0121 44	DNAI1	dynein, axonemal, intermedia te polypeptid e 1	0.061043	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0121 44	DNAI1	dynein, axonemal, intermedia te polypeptid e 1	0.324819	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0121 44	DNAI1	dynein, axonemal, intermedia te polypeptid e 1	0.568485	Inlier
siRNA Disorazole DMSO Run2	NM_0121 44	DNAI1	dynein, axonemal, intermedia te polypeptid e 1	0.780515	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0230 36	DNAI2	dynein, axonemal, intermedia te polypeptid e 2	-1.018202	Inlier
siRNA Disorazole DMSO Run3	NM_0230 36	DNAI2	dynein, axonemal, intermedia te polypeptid e 2	-0.69016	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0230 36	DNAI2	dynein, axonemal, intermedia te polypeptid e 2	-0.65884	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0230 36	DNAI2	dynein, axonemal, intermediate polypeptide 2	-0.251182	Inlier
siRNA Disorazole DMSO Run1	NM_0230 36	DNAI2	dynein, axonemal, intermediate polypeptide 2	0.251182	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0230 36	DNAI2	dynein, axonemal, intermediate polypeptide 2	0.348273	Inlier
siRNA Disorazole DMSO Run2	NM_0230 36	DNAI2	dynein, axonemal, intermediate polypeptide 2	0.749057	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0230 36	DNAI2	dynein, axonemal, intermediate polypeptide 2	1.336927	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0057 40	DNAL4	dynein, axonemal, light polypeptide 4	-1.127746	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0057 40	DNAL4	dynein, axonemal, light polypeptide 4	-1.063165	Inlier
siRNA Disorazole DMSO Run3	NM_0057 40	DNAL4	dynein, axonemal, light polypeptide 4	-0.496237	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0057 40	DNAL4	dynein, axonemal, light polypeptid e 4	-0.020508	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0057 40	DNAL4	dynein, axonemal, light polypeptid e 4	0.020508	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0057 40	DNAL4	dynein, axonemal, light polypeptid e 4	0.077966	Inlier
siRNA Disorazole DMSO Run2	NM_0057 40	DNAL4	dynein, axonemal, light polypeptid e 4	0.852763	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0057 40	DNAL4	dynein, axonemal, light polypeptid e 4	2.234467	Inlier
siRNA Disorazole DMSO Run3	NM_0034 62	DNALI1	intermedia te polypeptid e 1	-1.003323	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0034 62	DNALI1	intermedia te polypeptid e 1	-0.870437	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0034 62	DNALI1	intermedia te polypeptid e 1	-0.478563	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0034 62	DNALI1	dynein, axonemal, light intermedia te polypeptid e 1	-0.087623	Inlier
siRNA Disorazole DMSO Run1	NM_0034 62	DNALI1	dynein, axonemal, light intermedia te polypeptid e 1	0.087624	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0034 62	DNALI1	dynein, axonemal, light intermedia te polypeptid e 1	0.258303	Inlier
siRNA Disorazole DMSO Run2	NM_0034 62	DNALI1	dynein, axonemal, light intermedia te polypeptid e 1	3.051026	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0034 62	DNALI1	polypeptid e 1	3.93303	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0052 23	DNASE1	deoxyribon uclease I	-3.004815	Inlier
siRNA Disorazole DMSO Run1	NM_0052 23	DNASE1	deoxyribon uclease I	-0.65485	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0052 23	DNASE1	deoxyribon uclease I	-0.562666	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0052 23	DNASE1	deoxyribon uclease I	-0.03924	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0052 23	DNASE1	deoxyribon uclease I	0.03924	Inlier
siRNA Disorazole DMSO Run3	NM_0052 23	DNASE1	deoxyribon uclease I	0.69415	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0052 23	DNASE1	deoxyribon uclease I	1.03243	Inlier
siRNA Disorazole DMSO Run2	NM_0052 23	DNASE1	deoxyribon uclease I	1.263923	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	Gene ID	DNASE1L	deoxyribonuclease I-like	Value	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0067 30	1	like 1	-1.398418	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0067 30	1	like 1	-0.551254	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0067 30	1	like 1	-0.128948	Inlier
siRNA Disorazole DMSO Run3	NM_0067 30	1	like 1	-0.112821	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0067 30	1	like 1	0.112821	Inlier
siRNA Disorazole DMSO Run1	NM_0067 30	1	like 1	0.797746	Inlier
siRNA Disorazole DMSO Run2	NM_0067 30	1	like 1	1.237721	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0067 30	1	like 1	1.77766	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0013 74	2	like 2	-1.288379	Inlier
siRNA Disorazole DMSO Run1	NM_0013 74	2	like 2	-0.952505	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0013 74	2	like 2	-0.291783	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0013 74	2	like 2	-0.135621	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0013 74	2	like 2	0.135622	Inlier
siRNA Disorazole DMSO Run3	NM_0013 74	2	like 2	0.396495	Inlier
siRNA Disorazole DMSO Run2	NM_0013 74	2	like 2	1.335337	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0013 74	2	like 2	1.987026	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0049 44	3	like 3	-3.251419	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	Gene ID	Enzyme	Substrate	Log2 Fold Change	Category
siRNA-Temozolomide Run2-DMSO	NM_0049 44	DNASE1L 3	deoxyribonuclease I-like 3	-1.525491	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0049 44	DNASE1L 3	deoxyribonuclease I-like 3	-0.298553	Inlier
siRNA Disorazole DMSO Run1	NM_0049 44	DNASE1L 3	deoxyribonuclease I-like 3	-0.181108	Inlier
siRNA Disorazole DMSO Run3	NM_0049 44	DNASE1L 3	deoxyribonuclease I-like 3	0.181108	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0049 44	DNASE1L 3	deoxyribonuclease I-like 3	0.38551	Inlier
siRNA Disorazole DMSO Run2	NM_0049 44	DNASE1L 3	deoxyribonuclease I-like 3	0.96349	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0049 44	DNASE1L 3	deoxyribonuclease I-like 3	1.744274	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0013 75	DNASE2	deoxyribonuclease II, lysosomal	-2.124651	Inlier
siRNA Disorazole DMSO Run3	NM_0013 75	DNASE2	deoxyribonuclease II, lysosomal	-1.34841	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0013 75	DNASE2	deoxyribonuclease II, lysosomal	-1.228102	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0013 75	DNASE2	deoxyribonuclease II, lysosomal	-0.07826	Inlier
siRNA Disorazole DMSO Run1	NM_0013 75	DNASE2	deoxyribonuclease II, lysosomal	0.07826	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0013 75	DNASE2	deoxyribonuclease II, lysosomal	0.533909	Inlier
siRNA Disorazole DMSO Run2	NM_0013 75	DNASE2	deoxyribonuclease II, lysosomal	0.602932	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_001375	DNASE2	deoxyribonuclease II, lysosomal	0.746068	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001376	DNCH1	dynein, cytoplasmic, heavy polypeptide 1	-1.505211	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001376	DNCH1	dynein, cytoplasmic, heavy polypeptide 1	-0.840187	Inlier
siRNA Disorazole DMSO Run3	NM_001376	DNCH1	dynein, cytoplasmic, heavy polypeptide 1	-0.136459	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001376	DNCH1	dynein, cytoplasmic, heavy polypeptide 1	-0.133657	Inlier
siRNA Disorazole DMSO Run1	NM_001376	DNCH1	dynein, cytoplasmic, heavy polypeptide 1	0.133657	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001376	DNCH1	dynein, cytoplasmic, heavy polypeptide 1	0.508813	Inlier
siRNA Disorazole DMSO Run2	NM_001376	DNCH1	dynein, cytoplasmic, heavy polypeptide 1	1.379594	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001376	DNCH1	dynein, cytoplasmic, heavy polypeptide 1	2.191459	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0044 11	DNCI1	dynein, cytoplasmic, intermediate polypeptide 1	-3.700322 Outlier
siRNA-Vinblastine Run2-DMSO	NM_0044 11	DNCI1	dynein, cytoplasmic, intermediate polypeptide 1	-0.806511 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0044 11	DNCI1	dynein, cytoplasmic, intermediate polypeptide 1	-0.431792 Inlier
siRNA Disorazole DMSO Run1	NM_0044 11	DNCI1	dynein, cytoplasmic, intermediate polypeptide 1	-0.293306 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0044 11	DNCI1	dynein, cytoplasmic, intermediate polypeptide 1	0.293304 Inlier
siRNA Disorazole DMSO Run3	NM_0044 11	DNCI1	dynein, cytoplasmic, intermediate polypeptide 1	0.542489 Inlier
siRNA Disorazole DMSO Run2	NM_0044 11	DNCI1	dynein, cytoplasmic, intermediate polypeptide 1	1.489003 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_004411	DNCI1	dynein, cytoplasmic, intermediate polypeptide 1	2.413566	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001378	DNCI2	dynein, cytoplasmic, intermediate polypeptide 2	-0.835363	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001378	DNCI2	dynein, cytoplasmic, intermediate polypeptide 2	-0.712482	Inlier
siRNA Disorazole DMSO Run3	NM_001378	DNCI2	dynein, cytoplasmic, intermediate polypeptide 2	-0.543425	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001378	DNCI2	dynein, cytoplasmic, intermediate polypeptide 2	-0.099764	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001378	DNCI2	dynein, cytoplasmic, intermediate polypeptide 2	0.099764	Inlier
siRNA Disorazole DMSO Run1	NM_001378	DNCI2	dynein, cytoplasmic, intermediate polypeptide 2	0.636518	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0013 78	DNCL2	dynein, cytoplasmic, intermediate polypeptide 2	1.861905	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0013 78	DNCL2	dynein, cytoplasmic, intermediate polypeptide 2	2.560017	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0037 46	DNCL1	dynein, cytoplasmic, light polypeptide 1	-1.185241	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0037 46	DNCL1	dynein, cytoplasmic, light polypeptide 1	-1.14019	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0037 46	DNCL1	dynein, cytoplasmic, light polypeptide 1	-0.160613	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0037 46	DNCL1	dynein, cytoplasmic, light polypeptide 1	-0.003274	Inlier
siRNA Disorazole DMSO Run3	NM_0037 46	DNCL1	dynein, cytoplasmic, light polypeptide 1	0.003274	Inlier
siRNA Disorazole DMSO Run1	NM_0037 46	DNCL1	dynein, cytoplasmic, light polypeptide 1	0.20881	Inlier
siRNA Disorazole DMSO Run2	NM_0037 46	DNCL1	dynein, cytoplasmic, light polypeptide 1	1.170817	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0037 46	DNCL1	dynein, cytoplasmic, light polypeptide 1	1.213067	Inlier
siRNA Disorazole DMSO Run3	NM_1779 54	DNCL2A	dynein, cytoplasmic, light polypeptide 2A	-0.852493	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1779 54	DNCL2A	dynein, cytoplasmic, light polypeptide 2A	-0.675994	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1779 54	DNCL2A	dynein, cytoplasmic, light polypeptide 2A	-0.673006	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1779 54	DNCL2A	dynein, cytoplasmic, light polypeptide 2A	-0.066282	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1779 54	DNCL2A	dynein, cytoplasmic, light polypeptide 2A	0.066282	Inlier
siRNA Disorazole DMSO Run1	NM_1779 54	DNCL2A	dynein, cytoplasmic, light polypeptide 2A	0.162571	Inlier
siRNA Disorazole DMSO Run2	NM_1779 54	DNCL2A	dynein, cytoplasmic, light polypeptide 2A	0.856033	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1779 54	DNCL2A	dynein, cytoplasmic, light polypeptide 2A	0.981733	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1308 97	DNCL2B	dynein, cytoplasmic, light polypeptide 2B	-1.851201	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1308 97	DNCL2B	dynein, cytoplasmic, light polypeptide 2B	-0.402252	Inlier
siRNA Disorazole DMSO Run3	NM_1308 97	DNCL2B	dynein, cytoplasmic, light polypeptide 2B	-0.215944	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1308 97	DNCL2B	dynein, cytoplasmic, light polypeptide 2B	-0.134289	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1308 97	DNCL2B	dynein, cytoplasmic, light polypeptide 2B	0.134289	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1308 97	DNCL2B	dynein, cytoplasmic, light polypeptide 2B	0.946748	Inlier
siRNA Disorazole DMSO Run2	NM_1308 97	DNCL2B	dynein, cytoplasmic, light polypeptide 2B	2.032078	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1308 97	DNCL2B	dynein, cytoplasmic, light polypeptide 2B	2.208414	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0161 41	DNCLI1	intermediate polypeptide 1	-4.871188	Outlier
siRNA Disorazole DMSO Run3	NM_0161 41	DNCLI1	intermediate polypeptide 1	-0.714282	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_016141	DNCLI1	dynein, cytoplasmic, light intermediate polypeptide 1	-0.634718	Inlier
siRNA-Temozolomide Run3-DMSO	NM_016141	DNCLI1	dynein, cytoplasmic, light intermediate polypeptide 1	-0.421712	Inlier
siRNA Disorazole DMSO Run1	NM_016141	DNCLI1	dynein, cytoplasmic, light intermediate polypeptide 1	0.421712	Inlier
siRNA-Temozolomide Run1-DMSO	NM_016141	DNCLI1	dynein, cytoplasmic, light intermediate polypeptide 1	0.422458	Inlier
siRNA Disorazole DMSO Run2	NM_016141	DNCLI1	dynein, cytoplasmic, light intermediate polypeptide 1	2.917131	Inlier
siRNA-Vinblastine Run1-DMSO	NM_016141	DNCLI1	dynein, cytoplasmic, light intermediate polypeptide 1	6.706198	Outlier
siRNA-Temozolomide Run3-DMSO	NM_006141	DNCLI2	dynein, cytoplasmic, light intermediate polypeptide 2	-1.220815	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0061 41	DNCLI2	dynein, cytoplasmic, light intermediate polypeptide 2	-0.808357	Inlier
siRNA Disorazole DMSO Run3	NM_0061 41	DNCLI2	dynein, cytoplasmic, light intermediate polypeptide 2	-0.548702	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0061 41	DNCLI2	dynein, cytoplasmic, light intermediate polypeptide 2	-0.104552	Inlier
siRNA Disorazole DMSO Run1	NM_0061 41	DNCLI2	dynein, cytoplasmic, light intermediate polypeptide 2	0.104552	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0061 41	DNCLI2	dynein, cytoplasmic, light intermediate polypeptide 2	0.151425	Inlier
siRNA Disorazole DMSO Run2	NM_0061 41	DNCLI2	dynein, cytoplasmic, light intermediate polypeptide 2	0.800298	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0061 41	DNCLI2	dynein, cytoplasmic, light intermediate polypeptide 2	1.644266	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 05336	DNM1	dynamamin 1	-0.869672	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA-Temozolomide Run2- DMSO	NM_0010 05336	DNM1	dynamamin 1	-0.841607	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0010 05336	DNM1	dynamamin 1	-0.541116	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0010 05336	DNM1	dynamamin 1	-0.159076	Inlier
siRNA Disorazole DMSO Run1	NM_0010 05336	DNM1	dynamamin 1	0.159076	Inlier
siRNA Disorazole DMSO Run3	05336	DNM1	dynamamin 1	0.188287	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0010 05336	DNM1	dynamamin 1	0.807884	Inlier
siRNA Disorazole DMSO Run2	05336	DNM1	dynamamin 1	0.877917	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0120 62	DNM1L	dynamamin 1- like	-1.712719	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0120 62	DNM1L	dynamamin 1- like	-0.308746	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0120 62	DNM1L	dynamamin 1- like	-0.271385	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0120 62	DNM1L	dynamamin 1- like	-0.131077	Inlier
siRNA Disorazole DMSO Run3	NM_0120 62	DNM1L	dynamamin 1- like	0.131077	Inlier
siRNA Disorazole DMSO Run2	NM_0120 62	DNM1L	dynamamin 1- like	1.040254	Inlier
siRNA Disorazole DMSO Run1	62	DNM1L	dynamamin 1- like	1.048047	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0120 62	DNM1L	dynamamin 1- like	1.598915	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0049 45	DNM2	dynamamin 2	-2.366623	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0049 45	DNM2	dynamamin 2	-1.094897	Inlier
siRNA Disorazole DMSO Run1	NM_0049 45	DNM2	dynamamin 2	-0.254103	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0049 45	DNM2	dynamamin 2	-0.069339	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0049 45	DNM2	dynamamin 2	0.069339	Inlier
siRNA Disorazole DMSO Run3	NM_0049 45	DNM2	dynamamin 2	0.071292	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0049 45	DNM2	dynamamin 2	2.033443	Inlier
siRNA Disorazole DMSO Run2	NM_0049 45	DNM2	dynamamin 2	3.352513	Inlier
siRNA Disorazole DMSO Run1	NM_0013 79	DNMT1	DNA (cytosine-5-)- methyltran sferase 1	-0.852389	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_001379	DNMT1	DNA (cytosine-5-methyltransferase 1	-0.819888	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001379	DNMT1	DNA (cytosine-5-methyltransferase 1	-0.529112	Inlier
siRNA Disorazole DMSO Run3	NM_001379	DNMT1	DNA (cytosine-5-methyltransferase 1	-0.010889	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001379	DNMT1	DNA (cytosine-5-methyltransferase 1	0.010889	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001379	DNMT1	DNA (cytosine-5-methyltransferase 1	0.038496	Inlier
siRNA Disorazole DMSO Run2	NM_001379	DNMT1	DNA (cytosine-5-methyltransferase 1	0.940825	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001379	DNMT1	DNA (cytosine-5-methyltransferase 1	0.941235	Inlier
siRNA-Temozolomide Run1-DMSO	NM_176084	DNMT2	DNA (cytosine-5-methyltransferase 2	-0.954611	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1760 84	DNMT2	DNA (cytosine-5-)- methyltran sferase 2	-0.394389	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1760 84	DNMT2	DNA (cytosine-5-)- methyltran sferase 2	-0.328849	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1760 84	DNMT2	DNA (cytosine-5-)- methyltran sferase 2	-0.295843	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1760 84	DNMT2	DNA (cytosine-5-)- methyltran sferase 2	0.295844	Inlier
siRNA Disorazole DMSO Run3	NM_1760 84	DNMT2	DNA (cytosine-5-)- methyltran sferase 2	1.141536	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1760 84	DNMT2	DNA (cytosine-5-)- methyltran sferase 2	2.330821	Inlier
siRNA Disorazole DMSO Run2	NM_1760 84	DNMT2	DNA (cytosine-5-)- methyltran sferase 2	2.566071	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1756 29	DNMT3A	DNA (cytosine-5-)- methyltran sferase 3 alpha	-2.259958	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Drug	Run	Gene	Accession	Value	Category
siRNA Disorazole	DMSO	Run1	DNMT3A	NM_1756 29	-1.667485	Inlier
siRNA-Temozolomide	DMSO	Run2	DNMT3A	NM_1756 29	-0.768822	Inlier
siRNA-Vinblastine	DMSO	Run2	DNMT3A	NM_1756 29	-0.488225	Inlier
siRNA-Vinblastine	DMSO	Run1	DNMT3A	NM_1756 29	0.488224	Inlier
siRNA Disorazole	DMSO	Run3	DNMT3A	NM_1756 29	0.559606	Inlier
siRNA-Temozolomide	DMSO	Run3	DNMT3A	NM_1756 29	0.635289	Inlier
siRNA Disorazole	DMSO	Run2	DNMT3A	NM_1756 29	0.713711	Inlier
siRNA Disorazole	DMSO	Run1	DNMT3B	NM_1758 49	-0.999585	Inlier

DNA
(cytosine-5-
)-
methyltran
sferase 3

DNA
(cytosine-5-
)-
methyltran
sferase 3

DNA
(cytosine-5-
)-
methyltran
sferase 3

DNA
(cytosine-5-
)-
methyltran
sferase 3

DNA
(cytosine-5-
)-
methyltran
sferase 3

DNA
(cytosine-5-
)-
methyltran
sferase 3

DNA
(cytosine-5-
)-
methyltran
sferase 3

DNA
(cytosine-5-
)-
methyltran
sferase 3

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	beta	Inlier
siRNA-Temozolomide Run1-DMSO	NM_175849	DNMT3B	-0.890894	Inlier
siRNA-Vinblastine Run2-DMSO	NM_175849	DNMT3B	-0.458106	Inlier
siRNA-Temozolomide Run2-DMSO	NM_175849	DNMT3B	-0.276463	Inlier
siRNA-Temozolomide Run3-DMSO	NM_175849	DNMT3B	0.276462	Inlier
siRNA Disorazole DMSO Run3	NM_175849	DNMT3B	0.313136	Inlier
siRNA-Vinblastine Run1-DMSO	NM_175849	DNMT3B	1.345352	Inlier
siRNA Disorazole DMSO Run2	NM_175849	DNMT3B	2.112909	Inlier
siRNA-Temozolomide Run3-DMSO	NM_175867	DNMT3L	-2.382085	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Log Fold Change	Category
siRNA-Temozolomide Run1-DMSO	NM_175867	DNMT3L	-1.045132	Inlier
siRNA-Temozolomide Run2-DMSO	NM_175867	DNMT3L	-0.303868	Inlier
siRNA-Vinblastine Run2-DMSO	NM_175867	DNMT3L	-0.018629	Inlier
siRNA Disorazole DMSO Run3	NM_175867	DNMT3L	0.018629	Inlier
siRNA Disorazole DMSO Run1	NM_175867	DNMT3L	0.214861	Inlier
siRNA Disorazole DMSO Run2	NM_175867	DNMT3L	3.844941	Outlier
siRNA-Vinblastine Run1-DMSO	NM_175867	DNMT3L	4.959459	Outlier
siRNA-Temozolomide Run3-DMSO	NM_012100	DNPEP	-1.039266	Inlier
siRNA Disorazole DMSO Run2	NM_012100	DNPEP	-0.309734	Inlier
siRNA-Temozolomide Run2-DMSO	NM_012100	DNPEP	-0.240438	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0121 00	DNPEP	aspartyl aminopept idase	-0.178391	Inlier
siRNA Disorazole DMSO Run1	NM_0121 00	DNPEP	aspartyl aminopept idase	0.178391	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0121 00	DNPEP	aspartyl aminopept idase	1.160942	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0121 00	DNPEP	aspartyl aminopept idase	1.824644	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0121 00	DNPEP	aspartyl aminopept idase	2.791867	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0010 17520	DNTT	deoxynucl eotidyltran sferase, terminal	-1.459039	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0010 17520	DNTT	deoxynucl eotidyltran sferase, terminal	-0.69941	Inlier
siRNA Disorazole DMSO Run3	NM_0010 17520	DNTT	deoxynucl eotidyltran sferase, terminal	-0.504522	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0010 17520	DNTT	deoxynucl eotidyltran sferase, terminal	-0.090837	Inlier
siRNA Disorazole DMSO Run1	NM_0010 17520	DNTT	deoxynucl eotidyltran sferase, terminal	0.090837	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0010 17520	DNTT	deoxynucl eotidyltran sferase, terminal	0.64959	Inlier
siRNA Disorazole DMSO Run2	NM_0010 17520	DNTT	deoxynucl eotidyltran sferase, terminal	6.673549	Outlier
siRNA-Vinblastine Run1- DMSO	NM_0010 17520	DNTT	deoxynucl eotidyltran sferase, terminal	6.802028	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0529 51	DNTTIP1	deoxynucl eotidyltran sferase, terminal, interacting protein 1	-3.104805	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0529 51	DNTTIP1	deoxynucl eotidyltran sferase, terminal, interacting protein 1	-1.580307	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0529 51	DNTTIP1	deoxynucl eotidyltran sferase, terminal, interacting protein 1	-0.50426	Inlier
siRNA Disorazole DMSO Run1	NM_0529 51	DNTTIP1	deoxynucl eotidyltran sferase, terminal, interacting protein 1	-0.264108	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0529 51	DNTTIP1	deoxynucl eotidyltran sferase, terminal, interacting protein 1	0.264108	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0529 51	DNTTIP1	deoxynucl eotidyltran sferase, terminal, interacting protein 1	0.416074	Inlier
siRNA Disorazole DMSO Run3	NM_0529 51	DNTTIP1	deoxynucl eotidyltran sferase, terminal, interacting protein 1	0.84474	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0529 51	DNTTIP1	deoxynucleotidyltransferase, terminal, interacting protein 1	1.070293	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0210 71	DO	Dombrock blood group	-1.120906	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0210 71	DO	Dombrock blood group	-0.738871	Inlier
siRNA Disorazole DMSO Run2	NM_0210 71	DO	Dombrock blood group	-0.142902	Inlier
siRNA Disorazole DMSO Run1	NM_0210 71	DO	Dombrock blood group	-0.097747	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0210 71	DO	Dombrock blood group	0.097747	Inlier
siRNA Disorazole DMSO Run3	NM_0210 71	DO	Dombrock blood group	0.647201	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0210 71	DO	Dombrock blood group	0.701799	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0210 71	DO	Dombrock blood group docking protein 1, 62kDa (downstream of tyrosine kinase 1)	0.728313	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0013 81	DOK1	docking protein 1, 62kDa (downstream of tyrosine kinase 1)	-1.205485	Inlier
siRNA Disorazole DMSO Run2	NM_0013 81	DOK1	docking protein 1, 62kDa (downstream of tyrosine kinase 1)	-0.723439	Inlier
siRNA Disorazole DMSO Run3	NM_0013 81	DOK1	tyrosine kinase 1)	-0.625561	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_001381	DOK1	docking protein 1, 62kDa (downstream of tyrosine kinase 1)	-0.090752	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001381	DOK1	docking protein 1, 62kDa (downstream of tyrosine kinase 1)	0.090752	Inlier
siRNA Disorazole DMSO Run1	NM_001381	DOK1	docking protein 1, 62kDa (downstream of tyrosine kinase 1)	0.346902	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001381	DOK1	docking protein 1, 62kDa (downstream of tyrosine kinase 1)	0.794684	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001381	DOK1	docking protein 1, 62kDa (downstream of tyrosine kinase 1)	0.99014	Inlier
siRNA Disorazole DMSO Run2	NM_020438	DOLPP1	dolichyl pyrophosphate phosphatase 1	-2.47556	Inlier
siRNA-Temozolomide Run3-DMSO	NM_020438	DOLPP1	dolichyl pyrophosphate phosphatase 1	-1.334004	Inlier
siRNA-Temozolomide Run2-DMSO	NM_020438	DOLPP1	dolichyl pyrophosphate phosphatase 1	-0.223073	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0204 38	DOLPP1	dolichyl pyrophosp hate phosphata se 1	-0.022324	Inlier
siRNA Disorazole DMSO Run3	NM_0204 38	DOLPP1	dolichyl pyrophosp hate phosphata se 1	0.022324	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0204 38	DOLPP1	dolichyl pyrophosp hate phosphata se 1	0.478703	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0204 38	DOLPP1	dolichyl pyrophosp hate phosphata se 1	0.870297	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0204 38	DOLPP1	dolichyl pyrophosp hate phosphata se 1	2.506969	Inlier
siRNA Disorazole DMSO Run1	NM_0324 82	DOT1L	DOT1-like, histone H3 methyltran sferase (S. cerevisiae)	-1.089122	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0324 82	DOT1L	DOT1-like, histone H3 methyltran sferase (S. cerevisiae)	-0.938787	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0324 82	DOT1L	DOT1-like, histone H3 methyltran sferase (S. cerevisiae)	-0.749418	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_032482	DOT1L	DOT1-like, histone H3 methyltransferase (<i>S. cerevisiae</i>)	-0.059138	Inlier
siRNA-Temozolomide Run3-DMSO	NM_032482	DOT1L	DOT1-like, histone H3 methyltransferase (<i>S. cerevisiae</i>)	0.059138	Inlier
siRNA-Vinblastine Run1-DMSO	NM_032482	DOT1L	DOT1-like, histone H3 methyltransferase (<i>S. cerevisiae</i>)	0.384848	Inlier
siRNA Disorazole DMSO Run3	NM_032482	DOT1L	DOT1-like, histone H3 methyltransferase (<i>S. cerevisiae</i>)	0.599582	Inlier
siRNA Disorazole DMSO Run2	NM_032482	DOT1L	DOT1-like, histone H3 methyltransferase (<i>S. cerevisiae</i>)	0.975042	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_203316	DPAGT1	dolichyl-phosphate (UDP-N-acetylglucosamine) N-acetylglucosaminephosphotransferase 1 (GlcNAc-1-P transferase)	-1.450337	Inlier
siRNA-Temozolomide Run3-DMSO	NM_203316	DPAGT1	dolichyl-phosphate (UDP-N-acetylglucosamine) N-acetylglucosaminephosphotransferase 1 (GlcNAc-1-P transferase)	-1.106578	Inlier
siRNA-Temozolomide Run1-DMSO	NM_203316	DPAGT1	dolichyl-phosphate (UDP-N-acetylglucosamine) N-acetylglucosaminephosphotransferase 1 (GlcNAc-1-P transferase)	-0.889522	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_2033 16	DPAGT1	dolichyl- phosphate (UDP-N- acetylgluc osamine) N- acetylgluc osaminep hosphotra nsferase 1 (GlcNAc-1- P transferas e)	-0.087109	Inlier
siRNA-Vinblastine Run2- DMSO	NM_2033 16	DPAGT1	dolichyl- phosphate (UDP-N- acetylgluc osamine) N- acetylgluc osaminep hosphotra nsferase 1 (GlcNAc-1- P transferas e)	0.087109	Inlier
siRNA Disorazole DMSO Run3	NM_2033 16	DPAGT1	dolichyl- phosphate (UDP-N- acetylgluc osamine) N- acetylgluc osaminep hosphotra nsferase 1 (GlcNAc-1- P transferas e)	0.304904	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_2033 16	DPAGT1	dolichyl-phosphate (UDP-N-acetylglucosamine) N-acetylglucosamine phosphotransferase 1 (GlcNAc-1-P transferase)	0.617558	Inlier
siRNA Disorazole DMSO Run2	NM_2033 16	DPAGT1	dolichyl-phosphate (UDP-N-acetylglucosamine) N-acetylglucosamine phosphotransferase 1 (GlcNAc-1-P transferase)	0.731442	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0044 13	DPEP1	dipeptidase 1 (renal)	-1.636914	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0044 13	DPEP1	dipeptidase 1 (renal)	-1.204174	Inlier
siRNA Disorazole DMSO Run2	NM_0044 13	DPEP1	dipeptidase 1 (renal)	-0.700584	Inlier
siRNA Disorazole DMSO Run3	NM_0044 13	DPEP1	dipeptidase 1 (renal)	-0.143205	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0044 13	DPEP1	dipeptidase 1 (renal)	0.143205	Inlier
siRNA Disorazole DMSO Run1	NM_0044 13	DPEP1	dipeptidase 1 (renal)	0.216351	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0044 13	DPEP1	dipeptidase 1 (renal)	0.648416	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0044 13	DPEP1	dipeptidase 1 (renal)	0.858388	Inlier
siRNA Disorazole DMSO Run2	NM_0223 55	DPEP2	dipeptidase 2	-1.530194	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0223 55	DPEP2	dipeptidase 2	-0.762347	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0223 55	DPEP2	dipeptidase 2	-0.705156	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_0223		dipeptidas		
siRNA Disorazole DMSO Run1	55	DPEP2	e 2	-0.006948	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0223		dipeptidas		
	55	DPEP2	e 2	0.006948	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0223		dipeptidas		
	55	DPEP2	e 2	0.291045	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0223		dipeptidas		
	55	DPEP2	e 2	0.643844	Inlier
	NM_0223		dipeptidas		
siRNA Disorazole DMSO Run3	55	DPEP2	e 2	1.13635	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0223		dipeptidas		
	57	DPEP3	e 3	-1.403941	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0223		dipeptidas		
	57	DPEP3	e 3	-0.890239	Inlier
	NM_0223		dipeptidas		
siRNA Disorazole DMSO Run1	57	DPEP3	e 3	-0.388591	Inlier
	NM_0223		dipeptidas		
siRNA Disorazole DMSO Run2	57	DPEP3	e 3	-0.237717	Inlier
	NM_0223		dipeptidas		
siRNA Disorazole DMSO Run3	57	DPEP3	e 3	0.237717	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0223		dipeptidas		
	57	DPEP3	e 3	0.458761	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0223		dipeptidas		
	57	DPEP3	e 3	0.890531	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0223		dipeptidas		
	57	DPEP3	e 3	1.281852	Inlier
			dolichyl-phosphate mannosylt ransferase polypeptid e 1, catalytic subunit		
siRNA-Vinblastine Run2-DMSO	NM_0038				
	59	DPM1		-1.201724	Inlier
			dolichyl-phosphate mannosylt ransferase polypeptid e 1, catalytic subunit		
siRNA Disorazole DMSO Run1	NM_0038				
	59	DPM1		-0.775265	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_003859	DPM1	dolichyl-phosphate mannosyltransferase polypeptide 1, catalytic subunit	-0.388302	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003859	DPM1	dolichyl-phosphate mannosyltransferase polypeptide 1, catalytic subunit	-0.068056	Inlier
siRNA Disorazole DMSO Run3	NM_003859	DPM1	dolichyl-phosphate mannosyltransferase polypeptide 1, catalytic subunit	0.068055	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003859	DPM1	dolichyl-phosphate mannosyltransferase polypeptide 1, catalytic subunit	0.573735	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003859	DPM1	dolichyl-phosphate mannosyltransferase polypeptide 1, catalytic subunit	0.918387	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0038 59	DPM1	dolichyl- phosphate mannosylt ransferase polypeptid e 1, catalytic subunit	1.14075 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0038 63	DPM2	dolichyl- phosphate mannosylt ransferase polypeptid e 2, regulatory subunit	-1.465327 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0038 63	DPM2	dolichyl- phosphate mannosylt ransferase polypeptid e 2, regulatory subunit	-1.072411 Inlier
siRNA Disorazole DMSO Run1	NM_0038 63	DPM2	dolichyl- phosphate mannosylt ransferase polypeptid e 2, regulatory subunit	-1.03491 Inlier
siRNA Disorazole DMSO Run3	NM_0038 63	DPM2	dolichyl- phosphate mannosylt ransferase polypeptid e 2, regulatory subunit	-0.00322 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_003863	DPM2	dolichyl-phosphate mannosyltransferase polypeptide 2, regulatory subunit	0.00322	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003863	DPM2	dolichyl-phosphate mannosyltransferase polypeptide 2, regulatory subunit	0.076959	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003863	DPM2	dolichyl-phosphate mannosyltransferase polypeptide 2, regulatory subunit	0.50867	Inlier
siRNA Disorazole DMSO Run2	NM_003863	DPM2	dolichyl-phosphate mannosyltransferase polypeptide 2, regulatory subunit	0.84033	Inlier
siRNA Disorazole DMSO Run2	NM_020868	DPP10	dipeptidylpeptidase 10	-2.803479	Inlier
siRNA-Temozolomide Run3-DMSO	NM_020868	DPP10	dipeptidylpeptidase 10	-1.396056	Inlier
siRNA-Temozolomide Run2-DMSO	NM_020868	DPP10	dipeptidylpeptidase 10	-0.510055	Inlier
siRNA Disorazole DMSO Run1	NM_020868	DPP10	dipeptidylpeptidase 10	-0.383182	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology siRNA-Vinblastine Run1- DMSO	NM_0208 68	DPP10	dipeptidylp eptidase 10	0.383183	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0208 68	DPP10	dipeptidylp eptidase 10	0.487179	Inlier
siRNA Disorazole DMSO Run3	NM_0208 68	DPP10	dipeptidylp eptidase 10	0.838945	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0208 68	DPP10	dipeptidylp eptidase 10	1.726253	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1304 43	DPP3	dipeptidylp eptidase 3	-0.853515	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1304 43	DPP3	dipeptidylp eptidase 3	-0.704635	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1304 43	DPP3	dipeptidylp eptidase 3	-0.196296	Inlier
siRNA Disorazole DMSO Run1	NM_1304 43	DPP3	dipeptidylp eptidase 3	-0.022795	Inlier
siRNA Disorazole DMSO Run2	NM_1304 43	DPP3	dipeptidylp eptidase 3	0.022795	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1304 43	DPP3	dipeptidylp eptidase 3	0.657268	Inlier
siRNA Disorazole DMSO Run3	NM_1304 43	DPP3	dipeptidylp eptidase 3	0.691732	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1304 43	DPP3	dipeptidylp eptidase 3 dipeptidylp eptidase 4 (CD26, adenosine deaminas e complexin g protein 2)	0.733252	Inlier
siRNA Disorazole DMSO Run2	NM_0019 35	DPP4		-3.600937	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA	Run	Gene	Target	Log2FC	Category
Disorazole DMSO	Run1	NM_001935	DPP4	-2.46144	Inlier
siRNA-Temozolomide DMSO	Run2	NM_001935	DPP4	-0.103113	Inlier
siRNA-Temozolomide DMSO	Run3	NM_001935	DPP4	-0.057997	Inlier
siRNA-Temozolomide DMSO	Run1	NM_001935	DPP4	0.057997	Inlier
siRNA-Vinblastine DMSO	Run1	NM_001935	DPP4	0.170912	Inlier

dipeptidylpeptidase 4 (CD26, adenosine deaminase complexing protein 2)

-2.46144 Inlier
-0.103113 Inlier
-0.057997 Inlier
0.057997 Inlier
0.170912 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_001935	DPP4	dipeptidylpeptidase 4 (CD26, adenosine deaminase complexing protein 2)	1.178088	Inlier
siRNA Disorazole DMSO Run3	NM_001935	DPP4	dipeptidylpeptidase 4 (CD26, adenosine deaminase complexing protein 2)	3.310128	Inlier
siRNA Disorazole DMSO Run2	NM_130797	DPP6	dipeptidylpeptidase 6	-0.979207	Inlier
siRNA-Temozolomide Run3-DMSO	NM_130797	DPP6	dipeptidylpeptidase 6	-0.847486	Inlier
siRNA Disorazole DMSO Run1	NM_130797	DPP6	dipeptidylpeptidase 6	-0.523892	Inlier
siRNA-Temozolomide Run1-DMSO	NM_130797	DPP6	dipeptidylpeptidase 6	-0.05419	Inlier
siRNA-Temozolomide Run2-DMSO	NM_130797	DPP6	dipeptidylpeptidase 6	0.05419	Inlier
siRNA-Vinblastine Run1-DMSO	NM_130797	DPP6	dipeptidylpeptidase 6	0.441178	Inlier
siRNA Disorazole DMSO Run3	NM_130797	DPP6	dipeptidylpeptidase 6	0.825108	Inlier
siRNA-Vinblastine Run2-DMSO	NM_130797	DPP6	dipeptidylpeptidase 6	0.889991	Inlier
siRNA-Temozolomide Run3-DMSO	NM_013379	DPP7	dipeptidylpeptidase 7	-1.402302	Inlier
siRNA Disorazole DMSO Run3	NM_013379	DPP7	dipeptidylpeptidase 7	-0.825224	Inlier
siRNA Disorazole DMSO Run2	NM_013379	DPP7	dipeptidylpeptidase 7	-0.650438	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0133 79	DPP7	dipeptidylp eptidase 7	-0.356816	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0133 79	DPP7	dipeptidylp eptidase 7	0.356816	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0133 79	DPP7	dipeptidylp eptidase 7	0.49547	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0133 79	DPP7	dipeptidylp eptidase 7	0.698562	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0133 79	DPP7	dipeptidylp eptidase 7	1.388758	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1979 60	DPP8	dipeptidylp eptidase 8	-1.199918	Inlier
siRNA Disorazole DMSO Run2	NM_1979 60	DPP8	dipeptidylp eptidase 8	-0.977594	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1979 60	DPP8	dipeptidylp eptidase 8	-0.803056	Inlier
siRNA Disorazole DMSO Run1	NM_1979 60	DPP8	dipeptidylp eptidase 8	-0.476855	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1979 60	DPP8	dipeptidylp eptidase 8	0.476855	Inlier
siRNA Disorazole DMSO Run3	NM_1979 60	DPP8	dipeptidylp eptidase 8	0.491215	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1979 60	DPP8	dipeptidylp eptidase 8	0.545944	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1979 60	DPP8	dipeptidylp eptidase 8	1.284858	Inlier
siRNA Disorazole DMSO Run1	NM_1391 59	DPP9	dipeptidylp eptidase 9	-5.224855	Outlier
siRNA-Temozolomide Run1- DMSO	NM_1391 59	DPP9	dipeptidylp eptidase 9	-1.815137	Inlier
siRNA Disorazole DMSO Run3	NM_1391 59	DPP9	dipeptidylp eptidase 9	-0.24076	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1391 59	DPP9	dipeptidylp eptidase 9	-0.016331	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_1391 59	DPP9	dipeptidylp eptidase 9	0.016329	Inlier
siRNA Disorazole DMSO Run2	NM_1391 59	DPP9	dipeptidylp eptidase 9	0.564343	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1391 59	DPP9	dipeptidylp eptidase 9	0.784657	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1391 59	DPP9	dipeptidylp eptidase 9	0.800995	Inlier
siRNA Disorazole DMSO Run1	NM_0001 10	DPYD	dehydroge nase	-1.392806	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0001 10	DPYD	dehydroge nase	-0.827368	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0001 10	DPYD	dehydroge nase	-0.234287	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0001 10	DPYD	dehydroge nase	-0.214228	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0001 10	DPYD	dehydroge nase	0.214229	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0001 10	DPYD	dehydroge nase	0.521632	Inlier
siRNA Disorazole DMSO Run3	NM_0001 10	DPYD	dehydroge nase	2.186549	Inlier
siRNA Disorazole DMSO Run2	NM_0001 10	DPYD	dehydroge nase	2.587254	Inlier
siRNA Disorazole DMSO Run1	NM_0013 85	DPYS	dihydropyri midinase	-1.307862	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0013 85	DPYS	dihydropyri midinase	-0.761744	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0013 85	DPYS	dihydropyri midinase	-0.448103	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0013 85	DPYS	dihydropyri midinase	-0.186371	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Vinblastine Run2- DMSO	NM_0013 85	DPYS	dihydropyri midinase	0.186372	Inlier
siRNA Disorazole DMSO Run3	NM_0013 85	DPYS	dihydropyri midinase	0.587256	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0013 85	DPYS	dihydropyri midinase	0.80184	Inlier
siRNA Disorazole DMSO Run2	NM_0013 85	DPYS	dihydropyri midinase	1.534889	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0013 86	DPYSL2	midinase- like 2	-1.268796	Inlier
siRNA Disorazole DMSO Run3	NM_0013 86	DPYSL2	midinase- like 2	-0.813907	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0013 86	DPYSL2	midinase- like 2	-0.439537	Inlier
siRNA Disorazole DMSO Run1	NM_0013 86	DPYSL2	midinase- like 2	-0.354127	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0013 86	DPYSL2	midinase- like 2	0.354127	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0013 86	DPYSL2	midinase- like 2	0.535093	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0013 86	DPYSL2	midinase- like 2	0.993567	Inlier
siRNA Disorazole DMSO Run2	NM_0013 86	DPYSL2	midinase- like 2	1.728412	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0013 87	DPYSL3	midinase- like 3	-0.991082	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0013 87	DPYSL3	midinase- like 3	-0.644794	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0013 87	DPYSL3	midinase- like 3	-0.605722	Inlier
siRNA Disorazole DMSO Run3	NM_0013 87	DPYSL3	midinase- like 3	-0.169283	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0013 87	DPYSL3	midinase- like 3	0.169283	Inlier
siRNA Disorazole DMSO Run1	NM_0013 87	DPYSL3	midinase- like 3	0.704206	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology				dihydropyri midinase- like 3	
siRNA-Vinblastine Run1- DMSO	NM_0013 87	DPYSL3		3.041676	Inlier
siRNA Disorazole DMSO Run2	NM_0013 87	DPYSL3		4.173075	Outlier
siRNA-Temozolomide Run2- DMSO	NM_0064 26	DPYSL4		-1.106448	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0064 26	DPYSL4		-0.925029	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0064 26	DPYSL4		-0.423971	Inlier
siRNA Disorazole DMSO Run3	NM_0064 26	DPYSL4		-0.12753	Inlier
siRNA Disorazole DMSO Run1	NM_0064 26	DPYSL4		0.12753	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0064 26	DPYSL4		0.273988	Inlier
siRNA Disorazole DMSO Run2	NM_0064 26	DPYSL4		2.409932	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0064 26	DPYSL4		2.947252	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0201 34	DPYSL5		-0.718237	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0201 34	DPYSL5		-0.69476	Inlier
siRNA Disorazole DMSO Run1	NM_0201 34	DPYSL5		-0.65424	Inlier
siRNA Disorazole DMSO Run3	NM_0201 34	DPYSL5		-0.338102	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0201 34	DPYSL5		0.338102	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0201 34	DPYSL5		0.376544	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0201 34	DPYSL5		0.95528	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0201 34	DPYSL5	dihydropyridinase-like 5	1.585404	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0007 94	DRD1	dopamine receptor D1	-2.026156	Inlier
siRNA Disorazole DMSO Run2	NM_0007 94	DRD1	dopamine receptor D1	-0.883457	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0007 94	DRD1	dopamine receptor D1	-0.723665	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0007 94	DRD1	dopamine receptor D1	-0.126693	Inlier
siRNA Disorazole DMSO Run1	NM_0007 94	DRD1	dopamine receptor D1	0.126693	Inlier
siRNA Disorazole DMSO Run3	NM_0007 94	DRD1	dopamine receptor D1	0.220794	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0007 94	DRD1	dopamine receptor D1	0.625335	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0007 94	DRD1	dopamine receptor D1	0.753434	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0157 22	DRD1IP	dopamine receptor D1 interacting protein	-2.162678	Inlier
siRNA Disorazole DMSO Run1	NM_0157 22	DRD1IP	dopamine receptor D1 interacting protein	-0.686011	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0157 22	DRD1IP	dopamine receptor D1 interacting protein	-0.662989	Inlier
siRNA Disorazole DMSO Run3	NM_0157 22	DRD1IP	dopamine receptor D1 interacting protein	-0.013275	Inlier
siRNA Disorazole DMSO Run2	NM_0157 22	DRD1IP	dopamine receptor D1 interacting protein	0.013275	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			dopamine receptor D1	
siRNA-Temozolomide Run1-DMSO	NM_015722	DRD1IP	interacting protein dopamine receptor D1	0.550002 Inlier
siRNA-Vinblastine Run1-DMSO	NM_015722	DRD1IP	interacting protein dopamine receptor D1	1.314039 Inlier
siRNA-Vinblastine Run2-DMSO	NM_015722	DRD1IP	interacting protein dopamine receptor D1	1.361338 Inlier
siRNA-Temozolomide Run3-DMSO	NM_016574	DRD2	dopamine receptor D2	-3.76412 Outlier
siRNA-Temozolomide Run2-DMSO	NM_016574	DRD2	dopamine receptor D2	-0.806659 Inlier
siRNA-Temozolomide Run1-DMSO	NM_016574	DRD2	dopamine receptor D2	-0.670883 Inlier
siRNA Disorazole DMSO Run1	NM_016574	DRD2	dopamine receptor D2	-0.048943 Inlier
siRNA-Vinblastine Run2-DMSO	NM_016574	DRD2	dopamine receptor D2	0.048944 Inlier
siRNA-Vinblastine Run1-DMSO	NM_016574	DRD2	dopamine receptor D2	0.091588 Inlier
siRNA Disorazole DMSO Run3	NM_016574	DRD2	dopamine receptor D2	0.678117 Inlier
siRNA Disorazole DMSO Run2	NM_016574	DRD2	dopamine receptor D2	0.805465 Inlier
siRNA-Temozolomide Run3-DMSO	NM_033663	DRD3	dopamine receptor D3	-1.270367 Inlier
siRNA Disorazole DMSO Run2	NM_033663	DRD3	dopamine receptor D3	-0.761306 Inlier
siRNA-Temozolomide Run2-DMSO	NM_033663	DRD3	dopamine receptor D3	-0.097559 Inlier
siRNA Disorazole DMSO Run3	NM_033663	DRD3	dopamine receptor D3	-0.077221 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0336 63	DRD3	dopamine receptor D3	0.077221	Inlier
siRNA Disorazole DMSO Run1	NM_0336 63	DRD3	dopamine receptor D3	0.587694	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0336 63	DRD3	dopamine receptor D3	0.792211	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0336 63	DRD3	dopamine receptor D3	0.809277	Inlier
siRNA Disorazole DMSO Run2	NM_0007 97	DRD4	dopamine receptor D4	-2.266847	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0007 97	DRD4	dopamine receptor D4	-1.127829	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0007 97	DRD4	dopamine receptor D4	-0.14966	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0007 97	DRD4	dopamine receptor D4	-0.064589	Inlier
siRNA Disorazole DMSO Run3	NM_0007 97	DRD4	dopamine receptor D4	0.064589	Inlier
siRNA Disorazole DMSO Run1	NM_0007 97	DRD4	dopamine receptor D4	0.541316	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0007 97	DRD4	dopamine receptor D4	0.807684	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0007 97	DRD4	dopamine receptor D4	0.910028	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0007 98	DRD5	dopamine receptor D5	-2.028667	Inlier
siRNA Disorazole DMSO Run2	NM_0007 98	DRD5	dopamine receptor D5	-0.686895	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0007 98	DRD5	dopamine receptor D5	-0.567923	Inlier
siRNA Disorazole DMSO Run1	NM_0007 98	DRD5	dopamine receptor D5	-0.086068	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0007 98	DRD5	dopamine receptor D5	0.086068	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology siRNA-Vinblastine Run1- DMSO	NM_0007 98	DRD5	dopamine receptor D5	0.662105	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0007 98	DRD5	dopamine receptor D5	0.940664	Inlier
siRNA Disorazole DMSO Run3	NM_0007 98	DRD5	dopamine receptor D5	1.47975	Inlier
siRNA Disorazole DMSO Run2	NM_0121 45	DTYMK	deoxythym idylate kinase (thymidylat e kinase)	-3.173949	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0121 45	DTYMK	deoxythym idylate kinase (thymidylat e kinase)	-1.121094	Inlier
siRNA Disorazole DMSO Run3	NM_0121 45	DTYMK	deoxythym idylate kinase (thymidylat e kinase)	-0.530689	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0121 45	DTYMK	deoxythym idylate kinase (thymidylat e kinase)	-0.185357	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0121 45	DTYMK	deoxythym idylate kinase (thymidylat e kinase)	0.185358	Inlier
siRNA Disorazole DMSO Run1	NM_0121 45	DTYMK	deoxythym idylate kinase (thymidylat e kinase)	0.194211	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0121 45	DTYMK	deoxythym idylate kinase (thymidylat e kinase)	0.818311	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0121 45	DTYMK	deoxythymidylate kinase (thymidylate kinase)	0.883997	Inlier
siRNA Disorazole DMSO Run3	NM_0174 34	DUOX1	dual oxidase 1	-0.889183	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0174 34	DUOX1	dual oxidase 1	-0.459817	Inlier
siRNA Disorazole DMSO Run1	NM_0174 34	DUOX1	dual oxidase 1	-0.452492	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0174 34	DUOX1	dual oxidase 1	-0.059711	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0174 34	DUOX1	dual oxidase 1	0.059711	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0174 34	DUOX1	dual oxidase 1	1.977068	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0174 34	DUOX1	dual oxidase 1	5.336203	Outlier
siRNA Disorazole DMSO Run2	NM_0174 34	DUOX1	dual oxidase 1	5.626225	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0140 80	DUOX2	dual oxidase 2	-1.038391	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0140 80	DUOX2	dual oxidase 2	-0.816402	Inlier
siRNA Disorazole DMSO Run1	NM_0140 80	DUOX2	dual oxidase 2	-0.532598	Inlier
siRNA Disorazole DMSO Run3	NM_0140 80	DUOX2	dual oxidase 2	-0.132861	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0140 80	DUOX2	dual oxidase 2	0.132861	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0140 80	DUOX2	dual oxidase 2	0.467951	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0140 80	DUOX2	dual oxidase 2	2.378768	Inlier
siRNA Disorazole DMSO Run2	NM_0140 80	DUOX2	dual oxidase 2	2.750317	Inlier
siRNA Disorazole DMSO Run1	NM_0044 17	DUSP1	specificity phosphatase 1	-0.712536	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0044 17	DUSP1	specificity phosphatase 1	-0.636464	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0044 17	DUSP1	specificity phosphatase 1	-0.528306	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Gene ID	Gene Symbol	Gene Description	Value	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_0044	17	DUSP1	dual specificity phosphatase 1	-0.301536	Inlier
siRNA Disorazole DMSO Run2	NM_0044	17	DUSP1	dual specificity phosphatase 1	0.301536	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0044	17	DUSP1	dual specificity phosphatase 1	2.678884	Inlier
siRNA Disorazole DMSO Run3	NM_0044	17	DUSP1	dual specificity phosphatase 1	3.039466	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0044	17	DUSP1	dual specificity phosphatase 1	3.378573	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1447	29	DUSP10	dual specificity phosphatase 10	-1.418765	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1447	29	DUSP10	dual specificity phosphatase 10	-1.369678	Inlier
siRNA Disorazole DMSO Run2	NM_1447	29	DUSP10	dual specificity phosphatase 10	-1.246149	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1447	29	DUSP10	dual specificity phosphatase 10	-0.065287	Inlier
siRNA Disorazole DMSO Run1	NM_1447	29	DUSP10	dual specificity phosphatase 10	0.065287	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1447	29	DUSP10	dual specificity phosphatase 10	0.611777	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1447	29	DUSP10	dual specificity phosphatase 10	0.631175	Inlier
siRNA Disorazole DMSO Run3	NM_1447	29	DUSP10	dual specificity phosphatase 10	0.717825	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0035 84	DUSP11	dual specificity phosphata se 11 (RNA/RNP complex 1- interacting)	-0.820865 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0035 84	DUSP11	dual specificity phosphata se 11 (RNA/RNP complex 1- interacting)	-0.709216 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0035 84	DUSP11	dual specificity phosphata se 11 (RNA/RNP complex 1- interacting)	-0.686138 Inlier
siRNA Disorazole DMSO Run3	NM_0035 84	DUSP11	dual specificity phosphata se 11 (RNA/RNP complex 1- interacting)	-0.243699 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0035 84	DUSP11	dual specificity phosphata se 11 (RNA/RNP complex 1- interacting)	0.243699 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0035 84	DUSP11	dual specificity phosphata se 11 (RNA/RNP complex 1- interacting)	0.383016	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0035 84	DUSP11	dual specificity phosphata se 11 (RNA/RNP complex 1- interacting)	0.662862	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0035 84	DUSP11	dual specificity phosphata se 11 (RNA/RNP complex 1- interacting)	1.539355	Inlier
siRNA Disorazole DMSO Run2	NM_0072 40	DUSP12	dual specificity phosphata se 12	-1.12316	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0072 40	DUSP12	dual specificity phosphata se 12	-0.991418	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0072 40	DUSP12	dual specificity phosphata se 12	-0.818612	Inlier
siRNA Disorazole DMSO Run1	NM_0072 40	DUSP12	dual specificity phosphata se 12	-0.005377	Inlier
siRNA Disorazole DMSO Run3	NM_0072 40	DUSP12	dual specificity phosphata se 12	0.005377	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0072 40	DUSP12	dual specificity phosphatase 12	0.19103	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0072 40	DUSP12	dual specificity phosphatase 12	0.530388	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0072 40	DUSP12	dual specificity phosphatase 12	0.947237	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 07271	DUSP13	dual specificity phosphatase 13	-0.918723	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 07271	DUSP13	dual specificity phosphatase 13	-0.697407	Inlier
siRNA Disorazole DMSO Run2	NM_0010 07271	DUSP13	dual specificity phosphatase 13	-0.651593	Inlier
siRNA Disorazole DMSO Run3	NM_0010 07271	DUSP13	dual specificity phosphatase 13	-0.102649	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 07271	DUSP13	dual specificity phosphatase 13	0.102649	Inlier
siRNA Disorazole DMSO Run1	NM_0010 07271	DUSP13	dual specificity phosphatase 13	0.601217	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 07271	DUSP13	dual specificity phosphatase 13	1.123804	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 07271	DUSP13	dual specificity phosphatase 13	1.219848	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0070 26	DUSP14	dual specificity phosphatase 14	-2.381478	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0070 26	DUSP14	dual specificity phosphatase 14	-2.300915	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0070 26	DUSP14	dual specificity phosphatase 14	-0.386847	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0070 26	DUSP14	dual specificity phosphatase 14	-0.320619	Inlier
siRNA Disorazole DMSO Run2	NM_0070 26	DUSP14	dual specificity phosphatase 14	0.320619	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0070 26	DUSP14	dual specificity phosphatase 14	0.413725	Inlier
siRNA Disorazole DMSO Run1	NM_0070 26	DUSP14	dual specificity phosphatase 14	0.935275	Inlier
siRNA Disorazole DMSO Run3	NM_0070 26	DUSP14	dual specificity phosphatase 14	3.321236	Inlier
siRNA Disorazole DMSO Run2	NM_1779 91	DUSP15	dual specificity phosphatase-like 15	-3.453624	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1779 91	DUSP15	dual specificity phosphatase-like 15	-0.701867	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1779 91	DUSP15	dual specificity phosphatase-like 15	-0.068758	Inlier
siRNA Disorazole DMSO Run1	NM_1779 91	DUSP15	dual specificity phosphatase-like 15	-0.06208	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1779 91	DUSP15	dual specificity phosphatase-like 15	0.06208	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_1779 91	DUSP15	dual specificity phosphata se-like 15	0.647133	Inlier
siRNA Disorazole DMSO Run3	NM_1779 91	DUSP15	dual specificity phosphata se-like 15	1.119385	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1779 91	DUSP15	dual specificity phosphata se-like 15	1.443983	Inlier
siRNA Disorazole DMSO Run2	NM_0306 40	DUSP16	dual specificity phosphata se 16	-0.721389	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0306 40	DUSP16	dual specificity phosphata se 16	-0.702653	Inlier
siRNA Disorazole DMSO Run3	NM_0306 40	DUSP16	dual specificity phosphata se 16	-0.601132	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0306 40	DUSP16	dual specificity phosphata se 16	-0.379482	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0306 40	DUSP16	dual specificity phosphata se 16	0.379482	Inlier
siRNA Disorazole DMSO Run1	NM_0306 40	DUSP16	dual specificity phosphata se 16	0.646347	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0306 40	DUSP16	dual specificity phosphata se 16	1.272579	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0306 40	DUSP16	dual specificity phosphata se 16	1.439222	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1525 11	DUSP18	dual specificity phosphata se 18	-1.160649	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Gene ID	Gene	Gene	Value	Outlier
siRNA-Temozolomide Run3-DMSO	NM_1525	11	DUSP18	dual specificity phosphatase 18	-0.850312	Inlier
siRNA Disorazole DMSO Run2	NM_1525	11	DUSP18	dual specificity phosphatase 18	-0.498688	Inlier
siRNA Disorazole DMSO Run3	NM_1525	11	DUSP18	dual specificity phosphatase 18	-0.039489	Inlier
siRNA Disorazole DMSO Run1	NM_1525	11	DUSP18	dual specificity phosphatase 18	0.039489	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1525	11	DUSP18	dual specificity phosphatase 18	0.115596	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1525	11	DUSP18	dual specificity phosphatase 18	1.009898	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1525	11	DUSP18	dual specificity phosphatase 18	1.642566	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0808	76	DUSP19	dual specificity phosphatase 19	-1.548331	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0808	76	DUSP19	dual specificity phosphatase 19	-1.214626	Inlier
siRNA Disorazole DMSO Run3	NM_0808	76	DUSP19	dual specificity phosphatase 19	-0.183498	Inlier
siRNA Disorazole DMSO Run2	NM_0808	76	DUSP19	dual specificity phosphatase 19	-0.053805	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0808	76	DUSP19	dual specificity phosphatase 19	0.053805	Inlier
siRNA Disorazole DMSO Run1	NM_0808	76	DUSP19	dual specificity phosphatase 19	0.492893	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Specificity	Value	Outlier Status
siRNA-Vinblastine Run1-DMSO	NM_080876	DUSP19	dual specificity phosphatase 19	0.856107	Inlier
siRNA-Vinblastine Run2-DMSO	NM_080876	DUSP19	dual specificity phosphatase 19	1.306454	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004418	DUSP2	dual specificity phosphatase 2	-1.088444	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004418	DUSP2	dual specificity phosphatase 2	-0.965944	Inlier
siRNA Disorazole DMSO Run2	NM_004418	DUSP2	dual specificity phosphatase 2	-0.383056	Inlier
siRNA Disorazole DMSO Run1	NM_004418	DUSP2	dual specificity phosphatase 2	-0.172101	Inlier
siRNA Disorazole DMSO Run3	NM_004418	DUSP2	dual specificity phosphatase 2	0.172101	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004418	DUSP2	dual specificity phosphatase 2	0.355232	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004418	DUSP2	dual specificity phosphatase 2	1.209986	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004418	DUSP2	dual specificity phosphatase 2	2.293073	Inlier
siRNA-Temozolomide Run2-DMSO	NM_022076	DUSP21	dual specificity phosphatase 21	-1.297943	Inlier
siRNA Disorazole DMSO Run1	NM_022076	DUSP21	dual specificity phosphatase 21	-0.901309	Inlier
siRNA Disorazole DMSO Run2	NM_022076	DUSP21	dual specificity phosphatase 21	-0.447691	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Specificity	Value	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_022076	DUSP21	dual specificity phosphatase 21	-0.262223	Inlier
siRNA-Temozolomide Run1-DMSO	NM_022076	DUSP21	dual specificity phosphatase 21	0.262223	Inlier
siRNA-Vinblastine Run1-DMSO	NM_022076	DUSP21	dual specificity phosphatase 21	0.314114	Inlier
siRNA Disorazole DMSO Run3	NM_022076	DUSP21	dual specificity phosphatase 21	1.098422	Inlier
siRNA-Vinblastine Run2-DMSO	NM_022076	DUSP21	dual specificity phosphatase 21	1.210384	Inlier
siRNA-Temozolomide Run2-DMSO	NM_020185	DUSP22	dual specificity phosphatase 22	-0.700833	Inlier
siRNA-Temozolomide Run3-DMSO	NM_020185	DUSP22	dual specificity phosphatase 22	-0.648167	Inlier
siRNA-Temozolomide Run1-DMSO	NM_020185	DUSP22	dual specificity phosphatase 22	-0.425885	Inlier
siRNA Disorazole DMSO Run2	NM_020185	DUSP22	dual specificity phosphatase 22	-0.016684	Inlier
siRNA Disorazole DMSO Run1	NM_020185	DUSP22	dual specificity phosphatase 22	0.016683	Inlier
siRNA-Vinblastine Run2-DMSO	NM_020185	DUSP22	dual specificity phosphatase 22	0.701032	Inlier
siRNA-Vinblastine Run1-DMSO	NM_020185	DUSP22	dual specificity phosphatase 22	0.724475	Inlier
siRNA Disorazole DMSO Run3	NM_020185	DUSP22	dual specificity phosphatase 22	1.187297	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Gene ID	Gene Name	Log Fold Change	Outlier Type
siRNA-Temozolomide Run3-DMSO	NM_0178	23	DUSP23	-2.840789	Inlier
siRNA Disorazole DMSO Run2	NM_0178	23	DUSP23	-2.301543	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0178	23	DUSP23	-2.00432	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0178	23	DUSP23	-0.079069	Inlier
siRNA Disorazole DMSO Run1	NM_0178	23	DUSP23	0.079068	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0178	23	DUSP23	0.085813	Inlier
siRNA Disorazole DMSO Run3	NM_0178	23	DUSP23	0.550406	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0178	23	DUSP23	0.798594	Inlier
siRNA Disorazole DMSO Run2	NM_0040	90	DUSP3	-2.801086	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0040	90	DUSP3	-1.765038	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Log Fold Change	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_004090	DUSP3	-0.711988	Inlier
siRNA Disorazole DMSO Run1	NM_004090	DUSP3	-0.024117	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004090	DUSP3	0.024117	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004090	DUSP3	0.539385	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004090	DUSP3	0.637012	Inlier

dual
specificity
phosphata
se 3
(vaccinia
virus
phosphata
se VH1-
related)
dual
specificity
phosphata
se 3
(vaccinia
virus
phosphata
se VH1-
related)
dual
specificity
phosphata
se 3
(vaccinia
virus
phosphata
se VH1-
related)
dual
specificity
phosphata
se 3
(vaccinia
virus
phosphata
se VH1-
related)

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Log Fold Change	Outlier Type
siRNA Disorazole DMSO Run3	NM_0040	DUSP3	1.975437	Inlier
siRNA Disorazole DMSO Run2	NM_0013	DUSP4	-1.443768	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0013	DUSP4	-0.787601	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0013	DUSP4	-0.185232	Inlier
siRNA Disorazole DMSO Run3	NM_0013	DUSP4	-0.007275	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0013	DUSP4	0.007275	Inlier
siRNA Disorazole DMSO Run1	NM_0013	DUSP4	0.649603	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0013	DUSP4	0.699397	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0013	DUSP4	1.040217	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0044	DUSP5	-0.983439	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0044	DUSP5	-0.790418	Inlier

dual
 specificity
 phosphata
 se 3
 (vaccinia
 virus
 phosphata
 se VH1-
 related)
 dual
 specificity
 phosphata
 se 4
 dual
 specificity
 phosphata
 se 4
 dual
 specificity
 phosphata
 se 4
 dual
 specificity
 phosphata
 se 4
 dual
 specificity
 phosphata
 se 4
 dual
 specificity
 phosphata
 se 4
 dual
 specificity
 phosphata
 se 4
 dual
 specificity
 phosphata
 se 4
 dual
 specificity
 phosphata
 se 4
 dual
 specificity
 phosphata
 se 5
 dual
 specificity
 phosphata
 se 5

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Gene ID	Gene	Specificity	Value	Outlier
siRNA Disorazole DMSO Run3	NM_0044	19	DUSP5	dual specificity phosphatase 5	-0.558582	Inlier
siRNA Disorazole DMSO Run1	NM_0044	19	DUSP5	dual specificity phosphatase 5	-0.089892	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0044	19	DUSP5	dual specificity phosphatase 5	0.089892	Inlier
siRNA Disorazole DMSO Run2	NM_0044	19	DUSP5	dual specificity phosphatase 5	0.215636	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0044	19	DUSP5	dual specificity phosphatase 5	0.817464	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0044	19	DUSP5	dual specificity phosphatase 5	1.00408	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0226	52	DUSP6	dual specificity phosphatase 6	-1.159975	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0226	52	DUSP6	dual specificity phosphatase 6	-0.880169	Inlier
siRNA Disorazole DMSO Run1	NM_0226	52	DUSP6	dual specificity phosphatase 6	-0.195825	Inlier
siRNA Disorazole DMSO Run2	NM_0226	52	DUSP6	dual specificity phosphatase 6	-0.15524	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0226	52	DUSP6	dual specificity phosphatase 6	0.155241	Inlier
siRNA Disorazole DMSO Run3	NM_0226	52	DUSP6	dual specificity phosphatase 6	0.468831	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0226	52	DUSP6	dual specificity phosphatase 6	1.455607	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_022652	DUSP6	dual specificity phosphatase 6	3.216844	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001947	DUSP7	dual specificity phosphatase 7	-1.162268	Inlier
siRNA Disorazole DMSO Run2	NM_001947	DUSP7	dual specificity phosphatase 7	-1.116343	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001947	DUSP7	dual specificity phosphatase 7	-0.958751	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001947	DUSP7	dual specificity phosphatase 7	-0.035222	Inlier
siRNA Disorazole DMSO Run1	NM_001947	DUSP7	dual specificity phosphatase 7	0.035222	Inlier
siRNA Disorazole DMSO Run3	NM_001947	DUSP7	dual specificity phosphatase 7	0.068759	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001947	DUSP7	dual specificity phosphatase 7	0.390249	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001947	DUSP7	dual specificity phosphatase 7	1.739205	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004420	DUSP8	dual specificity phosphatase 8	-1.450476	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004420	DUSP8	dual specificity phosphatase 8	-1.31441	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004420	DUSP8	dual specificity phosphatase 8	-0.21173	Inlier
siRNA Disorazole DMSO Run1	NM_004420	DUSP8	dual specificity phosphatase 8	-0.016142	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0044 20	DUSP8	dual specificity phosphata se 8	0.016142	Inlier
siRNA Disorazole DMSO Run3	NM_0044 20	DUSP8	dual specificity phosphata se 8	0.289081	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0044 20	DUSP8	dual specificity phosphata se 8	1.059919	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0044 20	DUSP8	dual specificity phosphata se 8	3.109	Inlier
siRNA Disorazole DMSO Run2	NM_0013 95	DUSP9	dual specificity phosphata se 9	-4.171087	Outlier
siRNA-Temozolomide Run3- DMSO	NM_0013 95	DUSP9	dual specificity phosphata se 9	-2.74051	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0013 95	DUSP9	dual specificity phosphata se 9	-0.797886	Inlier
siRNA Disorazole DMSO Run3	NM_0013 95	DUSP9	dual specificity phosphata se 9	-0.170533	Inlier
siRNA Disorazole DMSO Run1	NM_0013 95	DUSP9	dual specificity phosphata se 9	0.170532	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0013 95	DUSP9	dual specificity phosphata se 9	0.50779	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0013 95	DUSP9	dual specificity phosphata se 9	0.551114	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0013 95	DUSP9	dual specificity phosphata se 9	1.497377	Inlier
siRNA Disorazole DMSO Run2	NM_0019 48	DUT	dUTP pyrophosp hatase	-1.568577	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology					
siRNA-Temozolomide Run2-DMSO	NM_0019 48	DUT	dUTP pyrophosphatase	-0.747032	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0019 48	DUT	dUTP pyrophosphatase	-0.710085	Inlier
siRNA Disorazole DMSO Run3	NM_0019 48	DUT	dUTP pyrophosphatase	-0.378348	Inlier
siRNA Disorazole DMSO Run1	NM_0019 48	DUT	dUTP pyrophosphatase	0.378347	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0019 48	DUT	dUTP pyrophosphatase	0.551188	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0019 48	DUT	dUTP pyrophosphatase	0.638915	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0019 48	DUT	dUTP pyrophosphatase	1.014808	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0013 96	DYRK1A	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1A	-0.815471	Inlier
siRNA Disorazole DMSO Run2	NM_0013 96	DYRK1A	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1A	-0.533529	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0013 96	DYRK1A	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1A	-0.533295	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Regulation	Score	Category
siRNA Disorazole DMSO Run3	NM_001396	DYRK1A	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1A	-0.119758	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001396	DYRK1A	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1A	0.119758	Inlier
siRNA Disorazole DMSO Run1	NM_001396	DYRK1A	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1A	2.384837	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001396	DYRK1A	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1A	4.970982	Outlier
siRNA-Vinblastine Run2-DMSO	NM_001396	DYRK1A	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1A	7.453012	Outlier
siRNA-Temozolomide Run3-DMSO	NM_006484	DYRK1B	regulated kinase 1B	-0.920063	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_006484	DYRK1B	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1B	-0.8163	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006484	DYRK1B	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1B	-0.400017	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006484	DYRK1B	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1B	-0.367607	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006484	DYRK1B	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1B	0.367607	Inlier
siRNA Disorazole DMSO Run1	NM_006484	DYRK1B	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1B	0.5327	Inlier
siRNA Disorazole DMSO Run3	NM_006484	DYRK1B	regulated kinase 1B	0.852831	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Condition	Run	Gene	Protein	Score	Inlier
siRNA Disorazole	DMSO	Run2	NM_0064 84	DYRK1B	1.526177	Inlier
				regulated kinase 1B		
				dual- specificity tyrosine- (Y)- phosphoryl ation		
siRNA-Temozolomide	Run3- DMSO	NM_0035 83	DYRK2	regulated kinase 2	-1.482949	Inlier
				dual- specificity tyrosine- (Y)- phosphoryl ation		
siRNA-Temozolomide	Run2- DMSO	NM_0035 83	DYRK2	regulated kinase 2	-0.857752	Inlier
				dual- specificity tyrosine- (Y)- phosphoryl ation		
siRNA-Temozolomide	Run1- DMSO	NM_0035 83	DYRK2	regulated kinase 2	-0.214133	Inlier
				dual- specificity tyrosine- (Y)- phosphoryl ation		
siRNA Disorazole	DMSO	Run3	NM_0035 83	DYRK2	-0.128551	Inlier
				regulated kinase 2		
				dual- specificity tyrosine- (Y)- phosphoryl ation		
siRNA Disorazole	DMSO	Run1	NM_0035 83	DYRK2	0.128551	Inlier
				regulated kinase 2		

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0035 83	DYRK2	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 2	0.564251	Inlier
siRNA Disorazole DMSO Run2	NM_0035 83	DYRK2	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 2	0.784749	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0035 83	DYRK2	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 2	1.956145	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0035 82	DYRK3	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 3	-0.832737	Inlier
siRNA Disorazole DMSO Run2	NM_0035 82	DYRK3	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 3	-0.781453	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0035 82	DYRK3	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 3	-0.375769	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_003582	DYRK3	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 3	-0.054537	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003582	DYRK3	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 3	0.054537	Inlier
siRNA Disorazole DMSO Run1	NM_003582	DYRK3	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 3	0.600534	Inlier
siRNA Disorazole DMSO Run3	NM_003582	DYRK3	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 3	0.748466	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003582	DYRK3	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 3	1.884553	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003845	DYRK4	regulated kinase 4	-3.38092	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Regulation	Score	Outlier Status
siRNA-Temozolomide Run1-DMSO	NM_003845	DYRK4	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 4	-2.413704	Inlier
siRNA Disorazole DMSO Run3	NM_003845	DYRK4	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 4	-0.437291	Inlier
siRNA Disorazole DMSO Run2	NM_003845	DYRK4	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 4	-0.06699	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003845	DYRK4	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 4	0.066992	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003845	DYRK4	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 4	0.315969	Inlier
siRNA Disorazole DMSO Run1	NM_003845	DYRK4	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 4	0.911709	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_003845	DYRK4	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 4	4.609971	Outlier
siRNA-Temozolomide Run3-DMSO	NM_000113	DYT1	torsin family 1, member A (torsin A)	-1.182307	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000113	DYT1	torsin family 1, member A (torsin A)	-0.863081	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000113	DYT1	torsin family 1, member A (torsin A)	-0.225157	Inlier
siRNA Disorazole DMSO Run1	NM_000113	DYT1	torsin family 1, member A (torsin A)	-0.068283	Inlier
siRNA Disorazole DMSO Run3	NM_000113	DYT1	torsin family 1, member A (torsin A)	0.068283	Inlier
siRNA Disorazole DMSO Run2	NM_000113	DYT1	torsin family 1, member A (torsin A)	0.485919	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000113	DYT1	torsin family 1, member A (torsin A)	1.919927	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000113	DYT1	torsin family 1, member A (torsin A)	2.926161	Inlier
siRNA-Temozolomide Run2-DMSO	NM_022066	E2-230K	E2-230K	-0.80986	Inlier
siRNA-Vinblastine Run2-DMSO	NM_022066	E2-230K	E2-230K	-0.764505	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA Treatment	Gene ID	Cell Line	Condition	Log Fold Change	Outlier Status
siRNA-Temozolomide Run3- DMSO	NM_0220	E2-230K	E2-230K	-0.669522	Inlier
siRNA Disorazole DMSO Run3	NM_0220	E2-230K	E2-230K	-0.27705	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0220	E2-230K	E2-230K	0.27705	Inlier
siRNA Disorazole DMSO Run2	NM_0220	E2-230K	E2-230K	0.468213	Inlier
siRNA Disorazole DMSO Run1	NM_0220	E2-230K	E2-230K	0.679478	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0220	E2-230K	E2-230K	2.073989	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0049	EBI2	Epstein-Barr virus induced gene 2 (lymphocyte-specific G protein-coupled receptor)	-1.448995	Inlier
siRNA Disorazole DMSO Run2	NM_0049	EBI2	Epstein-Barr virus induced gene 2 (lymphocyte-specific G protein-coupled receptor)	-1.0875	Inlier
siRNA Disorazole DMSO Run3	NM_0049	EBI2	Epstein-Barr virus induced gene 2 (lymphocyte-specific G protein-coupled receptor)	-0.713338	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0049	EBI2	Epstein-Barr virus induced gene 2 (lymphocyte-specific G protein-coupled receptor)	-0.044533	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0049 51	EBI2	Epstein-Barr virus induced gene 2 (lymphocyte-specific G protein-coupled receptor)	0.044533	Inlier
siRNA Disorazole DMSO Run1	NM_0049 51	EBI2	Epstein-Barr virus induced gene 2 (lymphocyte-specific G protein-coupled receptor)	0.074089	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0049 51	EBI2	Epstein-Barr virus induced gene 2 (lymphocyte-specific G protein-coupled receptor)	0.635662	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0049 51	EBI2	Epstein-Barr virus induced gene 2 (lymphocyte-specific G protein-coupled receptor)	0.791576	Inlier
siRNA Disorazole DMSO Run3	NM_0065 79	EBP	emopamil binding protein (sterol isomerase)	-1.410081	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0065 79	EBP	emopamil binding protein (sterol isomerase)	-0.875791	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0065 79	EBP	emopamil binding protein (sterol isomerase)	-0.473209	Inlier
siRNA Disorazole DMSO Run1	NM_0065 79	EBP	emopamil binding protein (sterol isomerase)	-0.000346	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0065 79	EBP	emopamil binding protein (sterol isomerase)	0.000346	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0065 79	EBP	emopamil binding protein (sterol isomerase)	0.322449	Inlier
siRNA Disorazole DMSO Run2	NM_0065 79	EBP	emopamil binding protein (sterol isomerase)	1.025179	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0065 79	EBP	emopamil binding protein (sterol isomerase)	1.873013	Inlier
siRNA Disorazole DMSO Run3	NM_0325 65	EBPL	emopamil binding protein- like	-3.646539	Outlier
siRNA-Vinblastine Run2-DMSO	NM_0325 65	EBPL	emopamil binding protein- like	-2.544304	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0325 65	EBPL	emopamil binding protein- like	-0.941581	Inlier
siRNA Disorazole DMSO Run1	NM_0325 65	EBPL	emopamil binding protein- like	-0.104295	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0325 65	EBPL	emopamil binding protein- like	0.104294	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0325 65	EBPL	emopamil binding protein- like	0.264317	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0325 65	EBPL	emopamil binding protein- like	0.407419	Inlier
siRNA Disorazole DMSO Run2	NM_0325 65	EBPL	emopamil binding protein- like	1.601897	Inlier
siRNA Disorazole DMSO Run1	NM_0013 97	ECE1	endothelin converting enzyme 1	-1.206971	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0013 97	ECE1	endothelin converting enzyme 1	-0.66052	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0013 97	ECE1	endothelin converting enzyme 1	-0.475704	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0013 97	ECE1	endothelin converting enzyme 1	-0.108707	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0013 97	ECE1	endothelin converting enzyme 1	0.108707	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0013 97	ECE1	endothelin converting enzyme 1	0.68848	Inlier
siRNA Disorazole DMSO Run3	NM_0013 97	ECE1	endothelin converting enzyme 1	1.468415	Inlier
siRNA Disorazole DMSO Run2	NM_0013 97	ECE1	endothelin converting enzyme 1	1.651752	Inlier
siRNA Disorazole DMSO Run1	NM_0146 93	ECE2	endothelin converting enzyme 2	-1.432309	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0146 93	ECE2	endothelin converting enzyme 2	-0.871407	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0146 93	ECE2	endothelin converting enzyme 2	-0.293201	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0146 93	ECE2	endothelin converting enzyme 2	-0.154427	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology siRNA-Vinblastine Run2- DMSO	NM_0146 93	ECE2	endothelin converting enzyme 2	0.154427	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0146 93	ECE2	endothelin converting enzyme 2	0.477593	Inlier
siRNA Disorazole DMSO Run2	NM_0146 93	ECE2	endothelin converting enzyme 2	1.056187	Inlier
siRNA Disorazole DMSO Run3	NM_0146 93	ECE2	endothelin converting enzyme 2	1.304077	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0048 26	ECEL1	endothelin converting enzyme- like 1	-2.229031	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0048 26	ECEL1	endothelin converting enzyme- like 1	-2.067021	Inlier
siRNA Disorazole DMSO Run1	NM_0048 26	ECEL1	endothelin converting enzyme- like 1	-0.558931	Inlier
siRNA Disorazole DMSO Run3	NM_0048 26	ECEL1	endothelin converting enzyme- like 1	-0.008342	Inlier
siRNA Disorazole DMSO Run2	NM_0048 26	ECEL1	endothelin converting enzyme- like 1	0.008341	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0048 26	ECEL1	endothelin converting enzyme- like 1	0.098661	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0048 26	ECEL1	endothelin converting enzyme- like 1	0.790069	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0048 26	ECEL1	endothelin converting enzyme- like 1	0.945963	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0019 53	ECGF1	endothelial cell growth factor 1 (platelet- derived)	-2.497037	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0019 53	ECGF1	endothelial cell growth factor 1 (platelet-derived)	-0.935193	Inlier
siRNA Disorazole DMSO Run1	NM_0019 53	ECGF1	endothelial cell growth factor 1 (platelet-derived)	-0.732652	Inlier
siRNA Disorazole DMSO Run3	NM_0019 53	ECGF1	endothelial cell growth factor 1 (platelet-derived)	-0.056966	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0019 53	ECGF1	endothelial cell growth factor 1 (platelet-derived)	0.056966	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0019 53	ECGF1	endothelial cell growth factor 1 (platelet-derived)	0.218507	Inlier
siRNA Disorazole DMSO Run2	NM_0019 53	ECGF1	endothelial cell growth factor 1 (platelet-derived)	0.616348	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0019 53	ECGF1	endothelial cell growth factor 1 (platelet-derived)	1.880652	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0013 98	ECH1	enoyl Coenzyme A hydratase 1, peroxisomal	-1.377381	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0013 98	ECH1	enoyl Coenzyme A hydratase 1, peroxisom al	-1.193564	Inlier
siRNA Disorazole DMSO Run3	NM_0013 98	ECH1	enoyl Coenzyme A hydratase 1, peroxisom al	-0.124562	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0013 98	ECH1	enoyl Coenzyme A hydratase 1, peroxisom al	-0.069218	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0013 98	ECH1	enoyl Coenzyme A hydratase 1, peroxisom al	0.069218	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0013 98	ECH1	enoyl Coenzyme A hydratase 1, peroxisom al	0.155436	Inlier
siRNA Disorazole DMSO Run2	NM_0013 98	ECH1	enoyl Coenzyme A hydratase 1, peroxisom al	1.828773	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0013 98	ECH1	enoyl Coenzyme A hydratase 1, peroxisom al	3.634607	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_004092	ECHS1	enoyl Coenzyme A hydratase, short chain, 1, mitochondrial	-1.050934	Inlier
siRNA Disorazole DMSO Run1	NM_004092	ECHS1	enoyl Coenzyme A hydratase, short chain, 1, mitochondrial	-0.81677	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004092	ECHS1	enoyl Coenzyme A hydratase, short chain, 1, mitochondrial	-0.53223	Inlier
siRNA Disorazole DMSO Run3	NM_004092	ECHS1	enoyl Coenzyme A hydratase, short chain, 1, mitochondrial	-0.159535	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004092	ECHS1	enoyl Coenzyme A hydratase, short chain, 1, mitochondrial	0.159537	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004092	ECHS1	enoyl Coenzyme A hydratase, short chain, 1, mitochondrial	0.324172	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0040 92	ECHS1	enoyl Coenzyme A hydratase, short chain, 1, mitochond rial	0.860179	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0040 92	ECHS1	enoyl Coenzyme A hydratase, short chain, 1, mitochond rial	0.959103	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0180 98	ECT2	epithelial cell transformi ng sequence 2 oncogene epithelial cell transformi ng sequence 2	-1.383659	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0180 98	ECT2	epithelial cell transformi ng sequence 2 oncogene epithelial cell transformi ng sequence 2	-0.745823	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0180 98	ECT2	epithelial cell transformi ng sequence 2 oncogene epithelial cell transformi ng sequence 2	-0.603177	Inlier
siRNA Disorazole DMSO Run3	NM_0180 98	ECT2	epithelial cell transformi ng sequence 2 oncogene epithelial cell transformi ng sequence 2	-0.35382	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0180 98	ECT2	epithelial cell transformi ng sequence 2 oncogene	0.35382	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Log Fold Change	Category
siRNA Disorazole DMSO Run1	NM_0180 98	ECT2	0.444571	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0180 98	ECT2	0.764607	Inlier
siRNA Disorazole DMSO Run2	NM_0180 98	ECT2	1.174075	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0217 83	EDA2R	-1.08218	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0217 83	EDA2R	-0.729654	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0217 83	EDA2R	-0.619346	Inlier
siRNA Disorazole DMSO Run3	NM_0217 83	EDA2R	-0.084222	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0217 83	EDA2R	0.084222	Inlier
siRNA Disorazole DMSO Run1	NM_0217 83	EDA2R	0.10999	Inlier
siRNA Disorazole DMSO Run2	NM_0217 83	EDA2R	1.000409	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0217 83	EDA2R	1.288634	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0223 36	EDAR	-1.891441	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0223 36	EDAR	-0.747238	Inlier

epithelial
cell
transformi
ng
sequence
2

oncogene
epithelial
cell
transformi
ng
sequence
2

oncogene
epithelial
cell
transformi
ng
sequence
2

oncogene
ectodyspla
sin A2

receptor
ectodyspla
sin A2

receptor
ectodyspla
sin A2

receptor
ectodyspla
sin A2

receptor
ectodyspla
sin A2

receptor
ectodyspla
sin A2

receptor
ectodyspla
sin A2

receptor
ectodyspla
sin A2

receptor
ectodyspla
sin A2

receptor
ectodyspla
sin A

receptor
ectodyspla
sin A

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Condition	Gene ID	Count	Method	Gene Name	Log Fold Change	Outlier Status
Molecular Pharmacology siRNA-Temozolomide Run2- DMSO	NM_0223	36	EDAR	ectodysplasia receptor	-0.601762	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0223	36	EDAR	ectodysplasia receptor	-0.070834	Inlier
siRNA Disorazole DMSO Run3	NM_0223	36	EDAR	ectodysplasia receptor	0.070835	Inlier
siRNA Disorazole DMSO Run1	NM_0223	36	EDAR	ectodysplasia receptor	0.589973	Inlier
siRNA Disorazole DMSO Run2	NM_0223	36	EDAR	ectodysplasia receptor	1.835875	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0223	36	EDAR	ectodysplasia receptor	2.656565	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0014	00	EDG1	endothelial differentiation, sphingolipid G-protein-coupled receptor, 1	-2.112289	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0014	00	EDG1	endothelial differentiation, sphingolipid G-protein-coupled receptor, 1	-0.708022	Inlier
siRNA Disorazole DMSO Run2	NM_0014	00	EDG1	endothelial differentiation, sphingolipid G-protein-coupled receptor, 1	-0.640978	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_001400	EDG1	endothelial differentiation, sphingolipid G-protein-coupled receptor, 1	-0.432668	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001400	EDG1	endothelial differentiation, sphingolipid G-protein-coupled receptor, 1	0.432668	Inlier
siRNA Disorazole DMSO Run1	NM_001400	EDG1	endothelial differentiation, sphingolipid G-protein-coupled receptor, 1	0.574261	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001400	EDG1	endothelial differentiation, sphingolipid G-protein-coupled receptor, 1	0.876579	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001400	EDG1	endothelial differentiation, sphingolipid G-protein-coupled receptor, 1	0.941806	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_001401	EDG2	endothelial differentiation, lysophosphatidic acid G-protein-coupled receptor, 2	-1.023686	Inlier
siRNA Disorazole DMSO Run2	NM_001401	EDG2	endothelial differentiation, lysophosphatidic acid G-protein-coupled receptor, 2	-0.983284	Inlier
siRNA Disorazole DMSO Run3	NM_001401	EDG2	endothelial differentiation, lysophosphatidic acid G-protein-coupled receptor, 2	-0.795241	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001401	EDG2	endothelial differentiation, lysophosphatidic acid G-protein-coupled receptor, 2	-0.14439	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_001401	EDG2	endothelial differentiation, lysophosphatidic acid G-protein-coupled receptor, 2	0.14439	Inlier
siRNA Disorazole DMSO Run1	NM_001401	EDG2	endothelial differentiation, lysophosphatidic acid G-protein-coupled receptor, 2	0.372485	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001401	EDG2	endothelial differentiation, lysophosphatidic acid G-protein-coupled receptor, 2	0.663444	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001401	EDG2	endothelial differentiation, lysophosphatidic acid G-protein-coupled receptor, 2	0.685556	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_005226	EDG3	endothelial differentiation, sphingolipid G-protein-coupled receptor, 3	-1.009703	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005226	EDG3	endothelial differentiation, sphingolipid G-protein-coupled receptor, 3	-0.684643	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005226	EDG3	endothelial differentiation, sphingolipid G-protein-coupled receptor, 3	-0.67418	Inlier
siRNA Disorazole DMSO Run2	NM_005226	EDG3	endothelial differentiation, sphingolipid G-protein-coupled receptor, 3	-0.103574	Inlier
siRNA Disorazole DMSO Run1	NM_005226	EDG3	endothelial differentiation, sphingolipid G-protein-coupled receptor, 3	0.103574	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0052 26	EDG3	endothelial differentiat ion, sphingolipi d G- protein- coupled receptor, 3	0.187888	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0052 26	EDG3	endothelial differentiat ion, sphingolipi d G- protein- coupled receptor, 3	0.67482	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0052 26	EDG3	endothelial differentiat ion, sphingolipi d G- protein- coupled receptor, 3	0.948642	Inlier
siRNA Disorazole DMSO Run2	NM_0047 20	EDG4	endothelial differentiat ion, lysospho phatidic acid G- protein- coupled receptor, 4	-2.110489	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0047 20	EDG4	endothelial differentiat ion, lysospho phatidic acid G- protein- coupled receptor, 4	-1.459377	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0047 20	EDG4	endothelial differentiat ion, lysospho sp hatidic acid G- protein- coupled receptor, 4	-1.028566	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0047 20	EDG4	endothelial differentiat ion, lysospho sp hatidic acid G- protein- coupled receptor, 4	-0.355983	Inlier
siRNA Disorazole DMSO Run3	NM_0047 20	EDG4	endothelial differentiat ion, lysospho sp hatidic acid G- protein- coupled receptor, 4	0.355982	Inlier
siRNA Disorazole DMSO Run1	NM_0047 20	EDG4	endothelial differentiat ion, lysospho sp hatidic acid G- protein- coupled receptor, 4	0.415261	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0047 20	EDG4	endothelial differentiat ion, lysospho phatidic acid G- protein- coupled receptor, 4	0.536461	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0047 20	EDG4	endothelial differentiat ion, lysospho phatidic acid G- protein- coupled receptor, 4	0.812539	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0042 30	EDG5	endothelial differentiat ion, sphingolipi d G- protein- coupled receptor, 5	-2.202189	Inlier
siRNA Disorazole DMSO Run2	NM_0042 30	EDG5	endothelial differentiat ion, sphingolipi d G- protein- coupled receptor, 5	-1.111348	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0042 30	EDG5	endothelial differentiat ion, sphingolipi d G- protein- coupled receptor, 5	-0.444751	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0042 30	EDG5	endothelial differentiat ion, sphingolipi d G- protein- coupled receptor, 5	-0.241732	Inlier
siRNA Disorazole DMSO Run3	NM_0042 30	EDG5	endothelial differentiat ion, sphingolipi d G- protein- coupled receptor, 5	0.241731	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0042 30	EDG5	endothelial differentiat ion, sphingolipi d G- protein- coupled receptor, 5	0.562853	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0042 30	EDG5	endothelial differentiat ion, sphingolipi d G- protein- coupled receptor, 5	0.786147	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0042 30	EDG5	endothelial differentiat ion, sphingolipi d G- protein- coupled receptor, 5	1.043367	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0037 75	EDG6	endothelial differentiat ion, G- protein- coupled receptor 6	-0.896678	Inlier
siRNA Disorazole DMSO Run2	NM_0037 75	EDG6	endothelial differentiat ion, G- protein- coupled receptor 6	-0.589778	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0037 75	EDG6	endothelial differentiat ion, G- protein- coupled receptor 6	-0.286946	Inlier
siRNA Disorazole DMSO Run3	NM_0037 75	EDG6	endothelial differentiat ion, G- protein- coupled receptor 6	-0.078015	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0037 75	EDG6	endothelial differentiat ion, G- protein- coupled receptor 6	0.078015	Inlier
siRNA Disorazole DMSO Run1	NM_0037 75	EDG6	endothelial differentiat ion, G- protein- coupled receptor 6	0.759222	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0037 75	EDG6	endothelial differentiat ion, G- protein- coupled receptor 6	1.021747	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_003775	EDG6	endothelial differentiation, G-protein-coupled receptor 6	1.021912	Inlier
siRNA-Temozolomide Run3-DMSO	NM_012152	EDG7	endothelial differentiation, lysophosphatidic acid G-protein-coupled receptor, 7	-1.953677	Inlier
siRNA Disorazole DMSO Run2	NM_012152	EDG7	endothelial differentiation, lysophosphatidic acid G-protein-coupled receptor, 7	-1.82498	Inlier
siRNA Disorazole DMSO Run3	NM_012152	EDG7	endothelial differentiation, lysophosphatidic acid G-protein-coupled receptor, 7	-0.914494	Inlier
siRNA-Temozolomide Run2-DMSO	NM_012152	EDG7	endothelial differentiation, lysophosphatidic acid G-protein-coupled receptor, 7	-0.19841	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0121 52	EDG7	endothelial differentiat ion, lysosphosp hatidic acid G- protein- coupled receptor, 7	0.198409	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0121 52	EDG7	endothelial differentiat ion, lysosphosp hatidic acid G- protein- coupled receptor, 7	0.424775	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0121 52	EDG7	endothelial differentiat ion, lysosphosp hatidic acid G- protein- coupled receptor, 7	0.648256	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0121 52	EDG7	endothelial differentiat ion, lysosphosp hatidic acid G- protein- coupled receptor, 7	0.700744	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_030760	EDG8	endothelial differentiation, sphingolipid G-protein-coupled receptor, 8	-1.227726	Inlier
siRNA-Temozolomide Run2-DMSO	NM_030760	EDG8	endothelial differentiation, sphingolipid G-protein-coupled receptor, 8	-0.219493	Inlier
siRNA Disorazole DMSO Run3	NM_030760	EDG8	endothelial differentiation, sphingolipid G-protein-coupled receptor, 8	-0.080611	Inlier
siRNA Disorazole DMSO Run2	NM_030760	EDG8	endothelial differentiation, sphingolipid G-protein-coupled receptor, 8	-0.01498	Inlier
siRNA-Temozolomide Run1-DMSO	NM_030760	EDG8	endothelial differentiation, sphingolipid G-protein-coupled receptor, 8	0.01498	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0307 60	EDG8	endothelial differentiat ion, sphingolipi d G- protein- coupled receptor, 8	1.129507	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0307 60	EDG8	endothelial differentiat ion, sphingolipi d G- protein- coupled receptor, 8	1.755582	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0307 60	EDG8	endothelial differentiat ion, sphingolipi d G- protein- coupled receptor, 8	2.262941	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0019 57	EDNRA	endothelin receptor type A	-2.177286	Inlier
siRNA Disorazole DMSO Run2	NM_0019 57	EDNRA	endothelin receptor type A	-1.091929	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0019 57	EDNRA	endothelin receptor type A	-0.657306	Inlier
siRNA Disorazole DMSO Run3	NM_0019 57	EDNRA	endothelin receptor type A	-0.032148	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0019 57	EDNRA	endothelin receptor type A	0.032148	Inlier
siRNA Disorazole DMSO Run1	NM_0019 57	EDNRA	endothelin receptor type A	0.426714	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0019 57	EDNRA	endothelin receptor type A	0.691694	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Condition	Gene ID	Gene Symbol	Gene Name	Value	Category
Molecular Pharmacology siRNA-Vinblastine Run2- DMSO	NM_0019 57	EDNRA	endothelin receptor type A	1.037839	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0039 91	EDNRB	endothelin receptor type B	-1.086504	Inlier
siRNA Disorazole DMSO Run2	NM_0039 91	EDNRB	endothelin receptor type B	-1.005485	Inlier
siRNA Disorazole DMSO Run3	NM_0039 91	EDNRB	endothelin receptor type B	-0.601109	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0039 91	EDNRB	endothelin receptor type B	-0.205049	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0039 91	EDNRB	endothelin receptor type B	0.205049	Inlier
siRNA Disorazole DMSO Run1	NM_0039 91	EDNRB	endothelin receptor type B	0.392494	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0039 91	EDNRB	endothelin receptor type B	0.747891	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0039 91	EDNRB	endothelin receptor type B	0.800271	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0133 02	EEF2K	eukaryotic elongation factor-2 kinase	-1.231143	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0133 02	EEF2K	eukaryotic elongation factor-2 kinase	-0.688527	Inlier
siRNA Disorazole DMSO Run2	NM_0133 02	EEF2K	eukaryotic elongation factor-2 kinase	-0.628505	Inlier
siRNA Disorazole DMSO Run3	NM_0133 02	EEF2K	eukaryotic elongation factor-2 kinase	-0.179431	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0133 02	EEF2K	eukaryotic elongation factor-2 kinase	0.179431	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0133 02	EEF2K	eukaryotic elongation factor-2 kinase	0.660473	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0133 02	EEF2K	eukaryotic elongation factor-2 kinase	1.887625	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0133 02	EEF2K	eukaryotic elongation factor-2 kinase	2.109352	Inlier
siRNA Disorazole DMSO Run2	NM_2012 84	EGFR	epidermal growth factor receptor (erythrobla stic leukemia viral (v-erb- b) oncogene homolog, avian)	-2.955765	Inlier
siRNA-Temozolomide Run1- DMSO	NM_2012 84	EGFR	epidermal growth factor receptor (erythrobla stic leukemia viral (v-erb- b) oncogene homolog, avian)	-0.886309	Inlier
siRNA-Temozolomide Run3- DMSO	NM_2012 84	EGFR	epidermal growth factor receptor (erythrobla stic leukemia viral (v-erb- b) oncogene homolog, avian)	-0.462691	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_2012 84	EGFR	epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian)	-0.07986	Inlier
siRNA Disorazole DMSO Run3	NM_2012 84	EGFR	epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian)	0.07986	Inlier
siRNA-Vinblastine Run1-DMSO	NM_2012 84	EGFR	epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian)	0.210419	Inlier
siRNA Disorazole DMSO Run1	NM_2012 84	EGFR	epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian)	1.194517	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Gene	Log Fold Change	Outlier
siRNA-Vinblastine Run2-DMSO	EGFR	NM_201284	epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian)	1.678019	Inlier
siRNA-Temozolomide Run3-DMSO	EGLN1	NM_022051	egl nine homolog 1 (C. elegans)	-2.852208	Inlier
siRNA-Temozolomide Run2-DMSO	EGLN1	NM_022051	egl nine homolog 1 (C. elegans)	-2.823658	Inlier
siRNA Disorazole DMSO Run1	EGLN1	NM_022051	egl nine homolog 1 (C. elegans)	-0.116715	Inlier
siRNA Disorazole DMSO Run3	EGLN1	NM_022051	egl nine homolog 1 (C. elegans)	-0.02798	Inlier
siRNA-Vinblastine Run2-DMSO	EGLN1	NM_022051	egl nine homolog 1 (C. elegans)	0.027979	Inlier
siRNA-Temozolomide Run1-DMSO	EGLN1	NM_022051	egl nine homolog 1 (C. elegans)	0.079491	Inlier
siRNA Disorazole DMSO Run2	EGLN1	NM_022051	egl nine homolog 1 (C. elegans)	1.232285	Inlier
siRNA-Vinblastine Run1-DMSO	EGLN1	NM_022051	egl nine homolog 1 (C. elegans)	1.233651	Inlier
siRNA-Temozolomide Run3-DMSO	EGLN2	NM_053046	egl nine homolog 2 (C. elegans)	-1.761814	Inlier
siRNA-Temozolomide Run2-DMSO	EGLN2	NM_053046	egl nine homolog 2 (C. elegans)	-0.769421	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0530 46	EGLN2	egl nine homolog 2 (C. elegans)	-0.579579	Inlier
siRNA Disorazole DMSO Run1	NM_0530 46	EGLN2	egl nine homolog 2 (C. elegans)	-0.041839	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0530 46	EGLN2	egl nine homolog 2 (C. elegans)	0.04184	Inlier
siRNA Disorazole DMSO Run3	NM_0530 46	EGLN2	egl nine homolog 2 (C. elegans)	0.051989	Inlier
siRNA Disorazole DMSO Run2	NM_0530 46	EGLN2	egl nine homolog 2 (C. elegans)	1.096765	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0530 46	EGLN2	egl nine homolog 2 (C. elegans)	2.583827	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0220 73	EGLN3	egl nine homolog 3 (C. elegans)	-1.342502	Inlier
siRNA Disorazole DMSO Run1	NM_0220 73	EGLN3	egl nine homolog 3 (C. elegans)	-1.163387	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0220 73	EGLN3	egl nine homolog 3 (C. elegans)	-0.775962	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0220 73	EGLN3	egl nine homolog 3 (C. elegans)	-0.144895	Inlier
siRNA Disorazole DMSO Run3	NM_0220 73	EGLN3	egl nine homolog 3 (C. elegans)	0.144895	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0220 73	EGLN3	egl nine homolog 3 (C. elegans)	0.205977	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0220 73	EGLN3	egl nine homolog 3 (C. elegans)	0.573038	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0220 73	EGLN3	egl nine homolog 3 (C. elegans)	1.786087	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0019 66	EHHADH	enoyl-Coenzyme A, hydratase/3-hydroxyacyl Coenzyme A dehydrogenase	-0.833571	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0019 66	EHHADH	enoyl-Coenzyme A, hydratase/3-hydroxyacyl Coenzyme A dehydrogenase	-0.79808	Inlier
siRNA Disorazole DMSO Run2	NM_0019 66	EHHADH	enoyl-Coenzyme A, hydratase/3-hydroxyacyl Coenzyme A dehydrogenase	-0.690905	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0019 66	EHHADH	enoyl-Coenzyme A dehydrogenase	-0.024207	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0019 66	EHHADH	enoyl-Coenzyme A, hydratase/3-hydroxyacyl Coenzyme A dehydrogenase	0.024207	Inlier
siRNA Disorazole DMSO Run3	NM_0019 66	EHHADH	enoyl-Coenzyme A, hydratase/3-hydroxyacyl Coenzyme A dehydrogenase	0.437085	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0019 66	EHHADH	enoyl-Coenzyme A, hydratase/3-hydroxyacyl Coenzyme A dehydrogenase	0.658095	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0019 66	EHHADH	enoyl-Coenzyme A, hydratase/3-hydroxyacyl Coenzyme A dehydrogenase	1.02868	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0247 57	EHMT1	euchromatic histone methyltransferase 1	-1.338515	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0247 57	EHMT1	euchromatic histone methyltransferase 1	-0.678554	Inlier
siRNA Disorazole DMSO Run3	NM_0247 57	EHMT1	euchromatic histone methyltransferase 1	-0.507106	Inlier
siRNA Disorazole DMSO Run1	NM_0247 57	EHMT1	euchromatic histone methyltransferase 1	-0.261647	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0247 57	EHMT1	euchromatic histone methyltransferase 1	0.261647	Inlier
siRNA Disorazole DMSO Run2	NM_0247 57	EHMT1	euchromatic histone methyltransferase 1	0.670446	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0247 57	EHMT1	euchromatic histone methyltransferase 1	0.908068	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0247 57	EHMT1	euchromatic histone methyltransferase 1	0.957857	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0048 36	EIF2AK3	eukaryotic translation initiation factor 2-alpha kinase 3	-0.773356	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0048 36	EIF2AK3	eukaryotic translation initiation factor 2-alpha kinase 3	-0.575644	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0048 36	EIF2AK3	eukaryotic translation initiation factor 2-alpha kinase 3	-0.428136	Inlier
siRNA Disorazole DMSO Run3	NM_0048 36	EIF2AK3	eukaryotic translation initiation factor 2-alpha kinase 3	-0.023918	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0048 36	EIF2AK3	eukaryotic translation initiation factor 2-alpha kinase 3	0.023917	Inlier
siRNA Disorazole DMSO Run1	NM_0048 36	EIF2AK3	eukaryotic translation initiation factor 2-alpha kinase 3	1.737587	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0048 36	EIF2AK3	eukaryotic translation initiation factor 2-alpha kinase 3	2.916706	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0048 36	EIF2AK3	eukaryotic translation initiation factor 2-alpha kinase 3	2.948291	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0203 65	EIF2B3	eukaryotic translation initiation factor 2B, subunit 3 gamma, 58kDa	-1.404612	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0203 65	EIF2B3	eukaryotic translation initiation factor 2B, subunit 3 gamma, 58kDa	-0.733062	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0203 65	EIF2B3	eukaryotic translation initiation factor 2B, subunit 3 gamma, 58kDa	-0.59308	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0203 65	EIF2B3	eukaryotic translation initiation factor 2B, subunit 3 gamma, 58kDa	-0.388954	Inlier
siRNA Disorazole DMSO Run3	NM_0203 65	EIF2B3	eukaryotic translation initiation factor 2B, subunit 3 gamma, 58kDa	0.388955	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0203 65	EIF2B3	eukaryotic translation initiation factor 2B, subunit 3 gamma, 58kDa	0.615938	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0203 65	EIF2B3	eukaryotic translation initiation factor 2B, subunit 3 gamma, 58kDa	0.845204	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0203 65	EIF2B3	eukaryotic translation initiation factor 2B, subunit 3 gamma, 58kDa	2.391334	Inlier
siRNA Disorazole DMSO Run2	NM_0019 71	ELA1	elastase 1, pancreatic	-7.547831	Outlier
siRNA Disorazole DMSO Run1	NM_0019 71	ELA1	elastase 1, pancreatic	-5.064006	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0019 71	ELA1	elastase 1, pancreatic	-0.586774	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0019 71	ELA1	elastase 1, pancreatic	-0.155182	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0019 71	ELA1	elastase 1, pancreatic	0.15518	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0019 71	ELA1	elastase 1, pancreatic	0.380963	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0019 71	ELA1	elastase 1, pancreatic	0.762226	Inlier
siRNA Disorazole DMSO Run3	NM_0019 71	ELA1	elastase 1, pancreatic	4.342051	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0019 72	ELA2	elastase 2, neutrophil	-2.540414	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0019 72	ELA2	elastase 2, neutrophil	-1.185749	Inlier
siRNA Disorazole DMSO Run2	NM_0019 72	ELA2	elastase 2, neutrophil	-0.392838	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0019 72	ELA2	elastase 2, neutrophil	-0.019622	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0019 72	ELA2	elastase 2, neutrophil	0.019622	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0019 72	ELA2	elastase 2, neutrophil	0.65933	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0019 72	ELA2	elastase 2, neutrophil	0.68967	Inlier
siRNA Disorazole DMSO Run3	NM_0019 72	ELA2	elastase 2, neutrophil	2.195357	Inlier
siRNA Disorazole DMSO Run2	NM_0334 40	ELA2A	ELA2A	-0.683573	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0334 40	ELA2A	ELA2A	-0.665427	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0334 40	ELA2A	ELA2A	-0.282022	Inlier
siRNA Disorazole DMSO Run3	NM_0334 40	ELA2A	ELA2A	-0.001852	Inlier
siRNA Disorazole DMSO Run1	NM_0334 40	ELA2A	ELA2A	0.001852	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0334 40	ELA2A	ELA2A	0.700757	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0334 40	ELA2A	ELA2A	1.214583	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0334 40	ELA2A	ELA2A	1.752833	Inlier
siRNA Disorazole DMSO Run2	NM_0158 49	ELA2B	ELA2B	-0.868738	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0158 49	ELA2B	ELA2B	-0.827353	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0158 49	ELA2B	ELA2B	-0.660111	Inlier
siRNA Disorazole DMSO Run1	NM_0158 49	ELA2B	ELA2B	-0.311503	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0158 49	ELA2B	ELA2B	0.311503	Inlier
siRNA Disorazole DMSO Run3	NM_0158 49	ELA2B	ELA2B	0.585139	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0158 49	ELA2B	ELA2B	0.688889	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA Treatment	Gene ID	Gene Symbol	Gene Description	Log Fold Change	Category
siRNA-Vinblastine Run2-DMSO	NM_0158 49	ELA2B	ELA2B	0.999724	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0057 47	ELA3A	elastase 3A, pancreatic (protease E)	-2.668603	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0057 47	ELA3A	elastase 3A, pancreatic (protease E)	-2.492096	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0057 47	ELA3A	elastase 3A, pancreatic (protease E)	-0.470147	Inlier
siRNA Disorazole DMSO Run3	NM_0057 47	ELA3A	elastase 3A, pancreatic (protease E)	-0.033686	Inlier
siRNA Disorazole DMSO Run1	NM_0057 47	ELA3A	elastase 3A, pancreatic (protease E)	0.033686	Inlier
siRNA Disorazole DMSO Run2	NM_0057 47	ELA3A	elastase 3A, pancreatic (protease E)	0.582983	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0057 47	ELA3A	elastase 3A, pancreatic (protease E)	0.766017	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0057 47	ELA3A	elastase 3A, pancreatic (protease E)	1.139589	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0073 52	ELA3B	elastase 3B, pancreatic	-1.824157	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0073 52	ELA3B	elastase 3B, pancreatic	-1.253003	Inlier
siRNA Disorazole DMSO Run3	NM_0073 52	ELA3B	elastase 3B, pancreatic	-0.082747	Inlier
siRNA Disorazole DMSO Run2	NM_0073 52	ELA3B	elastase 3B, pancreatic	-0.012615	Inlier
siRNA Disorazole DMSO Run1	NM_0073 52	ELA3B	elastase 3B, pancreatic	0.012614	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0073 52	ELA3B	elastase 3B, pancreatic	0.254269	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0073 52	ELA3B	elastase 3B, pancreatic	1.094731	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0073 52	ELA3B	elastase 3B, pancreatic	1.345192	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0228 21	ELOVL1	elongation of very long chain fatty acids (FEN1/Elo 2, SUR4/Elo 3, yeast)- like 1	-1.809826	Inlier
siRNA Disorazole DMSO Run1	NM_0228 21	ELOVL1	elongation of very long chain fatty acids (FEN1/Elo 2, SUR4/Elo 3, yeast)- like 1	-0.905986	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0228 21	ELOVL1	elongation of very long chain fatty acids (FEN1/Elo 2, SUR4/Elo 3, yeast)-like 1	-0.531529	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0228 21	ELOVL1	elongation of very long chain fatty acids (FEN1/Elo 2, SUR4/Elo 3, yeast)-like 1	-0.206482	Inlier
siRNA Disorazole DMSO Run2	NM_0228 21	ELOVL1	elongation of very long chain fatty acids (FEN1/Elo 2, SUR4/Elo 3, yeast)-like 1	0.206482	Inlier
siRNA Disorazole DMSO Run3	NM_0228 21	ELOVL1	elongation of very long chain fatty acids (FEN1/Elo 2, SUR4/Elo 3, yeast)-like 1	0.276901	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0228 21	ELOVL1	elongation of very long chain fatty acids (FEN1/Elo 2, SUR4/Elo 3, yeast)-like 1	0.817471	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_022821	ELOVL1	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 1	2.002354	Inlier
siRNA-Temozolomide Run1-DMSO	NM_017770	ELOVL2	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 2	-1.342528	Inlier
siRNA-Temozolomide Run3-DMSO	NM_017770	ELOVL2	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 2	-0.968222	Inlier
siRNA-Temozolomide Run2-DMSO	NM_017770	ELOVL2	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 2	-0.71619	Inlier
siRNA Disorazole DMSO Run1	NM_017770	ELOVL2	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 2	-0.157259	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0177 70	ELOVL2	elongation of very long chain fatty acids (FEN1/Elo 2, SUR4/Elo 3, yeast)- like 2	0.157259	Inlier
siRNA Disorazole DMSO Run2	NM_0177 70	ELOVL2	elongation of very long chain fatty acids (FEN1/Elo 2, SUR4/Elo 3, yeast)- like 2	0.514901	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0177 70	ELOVL2	elongation of very long chain fatty acids (FEN1/Elo 2, SUR4/Elo 3, yeast)- like 2	0.63281	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0177 70	ELOVL2	elongation of very long chain fatty acids (FEN1/Elo 2, SUR4/Elo 3, yeast)- like 2	0.932065	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1523 10	ELOVL3	elongation of very long chain fatty acids (FEN1/Elo 2, SUR4/Elo 3, yeast)- like 3	-0.951033	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_1523 10	ELOVL3	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 3	-0.781606	Inlier
siRNA Disorazole DMSO Run1	NM_1523 10	ELOVL3	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 3	-0.222684	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1523 10	ELOVL3	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 3	-0.185635	Inlier
siRNA Disorazole DMSO Run3	NM_1523 10	ELOVL3	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 3	0.185635	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1523 10	ELOVL3	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 3	0.567394	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_1523 10	ELOVL3	elongation of very long chain fatty acids (FEN1/Elo 2, SUR4/Elo 3, yeast)- like 3	4.149232 Outlier
siRNA-Vinblastine Run1- DMSO	NM_1523 10	ELOVL3	elongation of very long chain fatty acids (FEN1/Elo 2, SUR4/Elo 3, yeast)- like 3	6.860768 Outlier
siRNA-Temozolomide Run3- DMSO	NM_0227 26	ELOVL4	elongation of very long chain fatty acids (FEN1/Elo 2, SUR4/Elo 3, yeast)- like 4	-2.903034 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0227 26	ELOVL4	elongation of very long chain fatty acids (FEN1/Elo 2, SUR4/Elo 3, yeast)- like 4	-1.905275 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0227 26	ELOVL4	elongation of very long chain fatty acids (FEN1/Elo 2, SUR4/Elo 3, yeast)- like 4	-0.469565 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0227 26	ELOVL4	elongation of very long chain fatty acids (FEN1/Elo 2, SUR4/Elo 3, yeast)- like 4	-0.031821	Inlier
siRNA Disorazole DMSO Run3	NM_0227 26	ELOVL4	elongation of very long chain fatty acids (FEN1/Elo 2, SUR4/Elo 3, yeast)- like 4	0.031822	Inlier
siRNA Disorazole DMSO Run2	NM_0227 26	ELOVL4	elongation of very long chain fatty acids (FEN1/Elo 2, SUR4/Elo 3, yeast)- like 4	0.263684	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0227 26	ELOVL4	elongation of very long chain fatty acids (FEN1/Elo 2, SUR4/Elo 3, yeast)- like 4	0.879435	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0227 26	ELOVL4	elongation of very long chain fatty acids (FEN1/Elo 2, SUR4/Elo 3, yeast)- like 4	1.03295	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0218 14	ELOVL5	ELOVL family member 5, elongation of long chain fatty acids (FEN1/Elo 2, SUR4/Elo 3-like, yeast)	-1.415637	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0218 14	ELOVL5	ELOVL family member 5, elongation of long chain fatty acids (FEN1/Elo 2, SUR4/Elo 3-like, yeast)	-0.995034	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0218 14	ELOVL5	ELOVL family member 5, elongation of long chain fatty acids (FEN1/Elo 2, SUR4/Elo 3-like, yeast)	-0.353966	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0218 14	ELOVL5	ELOVL family member 5, elongation of long chain fatty acids (FEN1/Elo 2, SUR4/Elo 3-like, yeast)	-0.049281	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0218 14	ELOVL5	ELOVL family member 5, elongation of long chain fatty acids (FEN1/Elo 2, SUR4/Elo 3-like, yeast)	0.049281	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0218 14	ELOVL5	ELOVL family member 5, elongation of long chain fatty acids (FEN1/Elo 2, SUR4/Elo 3-like, yeast)	0.077146	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0218 14	ELOVL5	ELOVL family member 5, elongation of long chain fatty acids (FEN1/Elo 2, SUR4/Elo 3-like, yeast)	3.603581	Outlier
siRNA-Vinblastine Run1- DMSO	NM_0218 14	ELOVL5	ELOVL family member 5, elongation of long chain fatty acids (FEN1/Elo 2, SUR4/Elo 3-like, yeast)	4.833703	Outlier
siRNA-Temozolomide Run2- DMSO	NM_0240 90	ELOVL6	ELOVL family member 6, elongation of long chain fatty acids (FEN1/Elo 2, SUR4/Elo 3-like, yeast)	-1.327823	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0240 90	ELOVL6	ELOVL family member 6, elongation of long chain fatty acids (FEN1/Elo 2, SUR4/Elo 3-like, yeast)	-0.66078 Inlier
----------------------------	---------------	--------	---	-----------------

siRNA-Temozolomide Run1- DMSO	NM_0240 90	ELOVL6	ELOVL family member 6, elongation of long chain fatty acids (FEN1/Elo 2, SUR4/Elo 3-like, yeast)	-0.64364 Inlier
----------------------------------	---------------	--------	---	-----------------

siRNA-Temozolomide Run3- DMSO	NM_0240 90	ELOVL6	ELOVL family member 6, elongation of long chain fatty acids (FEN1/Elo 2, SUR4/Elo 3-like, yeast)	-0.40285 Inlier
----------------------------------	---------------	--------	---	-----------------

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0240 90	ELOVL6	ELOVL family member 6, elongation of long chain fatty acids (FEN1/Elo 2, SUR4/Elo 3-like, yeast)	0.402851 Inlier
siRNA Disorazole DMSO Run3	NM_0240 90	ELOVL6	ELOVL family member 6, elongation of long chain fatty acids (FEN1/Elo 2, SUR4/Elo 3-like, yeast)	0.688219 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0240 90	ELOVL6	ELOVL family member 6, elongation of long chain fatty acids (FEN1/Elo 2, SUR4/Elo 3-like, yeast)	0.740546 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_024090	ELOVL6	ELOVL family member 6, elongation of long chain fatty acids (FEN1/Elo2, SUR4/Elo3-like, yeast)	1.895906	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001974	EMR1	egf-like module containing, mucin-like, hormone receptor-like 1	-1.770401	Inlier
siRNA Disorazole DMSO Run2	NM_001974	EMR1	egf-like module containing, mucin-like, hormone receptor-like 1	-1.593977	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001974	EMR1	egf-like module containing, mucin-like, hormone receptor-like 1	-0.337307	Inlier
siRNA Disorazole DMSO Run3	NM_001974	EMR1	egf-like module containing, mucin-like, hormone receptor-like 1	-0.270848	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_001974	EMR1	egf-like module containing, mucin-like, hormone receptor-like 1	0.270848	Inlier
siRNA Disorazole DMSO Run1	NM_001974	EMR1	egf-like module containing, mucin-like, hormone receptor-like 1	0.487178	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001974	EMR1	egf-like module containing, mucin-like, hormone receptor-like 1	0.861822	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001974	EMR1	egf-like module containing, mucin-like, hormone receptor-like 1	0.992994	Inlier
siRNA-Temozolomide Run3-DMSO	NM_152918	EMR2	egf-like module containing, mucin-like, hormone receptor-like 2	-2.486914	Inlier
siRNA Disorazole DMSO Run2	NM_152918	EMR2	egf-like module containing, mucin-like, hormone receptor-like 2	-1.679341	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_1529 18	EMR2	egf-like module containing, mucin-like, hormone receptor- like 2	-0.769844	Inlier
siRNA Disorazole DMSO Run1	NM_1529 18	EMR2	egf-like module containing, mucin-like, hormone receptor- like 2	-0.113849	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1529 18	EMR2	egf-like module containing, mucin-like, hormone receptor- like 2	0.113849	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1529 18	EMR2	egf-like module containing, mucin-like, hormone receptor- like 2	0.606509	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1529 18	EMR2	egf-like module containing, mucin-like, hormone receptor- like 2	0.652073	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1529 18	EMR2	egf-like module containing, mucin-like, hormone receptor- like 2	0.696927	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_1529 39	EMR3	egf-like module containing, mucin-like, hormone receptor- like 3	-1.788898	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1529 39	EMR3	egf-like module containing, mucin-like, hormone receptor- like 3	-0.824977	Inlier
siRNA Disorazole DMSO Run3	NM_1529 39	EMR3	egf-like module containing, mucin-like, hormone receptor- like 3	-0.400648	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1529 39	EMR3	egf-like module containing, mucin-like, hormone receptor- like 3	-0.105979	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1529 39	EMR3	egf-like module containing, mucin-like, hormone receptor- like 3	0.10598	Inlier
siRNA Disorazole DMSO Run1	NM_1529 39	EMR3	egf-like module containing, mucin-like, hormone receptor- like 3	0.52529	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_1529 39	EMR3	egf-like module containing, mucin-like, hormone receptor- like 3	0.82371	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1529 39	EMR3	egf-like module containing, mucin-like, hormone receptor- like 3	1.037227	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0044 35	ENDOG	endonucle ase G	-1.4091	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0044 35	ENDOG	endonucle ase G	-0.694212	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0044 35	ENDOG	endonucle ase G	-0.206388	Inlier
siRNA Disorazole DMSO Run3	NM_0044 35	ENDOG	endonucle ase G	-0.043928	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0044 35	ENDOG	endonucle ase G	0.043928	Inlier
siRNA Disorazole DMSO Run1	NM_0044 35	ENDOG	endonucle ase G	0.654788	Inlier
siRNA Disorazole DMSO Run2	NM_0044 35	ENDOG	endonucle ase G	0.87587	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0044 35	ENDOG	endonucle ase G	1.264511	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0051 07	ENDOGL1	endonucle ase G-like 1	-1.86986	Inlier
siRNA Disorazole DMSO Run3	NM_0051 07	ENDOGL1	endonucle ase G-like 1	-0.976548	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0051 07	ENDOGL1	endonucle ase G-like 1	-0.380112	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0051 07	ENDOGL1	endonucle ase G-like 1	-0.044937	Inlier
siRNA Disorazole DMSO Run1	NM_0051 07	ENDOGL1	endonucle ase G-like 1	0.044936	Inlier
siRNA Disorazole DMSO Run2	NM_0051 07	ENDOGL1	endonucle ase G-like 1	0.141766	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology			endonucle	
siRNA-Vinblastine Run1-DMSO	NM_005107	ENDOGL1	ase G-like	0.968888 Inlier
siRNA-Temozolomide Run1-DMSO	NM_005107	ENDOGL1	ase G-like	1.967873 Inlier
siRNA-Vinblastine Run2-DMSO	NM_001428	ENO1	enolase 1, (alpha)	-2.438079 Inlier
siRNA-Temozolomide Run3-DMSO	NM_001428	ENO1	enolase 1, (alpha)	-1.430734 Inlier
siRNA Disorazole DMSO Run1	NM_001428	ENO1	enolase 1, (alpha)	-0.327832 Inlier
siRNA-Vinblastine Run1-DMSO	NM_001428	ENO1	enolase 1, (alpha)	-0.134798 Inlier
siRNA Disorazole DMSO Run2	NM_001428	ENO1	enolase 1, (alpha)	0.134798 Inlier
siRNA-Temozolomide Run1-DMSO	NM_001428	ENO1	enolase 1, (alpha)	0.638191 Inlier
siRNA Disorazole DMSO Run3	NM_001428	ENO1	enolase 1, (alpha)	0.710809 Inlier
siRNA-Temozolomide Run2-DMSO	NM_001428	ENO1	enolase 1, (alpha)	1.249987 Inlier
siRNA-Temozolomide Run3-DMSO	NM_001975	ENO2	enolase 2 (gamma, neuronal)	-1.606768 Inlier
siRNA-Temozolomide Run1-DMSO	NM_001975	ENO2	enolase 2 (gamma, neuronal)	-0.874882 Inlier
siRNA-Temozolomide Run2-DMSO	NM_001975	ENO2	enolase 2 (gamma, neuronal)	-0.648944 Inlier
siRNA Disorazole DMSO Run1	NM_001975	ENO2	enolase 2 (gamma, neuronal)	-0.403533 Inlier
siRNA Disorazole DMSO Run2	NM_001975	ENO2	enolase 2 (gamma, neuronal)	0.403533 Inlier
siRNA-Vinblastine Run2-DMSO	NM_001975	ENO2	enolase 2 (gamma, neuronal)	0.414683 Inlier
siRNA Disorazole DMSO Run3	NM_001975	ENO2	enolase 2 (gamma, neuronal)	0.700056 Inlier
siRNA-Vinblastine Run1-DMSO	NM_001975	ENO2	enolase 2 (gamma, neuronal)	1.088059 Inlier
siRNA-Temozolomide Run3-DMSO	NM_001976	ENO3	enolase 3 (beta, muscle)	-1.841643 Inlier
siRNA-Temozolomide Run2-DMSO	NM_001976	ENO3	enolase 3 (beta, muscle)	-1.131717 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology					
siRNA-Temozolomide Run1-DMSO	NM_0019 76	ENO3	enolase 3 (beta, muscle)	-0.979205	Inlier
siRNA Disorazole DMSO Run1	NM_0019 76	ENO3	enolase 3 (beta, muscle)	-0.21763	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0019 76	ENO3	enolase 3 (beta, muscle)	0.21763	Inlier
siRNA Disorazole DMSO Run3	NM_0019 76	ENO3	enolase 3 (beta, muscle)	0.368798	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0019 76	ENO3	enolase 3 (beta, muscle)	0.57664	Inlier
siRNA Disorazole DMSO Run2	NM_0019 76	ENO3	enolase 3 (beta, muscle)	0.77236	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0019 77	ENPEP	glutamyl aminopept idase (aminopep tidase A)	-1.310575	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0019 77	ENPEP	glutamyl aminopept idase (aminopep tidase A)	-1.008142	Inlier
siRNA Disorazole DMSO Run1	NM_0019 77	ENPEP	glutamyl aminopept idase (aminopep tidase A)	-0.354795	Inlier
siRNA Disorazole DMSO Run3	NM_0019 77	ENPEP	glutamyl aminopept idase (aminopep tidase A)	-0.054715	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0019 77	ENPEP	glutamyl aminopept idase (aminopep tidase A)	0.054715	Inlier
siRNA Disorazole DMSO Run2	NM_0019 77	ENPEP	glutamyl aminopept idase (aminopep tidase A)	0.420803	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log2 Fold Change	Outlier Status
siRNA-Vinblastine Run2-DMSO	NM_001977	ENPEP	glutamyl aminopeptidase (aminopeptidase A)	0.928197	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001977	ENPEP	glutamyl aminopeptidase (aminopeptidase A)	1.074984	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006208	ENPP1	ectonucleotide pyrophosphatase/phosphodiesterase 1	-1.045963	Inlier
siRNA Disorazole DMSO Run2	NM_006208	ENPP1	ectonucleotide pyrophosphatase/phosphodiesterase 1	-0.672041	Inlier
siRNA Disorazole DMSO Run1	NM_006208	ENPP1	ectonucleotide pyrophosphatase/phosphodiesterase 1	-0.422035	Inlier
siRNA Disorazole DMSO Run3	NM_006208	ENPP1	ectonucleotide pyrophosphatase/phosphodiesterase 1	-0.346307	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006208	ENPP1	ectonucleotide pyrophosphatase/phosphodiesterase 1	0.346306	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006208	ENPP1	ectonucleotide pyrophosphatase/phosphodiesterase 1	0.676959	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006208	ENPP1	ectonucleotide pyrophosphatase/phosphodiesterase 1	0.959144	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_006208	ENPP1	ectonucleotide pyrophosphatase/phosphodiesterase 1	1.096079	Inlier
siRNA Disorazole DMSO Run2	NM_006209	ENPP2	ectonucleotide pyrophosphatase/phosphodiesterase 2 (autotaxin)	-3.888675	Outlier
siRNA-Temozolomide Run3-DMSO	NM_006209	ENPP2	ectonucleotide pyrophosphatase/phosphodiesterase 2 (autotaxin)	-0.874921	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006209	ENPP2	ectonucleotide pyrophosphatase/phosphodiesterase 2 (autotaxin)	-0.87266	Inlier
siRNA Disorazole DMSO Run3	NM_006209	ENPP2	ectonucleotide pyrophosphatase/phosphodiesterase 2 (autotaxin)	-0.05864	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006209	ENPP2	ectonucleotide pyrophosphatase/phosphodiesterase 2 (autotaxin)	0.05864	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_006209	ENPP2	ectonucleotide pyrophosphatase/phosphodiesterase 2 (autotaxin)	0.108385	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006209	ENPP2	ectonucleotide pyrophosphatase/phosphodiesterase 2 (autotaxin)	0.570657	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006209	ENPP2	ectonucleotide pyrophosphatase/phosphodiesterase 2 (autotaxin)	0.778343	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005021	ENPP3	ectonucleotide pyrophosphatase/phosphodiesterase 3	-1.341712	Inlier
siRNA Disorazole DMSO Run2	NM_005021	ENPP3	ectonucleotide pyrophosphatase/phosphodiesterase 3	-1.282641	Inlier
siRNA Disorazole DMSO Run1	NM_005021	ENPP3	ectonucleotide pyrophosphatase/phosphodiesterase 3	-0.742865	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005021	ENPP3	ectonucleotide pyrophosphatase/phosphodiesterase 3	-0.07475	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0050 21	ENPP3	ectonucleotide pyrophosphatase/phosphodiesterase 3	0.07475	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0050 21	ENPP3	ectonucleotide pyrophosphatase/phosphodiesterase 3	0.4521	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0050 21	ENPP3	ectonucleotide pyrophosphatase/phosphodiesterase 3	0.606135	Inlier
siRNA Disorazole DMSO Run3	NM_0050 21	ENPP3	ectonucleotide pyrophosphatase/phosphodiesterase 3	1.017062	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0149 36	ENPP4	(putative function) ectonucleotide pyrophosphatase/phosphodiesterase 4	-1.208482	Inlier
siRNA Disorazole DMSO Run2	NM_0149 36	ENPP4	(putative function) ectonucleotide pyrophosphatase/phosphodiesterase 4	-1.011412	Inlier
siRNA Disorazole DMSO Run3	NM_0149 36	ENPP4	(putative function)	-0.668718	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_014936	ENPP4	ectonucleotide pyrophosphatase/phosphodiesterase 4 (putative function)	-0.011848	Inlier
siRNA-Temozolomide Run1-DMSO	NM_014936	ENPP4	ectonucleotide pyrophosphatase/phosphodiesterase 4 (putative function)	0.011849	Inlier
siRNA Disorazole DMSO Run1	NM_014936	ENPP4	ectonucleotide pyrophosphatase/phosphodiesterase 4 (putative function)	0.08636	Inlier
siRNA-Vinblastine Run2-DMSO	NM_014936	ENPP4	ectonucleotide pyrophosphatase/phosphodiesterase 4 (putative function)	0.680282	Inlier
siRNA-Vinblastine Run1-DMSO	NM_014936	ENPP4	ectonucleotide pyrophosphatase/phosphodiesterase 4 (putative function)	0.688628	Inlier
siRNA-Temozolomide Run3-DMSO	NM_021572	ENPP5	ectonucleotide pyrophosphatase/phosphodiesterase 5 (putative function)	-0.8906	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	ENPP5	Function	Value	Category
siRNA-Temozolomide Run2-DMSO	NM_021572	ENPP5	ectonucleotide pyrophosphatase/phosphodiesterase 5 (putative function)	-0.759811	Inlier
siRNA Disorazole DMSO Run2	NM_021572	ENPP5	ectonucleotide pyrophosphatase/phosphodiesterase 5 (putative function)	-0.589189	Inlier
siRNA Disorazole DMSO Run3	NM_021572	ENPP5	ectonucleotide pyrophosphatase/phosphodiesterase 5 (putative function)	-0.315321	Inlier
siRNA-Temozolomide Run1-DMSO	NM_021572	ENPP5	ectonucleotide pyrophosphatase/phosphodiesterase 5 (putative function)	0.315321	Inlier
siRNA Disorazole DMSO Run1	NM_021572	ENPP5	ectonucleotide pyrophosphatase/phosphodiesterase 5 (putative function)	0.364196	Inlier
siRNA-Vinblastine Run1-DMSO	NM_021572	ENPP5	ectonucleotide pyrophosphatase/phosphodiesterase 5 (putative function)	0.947857	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_021572	ENPP5	ectonucleotide pyrophosphatase/phosphodiesterase 5 (putative function)	0.973218	Inlier
siRNA-Vinblastine Run2-DMSO	NM_153343	ENPP6	ectonucleotide pyrophosphatase/phosphodiesterase 6	-1.169512	Inlier
siRNA-Temozolomide Run2-DMSO	NM_153343	ENPP6	ectonucleotide pyrophosphatase/phosphodiesterase 6	-0.637257	Inlier
siRNA-Temozolomide Run3-DMSO	NM_153343	ENPP6	ectonucleotide pyrophosphatase/phosphodiesterase 6	-0.588981	Inlier
siRNA Disorazole DMSO Run3	NM_153343	ENPP6	ectonucleotide pyrophosphatase/phosphodiesterase 6	-0.417618	Inlier
siRNA-Temozolomide Run1-DMSO	NM_153343	ENPP6	ectonucleotide pyrophosphatase/phosphodiesterase 6	0.417619	Inlier
siRNA Disorazole DMSO Run1	NM_153343	ENPP6	ectonucleotide pyrophosphatase/phosphodiesterase 6	0.711743	Inlier
siRNA-Vinblastine Run1-DMSO	NM_153343	ENPP6	ectonucleotide pyrophosphatase/phosphodiesterase 6	1.245542	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_1533 43	ENPP6	ectonucleotide pyrophosphatase/phosphodiesterase 6	2.019704	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1785 43	ENPP7	ectonucleotide pyrophosphatase/phosphodiesterase 7	-1.084218	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1785 43	ENPP7	ectonucleotide pyrophosphatase/phosphodiesterase 7	-0.96633	Inlier
siRNA Disorazole DMSO Run1	NM_1785 43	ENPP7	ectonucleotide pyrophosphatase/phosphodiesterase 7	-0.845881	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1785 43	ENPP7	ectonucleotide pyrophosphatase/phosphodiesterase 7	-0.009634	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1785 43	ENPP7	ectonucleotide pyrophosphatase/phosphodiesterase 7	0.009635	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1785 43	ENPP7	ectonucleotide pyrophosphatase/phosphodiesterase 7	0.089542	Inlier
siRNA Disorazole DMSO Run2	NM_1785 43	ENPP7	ectonucleotide pyrophosphatase/phosphodiesterase 7	0.503119	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_1785 43	ENPP7	ectonucleo tide pyrophosp hatase/ph osphodiesterase 7	7.050071	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0017 76	ENTPD1	ectonucleo side triphospha te diphospho hydrolase 1	-0.909111	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0017 76	ENTPD1	ectonucleo side triphospha te diphospho hydrolase 1	-0.716162	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0017 76	ENTPD1	ectonucleo side triphospha te diphospho hydrolase 1	-0.632838	Inlier
siRNA Disorazole DMSO Run3	NM_0017 76	ENTPD1	ectonucleo side triphospha te diphospho hydrolase 1	-0.221517	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0017 76	ENTPD1	ectonucleo side triphospha te diphospho hydrolase 1	0.221516	Inlier
siRNA Disorazole DMSO Run1	NM_0017 76	ENTPD1	ectonucleo side triphospha te diphospho hydrolase 1	0.554015	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Accession	Value	Category
siRNA-Vinblastine Run1-DMSO	NM_001776	ENTPD1	1	1.180025	Inlier
siRNA Disorazole DMSO Run2	NM_001776	ENTPD1	1	1.794836	Inlier
siRNA-Temozolomide Run3-DMSO	NM_203468	ENTPD2	2	-0.970918	Inlier
siRNA-Temozolomide Run2-DMSO	NM_203468	ENTPD2	2	-0.755947	Inlier
siRNA-Vinblastine Run2-DMSO	NM_203468	ENTPD2	2	-0.426719	Inlier
siRNA Disorazole DMSO Run3	NM_203468	ENTPD2	2	-0.058555	Inlier
siRNA-Temozolomide Run1-DMSO	NM_203468	ENTPD2	2	0.058555	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Accession	Value	Category
siRNA Disorazole DMSO Run1	NM_2034 68	ENTPD2	ectonucleo side triphospha te diphospha hydrolase 2	0.593053	Inlier
siRNA-Vinblastine Run1- DMSO	NM_2034 68	ENTPD2	ectonucleo side triphospha te diphospha hydrolase 2	4.377157	Outlier
siRNA Disorazole DMSO Run2	NM_2034 68	ENTPD2	ectonucleo side triphospha te diphospha hydrolase 2	4.377604	Outlier
siRNA-Temozolomide Run3- DMSO	NM_0012 48	ENTPD3	ectonucleo side triphospha te diphospha hydrolase 3	-1.041973	Inlier
siRNA Disorazole DMSO Run3	NM_0012 48	ENTPD3	ectonucleo side triphospha te diphospha hydrolase 3	-0.775528	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0012 48	ENTPD3	ectonucleo side triphospha te diphospha hydrolase 3	-0.573472	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0012 48	ENTPD3	ectonucleo side triphospha te diphospha hydrolase 3	-0.001385	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Gene	Count	Value	Category
siRNA Disorazole DMSO Run1	ENTPD3	NM_001248	ectonucleoside triphosphate diphosphohydrolase 3	3	0.001385	Inlier
siRNA-Temozolomide Run1-DMSO	ENTPD3	NM_001248	ectonucleoside triphosphate diphosphohydrolase 3	3	0.028033	Inlier
siRNA-Vinblastine Run1-DMSO	ENTPD3	NM_001248	ectonucleoside triphosphate diphosphohydrolase 3	3	2.336284	Inlier
siRNA Disorazole DMSO Run2	ENTPD3	NM_001248	ectonucleoside triphosphate diphosphohydrolase 3	3	3.707821	Outlier
siRNA-Temozolomide Run3-DMSO	ENTPD4	NM_004901	ectonucleoside triphosphate diphosphohydrolase 4	4	-1.352246	Inlier
siRNA-Temozolomide Run2-DMSO	ENTPD4	NM_004901	ectonucleoside triphosphate diphosphohydrolase 4	4	-0.5338	Inlier
siRNA-Temozolomide Run1-DMSO	ENTPD4	NM_004901	ectonucleoside triphosphate diphosphohydrolase 4	4	-0.3617	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0049 01	ENTPD4	ectonucleo side triphospha te diphospha hydrolase 4	-0.289964	Inlier
siRNA Disorazole DMSO Run3	NM_0049 01	ENTPD4	ectonucleo side triphospha te diphospha hydrolase 4	0.289964	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0049 01	ENTPD4	ectonucleo side triphospha te diphospha hydrolase 4	0.8152	Inlier
siRNA Disorazole DMSO Run2	NM_0049 01	ENTPD4	ectonucleo side triphospha te diphospha hydrolase 4	0.951374	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0049 01	ENTPD4	ectonucleo side triphospha te diphospha hydrolase 4	2.000621	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0012 49	ENTPD5	ectonucleo side triphospha te diphospha hydrolase 5	-1.208153	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0012 49	ENTPD5	ectonucleo side triphospha te diphospha hydrolase 5	-1.007677	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0012 49	ENTPD5	5	-0.341323	Inlier
siRNA Disorazole DMSO Run3	NM_0012 49	ENTPD5	5	-0.069416	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0012 49	ENTPD5	5	0.069417	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0012 49	ENTPD5	5	0.125628	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0012 49	ENTPD5	5	1.286584	Inlier
siRNA Disorazole DMSO Run2	NM_0012 49	ENTPD5	5	1.57146	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0012 47	ENTPD6	6 (putative function)	-1.129833	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Function	Value	Category
siRNA-Temozolomide Run2-DMSO	NM_001247	ENTPD6	ectonucleoside triphosphate diphosphohydrolase 6 (putative function)	-1.119756	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001247	ENTPD6	ectonucleoside triphosphate diphosphohydrolase 6 (putative function)	-0.311703	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001247	ENTPD6	ectonucleoside triphosphate diphosphohydrolase 6 (putative function)	-0.0993	Inlier
siRNA Disorazole DMSO Run3	NM_001247	ENTPD6	ectonucleoside triphosphate diphosphohydrolase 6 (putative function)	0.099301	Inlier
siRNA Disorazole DMSO Run1	NM_001247	ENTPD6	ectonucleoside triphosphate diphosphohydrolase 6 (putative function)	0.387952	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001247	ENTPD6	ectonucleoside triphosphate diphosphohydrolase 6 (putative function)	0.961048	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Condition	Gene	Gene ID	Gene Name	Value	Outlier Status
siRNA Disorazole DMSO Run2		ENTPD6	NM_001247	ectonucleoside triphosphatase diphosphohydrolase 6 (putative calcium activated nucleotidase 1)	1.030989	Inlier
siRNA-Temozolomide Run3-DMSO		ENTPD8	NM_138793	ectonucleoside triphosphatase diphosphohydrolase 8 (putative calcium activated nucleotidase 1)	-1.362317	Inlier
siRNA-Temozolomide Run2-DMSO		ENTPD8	NM_138793	ectonucleoside triphosphatase diphosphohydrolase 8 (putative calcium activated nucleotidase 1)	-1.131482	Inlier
siRNA Disorazole DMSO Run2		ENTPD8	NM_138793	ectonucleoside triphosphatase diphosphohydrolase 8 (putative calcium activated nucleotidase 1)	-0.890272	Inlier
siRNA-Temozolomide Run1-DMSO		ENTPD8	NM_138793	ectonucleoside triphosphatase diphosphohydrolase 8 (putative calcium activated nucleotidase 1)	-0.143323	Inlier
siRNA Disorazole DMSO Run1		ENTPD8	NM_138793	ectonucleoside triphosphatase diphosphohydrolase 8 (putative calcium activated nucleotidase 1)	0.143323	Inlier
siRNA Disorazole DMSO Run3		ENTPD8	NM_138793	ectonucleoside triphosphatase diphosphohydrolase 8 (putative calcium activated nucleotidase 1)	0.197718	Inlier
siRNA-Vinblastine Run1-DMSO		ENTPD8	NM_138793	ectonucleoside triphosphatase diphosphohydrolase 8 (putative calcium activated nucleotidase 1)	0.540462	Inlier
siRNA-Vinblastine Run2-DMSO		ENTPD8	NM_138793	ectonucleoside triphosphatase diphosphohydrolase 8 (putative calcium activated nucleotidase 1)	0.808538	Inlier
siRNA-Temozolomide Run1-DMSO		EP300	NM_001429	E1A binding protein p300	-0.886199	Inlier
siRNA Disorazole DMSO Run3		EP300	NM_001429	E1A binding protein p300	-0.462801	Inlier
siRNA-Temozolomide Run2-DMSO		EP300	NM_001429	E1A binding protein p300	-0.02208	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0014 29	EP300	E1A binding protein p300	-0.012131	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0014 29	EP300	E1A binding protein p300	0.012131	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0014 29	EP300	E1A binding protein p300	1.087724	Inlier
siRNA Disorazole DMSO Run2	NM_0014 29	EP300	E1A binding protein p300	7.633186	Outlier
siRNA-Vinblastine Run1- DMSO	NM_0014 29	EP300	E1A binding protein p300 erythrocyt e	10.71569	Outlier
siRNA-Temozolomide Run3- DMSO	NM_0001 19	EPB42	membrane protein band 4.2 erythrocyt e	-2.52843	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0001 19	EPB42	membrane protein band 4.2 erythrocyt e	-2.048223	Inlier
siRNA Disorazole DMSO Run1	NM_0001 19	EPB42	membrane protein band 4.2 erythrocyt e	-0.184775	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0001 19	EPB42	membrane protein band 4.2 erythrocyt e	-0.03389	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0001 19	EPB42	membrane protein band 4.2 erythrocyt e	0.03389	Inlier
siRNA Disorazole DMSO Run3	NM_0001 19	EPB42	membrane protein band 4.2	0.201104	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			erythrocyt e membrane protein band 4.2	1.147896	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0001 19	EPB42	erythrocyt e membrane protein band 4.2	1.147896	Inlier
siRNA Disorazole DMSO Run2	NM_0001 19	EPB42	erythrocyt e membrane protein band 4.2	1.436686	Inlier
siRNA Disorazole DMSO Run2	NM_0052 32	EPHA1	EPH receptor A1	-1.733758	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0052 32	EPHA1	EPH receptor A1	-0.96648	Inlier
siRNA Disorazole DMSO Run3	NM_0052 32	EPHA1	EPH receptor A1	-0.724972	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0052 32	EPHA1	EPH receptor A1	-0.078668	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0052 32	EPHA1	EPH receptor A1	0.078668	Inlier
siRNA Disorazole DMSO Run1	NM_0052 32	EPHA1	EPH receptor A1	0.484105	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0052 32	EPHA1	EPH receptor A1	0.654214	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0052 32	EPHA1	EPH receptor A1	0.694786	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0044 31	EPHA2	EPH receptor A2	-1.034087	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0044 31	EPHA2	EPH receptor A2	-0.828727	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0044 31	EPHA2	EPH receptor A2	-0.520273	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0044 31	EPHA2	EPH receptor A2	-0.006095	Inlier
siRNA Disorazole DMSO Run1	NM_0044 31	EPHA2	EPH receptor A2	0.006094	Inlier
siRNA Disorazole DMSO Run2	NM_0044 31	EPHA2	EPH receptor A2	0.463311	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology				EPH	
siRNA Disorazole DMSO Run3	NM_0044 31	EPHA2	receptor A2	1.394323	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0044 31	EPHA2	receptor A2	1.522517	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1826 44	EPHA3	receptor A3	-0.753694	Inlier
siRNA Disorazole DMSO Run2	NM_1826 44	EPHA3	receptor A3	-0.595306	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1826 44	EPHA3	receptor A3	-0.267608	Inlier
siRNA Disorazole DMSO Run3	NM_1826 44	EPHA3	receptor A3	-0.044461	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1826 44	EPHA3	receptor A3	0.044461	Inlier
siRNA Disorazole DMSO Run1	NM_1826 44	EPHA3	receptor A3	1.381184	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1826 44	EPHA3	receptor A3	1.536961	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1826 44	EPHA3	receptor A3	2.286638	Inlier
siRNA Disorazole DMSO Run2	NM_0044 38	EPHA4	receptor A4	-1.505803	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0044 38	EPHA4	receptor A4	-0.860774	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0044 38	EPHA4	receptor A4	-0.488226	Inlier
siRNA Disorazole DMSO Run3	NM_0044 38	EPHA4	receptor A4	-0.021511	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0044 38	EPHA4	receptor A4	0.021511	Inlier
siRNA Disorazole DMSO Run1	NM_0044 38	EPHA4	receptor A4	0.484353	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0044 38	EPHA4	receptor A4	0.861561	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology			EPH		
siRNA-Vinblastine Run2-DMSO	NM_0044 38	EPHA4	receptor A4	1.212257	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0044 39	EPHA5	receptor A5	-0.891791	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0044 39	EPHA5	receptor A5	-0.781581	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0044 39	EPHA5	receptor A5	-0.567419	Inlier
siRNA Disorazole DMSO Run2	NM_0044 39	EPHA5	receptor A5	-0.354671	Inlier
siRNA Disorazole DMSO Run1	NM_0044 39	EPHA5	receptor A5	0.354671	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0044 39	EPHA5	receptor A5	0.358517	Inlier
siRNA Disorazole DMSO Run3	NM_0044 39	EPHA5	receptor A5	0.814311	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0044 39	EPHA5	receptor A5	1.446383	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0044 40	EPHA7	receptor A7	-2.422903	Inlier
siRNA Disorazole DMSO Run2	NM_0044 40	EPHA7	receptor A7	-0.769802	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0044 40	EPHA7	receptor A7	-0.668179	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0044 40	EPHA7	receptor A7	-0.39529	Inlier
siRNA Disorazole DMSO Run3	NM_0044 40	EPHA7	receptor A7	0.395291	Inlier
siRNA Disorazole DMSO Run1	NM_0044 40	EPHA7	receptor A7	0.412915	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0044 40	EPHA7	receptor A7	0.680821	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0044 40	EPHA7	receptor A7	1.793908	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			EPH	
			receptor	
siRNA Disorazole DMSO Run2	NM_0205 26	EPHA8	A8	-2.645842 Inlier
			EPH	
			receptor	
siRNA Disorazole DMSO Run3	NM_0205 26	EPHA8	A8	-0.671999 Inlier
			EPH	
			receptor	
siRNA-Temozolomide Run3- DMSO	NM_0205 26	EPHA8	A8	-0.583367 Inlier
			EPH	
			receptor	
siRNA-Temozolomide Run2- DMSO	NM_0205 26	EPHA8	A8	-0.163412 Inlier
			EPH	
			receptor	
siRNA-Vinblastine Run1- DMSO	NM_0205 26	EPHA8	A8	0.163412 Inlier
			EPH	
			receptor	
siRNA-Temozolomide Run1- DMSO	NM_0205 26	EPHA8	A8	0.677001 Inlier
			EPH	
			receptor	
siRNA Disorazole DMSO Run1	NM_0205 26	EPHA8	A8	0.73509 Inlier
			EPH	
			receptor	
siRNA-Vinblastine Run2- DMSO	NM_0205 26	EPHA8	A8	1.102182 Inlier
			EPH	
			receptor	
siRNA Disorazole DMSO Run2	NM_0044 41	EPHB1	B1	-1.708882 Inlier
			EPH	
			receptor	
siRNA-Temozolomide Run3- DMSO	NM_0044 41	EPHB1	B1	-1.073681 Inlier
			EPH	
			receptor	
siRNA-Temozolomide Run2- DMSO	NM_0044 41	EPHB1	B1	-0.41912 Inlier
			EPH	
			receptor	
siRNA Disorazole DMSO Run3	NM_0044 41	EPHB1	B1	-0.199214 Inlier
			EPH	
			receptor	
siRNA-Temozolomide Run1- DMSO	NM_0044 41	EPHB1	B1	0.199214 Inlier
			EPH	
			receptor	
siRNA Disorazole DMSO Run1	NM_0044 41	EPHB1	B1	0.576145 Inlier
			EPH	
			receptor	
siRNA-Vinblastine Run1- DMSO	NM_0044 41	EPHB1	B1	0.772855 Inlier
			EPH	
			receptor	
siRNA-Vinblastine Run2- DMSO	NM_0044 41	EPHB1	B1	2.293275 Inlier
			EPH	
			receptor	
siRNA-Temozolomide Run3- DMSO	NM_0174 49	EPHB2	B2	-1.12776 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			EPH	
			receptor	
siRNA Disorazole DMSO Run2	NM_0174 49	EPHB2	B2	-0.746011 Inlier
			EPH	
siRNA-Temozolomide Run2- DMSO	NM_0174 49	EPHB2	receptor B2	-0.714749 Inlier
			EPH	
siRNA-Vinblastine Run1- DMSO	NM_0174 49	EPHB2	receptor B2	-0.273874 Inlier
			EPH	
siRNA Disorazole DMSO Run1	NM_0174 49	EPHB2	receptor B2	0.273874 Inlier
			EPH	
siRNA Disorazole DMSO Run3	NM_0174 49	EPHB2	receptor B2	0.315404 Inlier
			EPH	
siRNA-Temozolomide Run1- DMSO	NM_0174 49	EPHB2	receptor B2	0.634251 Inlier
			EPH	
siRNA-Vinblastine Run2- DMSO	NM_0174 49	EPHB2	receptor B2	1.523393 Inlier
			EPH	
siRNA Disorazole DMSO Run2	NM_0044 43	EPHB3	receptor B3	-1.716053 Inlier
			EPH	
siRNA-Temozolomide Run2- DMSO	NM_0044 43	EPHB3	receptor B3	-1.332223 Inlier
			EPH	
siRNA Disorazole DMSO Run3	NM_0044 43	EPHB3	receptor B3	-1.007555 Inlier
			EPH	
siRNA-Temozolomide Run3- DMSO	NM_0044 43	EPHB3	receptor B3	-0.105151 Inlier
			EPH	
siRNA-Temozolomide Run1- DMSO	NM_0044 43	EPHB3	receptor B3	0.105151 Inlier
			EPH	
siRNA Disorazole DMSO Run1	NM_0044 43	EPHB3	receptor B3	0.232715 Inlier
			EPH	
siRNA-Vinblastine Run1- DMSO	NM_0044 43	EPHB3	receptor B3	0.569334 Inlier
			EPH	
siRNA-Vinblastine Run2- DMSO	NM_0044 43	EPHB3	receptor B3	0.779666 Inlier
			EPH	
siRNA-Temozolomide Run3- DMSO	NM_0044 44	EPHB4	receptor B4	-1.085766 Inlier
			EPH	
siRNA Disorazole DMSO Run2	NM_0044 44	EPHB4	receptor B4	-0.443281 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			EPH	
			receptor	
siRNA Disorazole DMSO Run3	NM_0044 44	EPHB4	B4	-0.403217 Inlier
			EPH	
siRNA-Temozolomide Run2- DMSO	NM_0044 44	EPHB4	B4	-0.115257 Inlier
			EPH	
siRNA-Temozolomide Run1- DMSO	NM_0044 44	EPHB4	B4	0.115257 Inlier
			EPH	
siRNA Disorazole DMSO Run1	NM_0044 44	EPHB4	B4	0.905719 Inlier
			EPH	
siRNA-Vinblastine Run1- DMSO	NM_0044 44	EPHB4	B4	1.544112 Inlier
			EPH	
siRNA-Vinblastine Run2- DMSO	NM_0044 44	EPHB4	B4	1.554885 Inlier
			EPH	
siRNA-Temozolomide Run3- DMSO	NM_0044 45	EPHB6	B6	-1.238562 Inlier
			EPH	
siRNA-Temozolomide Run2- DMSO	NM_0044 45	EPHB6	B6	-0.696675 Inlier
			EPH	
siRNA-Temozolomide Run1- DMSO	NM_0044 45	EPHB6	B6	-0.637839 Inlier
			EPH	
siRNA Disorazole DMSO Run1	NM_0044 45	EPHB6	B6	-0.298167 Inlier
			EPH	
siRNA-Vinblastine Run1- DMSO	NM_0044 45	EPHB6	B6	0.298167 Inlier
			EPH	
siRNA Disorazole DMSO Run3	NM_0044 45	EPHB6	B6	0.652324 Inlier
			EPH	
siRNA Disorazole DMSO Run2	NM_0044 45	EPHB6	B6	0.729788 Inlier
			EPH	
siRNA-Vinblastine Run2- DMSO	NM_0044 45	EPHB6	B6	0.97693 Inlier
			epoxide	
			hydrolase	
			1,	
			microsom	
			al	
siRNA-Temozolomide Run2- DMSO	NM_0001 20	EPHX1	(xenobiotic)	-1.195244 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	EC Number	Value	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_000120	EPHX1	epoxide hydrolase 1, microsomal (xenobiotic)	-0.923011	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000120	EPHX1	epoxide hydrolase 1, microsomal (xenobiotic)	-0.903738	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000120	EPHX1	epoxide hydrolase 1, microsomal (xenobiotic)	-0.017185	Inlier
siRNA Disorazole DMSO Run1	NM_000120	EPHX1	epoxide hydrolase 1, microsomal (xenobiotic)	0.017185	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000120	EPHX1	epoxide hydrolase 1, microsomal (xenobiotic)	0.276063	Inlier
siRNA Disorazole DMSO Run3	NM_000120	EPHX1	epoxide hydrolase 1, microsomal (xenobiotic)	0.445262	Inlier
siRNA Disorazole DMSO Run2	NM_000120	EPHX1	epoxide hydrolase 1, microsomal (xenobiotic)	1.50382	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_001979	EPHX2	epoxide hydrolase 2, cytoplasmic	-1.410734	Inlier
siRNA Disorazole DMSO Run3	NM_001979	EPHX2	epoxide hydrolase 2, cytoplasmic	-0.985538	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001979	EPHX2	epoxide hydrolase 2, cytoplasmic	-0.288437	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001979	EPHX2	epoxide hydrolase 2, cytoplasmic	-0.193549	Inlier
siRNA Disorazole DMSO Run1	NM_001979	EPHX2	epoxide hydrolase 2, cytoplasmic	0.193549	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001979	EPHX2	epoxide hydrolase 2, cytoplasmic	0.363462	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001979	EPHX2	epoxide hydrolase 2, cytoplasmic	2.468236	Inlier
siRNA Disorazole DMSO Run2	NM_001979	EPHX2	epoxide hydrolase 2, cytoplasmic	3.259834	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005670	EPM2A	epilepsy, progressive myoclonus type 2A, Lafora disease (laforin)	-1.52458	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_005670	EPM2A	epilepsy, progressive myoclonus type 2A, Lafora disease (laforin)	-1.241554	Inlier
siRNA Disorazole DMSO Run2	NM_005670	EPM2A	epilepsy, progressive myoclonus type 2A, Lafora disease (laforin)	-1.063035	Inlier
siRNA Disorazole DMSO Run3	NM_005670	EPM2A	epilepsy, progressive myoclonus type 2A, Lafora disease (laforin)	-0.184101	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005670	EPM2A	epilepsy, progressive myoclonus type 2A, Lafora disease (laforin)	0.184101	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005670	EPM2A	epilepsy, progressive myoclonus type 2A, Lafora disease (laforin)	0.218528	Inlier
siRNA Disorazole DMSO Run1	NM_005670	EPM2A	epilepsy, progressive myoclonus type 2A, Lafora disease (laforin)	0.394368	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_005670	EPM2A	epilepsy, progressive myoclonus type 2A, Lafora disease (laforin)	0.954632	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000121	EPOR	erythropoietin receptor	-2.450086	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000121	EPOR	erythropoietin receptor	-0.62789	Inlier
siRNA Disorazole DMSO Run1	NM_000121	EPOR	erythropoietin receptor	-0.137201	Inlier
siRNA Disorazole DMSO Run3	NM_000121	EPOR	erythropoietin receptor	-0.109946	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000121	EPOR	erythropoietin receptor	0.109946	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000121	EPOR	erythropoietin receptor	0.72111	Inlier
siRNA Disorazole DMSO Run2	NM_000121	EPOR	erythropoietin receptor	2.252104	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000121	EPOR	erythropoietin receptor	2.652483	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004446	EPRS	glutamyl-prolyl-tRNA synthetase	-1.393101	Inlier
siRNA Disorazole DMSO Run1	NM_004446	EPRS	glutamyl-prolyl-tRNA synthetase	-0.72765	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004446	EPRS	glutamyl-prolyl-tRNA synthetase	-0.537442	Inlier
siRNA Disorazole DMSO Run3	NM_004446	EPRS	glutamyl-prolyl-tRNA synthetase	-0.252035	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0044 46	EPRS	glutamyl-prolyl-tRNA synthetase	0.252034	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0044 46	EPRS	glutamyl-prolyl-tRNA synthetase	0.62135	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0044 46	EPRS	glutamyl-prolyl-tRNA synthetase	3.767645	Outlier
siRNA Disorazole DMSO Run2	NM_0044 46	EPRS	glutamyl-prolyl-tRNA synthetase	4.091704	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0005 02	EPX	eosinophil peroxidase	-1.532519	Inlier
siRNA Disorazole DMSO Run3	NM_0005 02	EPX	eosinophil peroxidase	-0.698265	Inlier
siRNA Disorazole DMSO Run1	NM_0005 02	EPX	eosinophil peroxidase	-0.650735	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0005 02	EPX	eosinophil peroxidase	-0.116867	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0005 02	EPX	eosinophil peroxidase	0.116868	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0005 02	EPX	eosinophil peroxidase	0.162705	Inlier
siRNA Disorazole DMSO Run2	NM_0005 02	EPX	eosinophil peroxidase	0.791003	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0005 02	EPX	eosinophil peroxidase	1.251979	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

			v-erb-b2 erythrobla stic leukemia viral oncogene homolog 2, neuro/glio blastoma derived oncogene homolog (avian)	-1.264206	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0044 48	ERBB2	v-erb-b2 erythrobla stic leukemia viral oncogene homolog 2, neuro/glio blastoma derived oncogene homolog (avian)	-1.192796	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0044 48	ERBB2	v-erb-b2 erythrobla stic leukemia viral oncogene homolog 2, neuro/glio blastoma derived oncogene homolog (avian)	-0.54539	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0044 48	ERBB2			

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

				v-erb-b2 erythrobla stic leukemia viral oncogene homolog 2, neuro/glio blastoma derived oncogene homolog (avian)	-0.042056	Inlier
siRNA Disorazole DMSO Run3	NM_0044 48	ERBB2		v-erb-b2 erythrobla stic leukemia viral oncogene homolog 2, neuro/glio blastoma derived oncogene homolog (avian)	0.042057	Inlier
siRNA Disorazole DMSO Run1	NM_0044 48	ERBB2		v-erb-b2 erythrobla stic leukemia viral oncogene homolog 2, neuro/glio blastoma derived oncogene homolog (avian)	0.490455	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0044 48	ERBB2				

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

				v-erb-b2 erythrobla stic leukemia viral oncogene homolog 2, neuro/glio blastoma derived oncogene homolog (avian)	0.80361	Inlier
siRNA Disorazole DMSO Run2	NM_0044 48	ERBB2		v-erb-b2 erythrobla stic leukemia viral oncogene homolog 2, neuro/glio blastoma derived oncogene homolog (avian)	1.481031	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0044 48	ERBB2		v-erb-b2 erythrobla stic leukemia viral oncogene homolog 3 (avian)	-1.187191	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0019 82	ERBB3		v-erb-b2 erythrobla stic leukemia viral oncogene homolog 3 (avian)	-0.823491	Inlier
siRNA Disorazole DMSO Run2	NM_0019 82	ERBB3		v-erb-b2 erythrobla stic leukemia viral oncogene homolog 3 (avian)	-0.506094	Inlier
siRNA Disorazole DMSO Run3	NM_0019 82	ERBB3				

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

				v-erb-b2 erythrobla stic leukemia viral oncogene homolog 3 (avian)	
siRNA-Temozolomide Run2- DMSO	NM_0019 82	ERBB3		v-erb-b2 erythrobla stic leukemia viral oncogene homolog 3 (avian)	-0.494434 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0019 82	ERBB3		v-erb-b2 erythrobla stic leukemia viral oncogene homolog 3 (avian)	0.494434 Inlier
siRNA Disorazole DMSO Run1	NM_0019 82	ERBB3		v-erb-b2 erythrobla stic leukemia viral oncogene homolog 3 (avian)	0.525509 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0019 82	ERBB3		v-erb-b2 erythrobla stic leukemia viral oncogene homolog 3 (avian)	1.312669 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0019 82	ERBB3		v-erb-a erythrobla stic leukemia viral oncogene homolog 3 (avian)	1.478355 Inlier
siRNA Disorazole DMSO Run2	NM_0052 35	ERBB4		oncogene homolog 4 (avian)	-1.566304 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Category	Score	Outlier Status
siRNA-Temozolomide Run1-DMSO	NM_005235	ERBB4	v-erb-a erythroblastic leukemia viral oncogene homolog 4 (avian)	-0.611669	Inlier
siRNA Disorazole DMSO Run1	NM_005235	ERBB4	v-erb-a erythroblastic leukemia viral oncogene homolog 4 (avian)	-0.079753	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005235	ERBB4	v-erb-a erythroblastic leukemia viral oncogene homolog 4 (avian)	-0.031123	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005235	ERBB4	v-erb-a erythroblastic leukemia viral oncogene homolog 4 (avian)	0.031124	Inlier
siRNA Disorazole DMSO Run3	NM_005235	ERBB4	v-erb-a erythroblastic leukemia viral oncogene homolog 4 (avian)	0.737331	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005235	ERBB4	v-erb-a erythroblastic leukemia viral oncogene homolog 4 (avian)	0.979285	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			v-erb-a erythrobla stic leukemia viral oncogene homolog 4 (avian)	1.289659	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0052 35	ERBB4			

			excision repair cross- compleme nting rodent repair deficiency, compleme ntation group 1 (includes overlappin g antisense sequence)	-1.918208	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0019 83	ERCC1			

			excision repair cross- compleme nting rodent repair deficiency, compleme ntation group 1 (includes overlappin g antisense sequence)	-1.664562	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0019 83	ERCC1			

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

				excision repair cross- compleme nting rodent repair deficiency, compleme ntation group 1 (includes overlappin g antisense sequence)	
siRNA-Temozolomide Run1- DMSO	NM_0019 83	ERCC1			-0.387505 Inlier

				excision repair cross- compleme nting rodent repair deficiency, compleme ntation group 1 (includes overlappin g antisense sequence)	
siRNA Disorazole DMSO Run3	NM_0019 83	ERCC1			-0.009242 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			excision repair cross- compleme nting rodent repair deficiency, compleme ntation group 1 (includes overlappin g	
siRNA-Vinblastine Run2- DMSO	NM_0019 83	ERCC1	antisense sequence)	0.009242 Inlier

			excision repair cross- compleme nting rodent repair deficiency, compleme ntation group 1 (includes overlappin g	
siRNA Disorazole DMSO Run1	NM_0019 83	ERCC1	antisense sequence)	0.147201 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

			excision repair cross- compleme nting rodent repair deficiency, compleme ntation group 1 (includes overlappin g antisense sequence)	0.961495	Inlier
siRNA Disorazole DMSO Run2	NM_0019 83	ERCC1			
			excision repair cross- compleme nting rodent repair deficiency, compleme ntation group 1 (includes overlappin g antisense sequence)	1.178442	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0019 83	ERCC1	Ets2		
siRNA-Temozolomide Run3- DMSO	NM_0064 94	ERF	repressor factor	-1.317998	Inlier
			Ets2		
siRNA Disorazole DMSO Run2	NM_0064 94	ERF	repressor factor	-0.986938	Inlier
			Ets2		
siRNA-Temozolomide Run2- DMSO	NM_0064 94	ERF	repressor factor	-0.15954	Inlier
			Ets2		
siRNA-Temozolomide Run1- DMSO	NM_0064 94	ERF	repressor factor	-0.052827	Inlier
			Ets2		
siRNA Disorazole DMSO Run3	NM_0064 94	ERF	repressor factor	0.052827	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Protein	Function	Log2 Fold Change	Outlier Status
siRNA Disorazole DMSO Run1	NM_0064 94	ERF	Ets2 repressor factor	0.477458	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0064 94	ERF	Ets2 repressor factor	0.871542	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0064 94	ERF	Ets2 repressor factor	0.920148	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1390 21	ERK8	mitogen-activated protein kinase 15	-1.472113	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1390 21	ERK8	mitogen-activated protein kinase 15	-0.609884	Inlier
siRNA Disorazole DMSO Run3	NM_1390 21	ERK8	mitogen-activated protein kinase 15	-0.175417	Inlier
siRNA Disorazole DMSO Run2	NM_1390 21	ERK8	mitogen-activated protein kinase 15	-0.123878	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1390 21	ERK8	mitogen-activated protein kinase 15	0.123877	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1390 21	ERK8	mitogen-activated protein kinase 15	0.739116	Inlier
siRNA Disorazole DMSO Run1	NM_1390 21	ERK8	mitogen-activated protein kinase 15	1.18936	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1390 21	ERK8	mitogen-activated protein kinase 15	2.888551	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0185 38	ERMAP	erythroblast membrane-associated protein	-1.422117	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_018538	ERMAP	erythroblast membrane-associated protein	-0.535211	Inlier
siRNA Disorazole DMSO Run3	NM_018538	ERMAP	erythroblast membrane-associated protein	-0.063505	Inlier
siRNA-Temozolomide Run1-DMSO	NM_018538	ERMAP	erythroblast membrane-associated protein	-0.061108	Inlier
siRNA-Vinblastine Run2-DMSO	NM_018538	ERMAP	erythroblast membrane-associated protein	0.061108	Inlier
siRNA Disorazole DMSO Run1	NM_018538	ERMAP	erythroblast membrane-associated protein	0.813789	Inlier
siRNA Disorazole DMSO Run2	NM_018538	ERMAP	erythroblast membrane-associated protein	1.818541	Inlier
siRNA-Vinblastine Run1-DMSO	NM_018538	ERMAP	erythroblast membrane-associated protein	1.974821	Inlier
siRNA Disorazole DMSO Run2	NM_001433	ERN1	endoplasmic reticulum to nucleus signalling 1	-0.735086	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_001433	ERN1	endoplasmic reticulum to nucleus signalling 1	-0.613914	Inlier
siRNA Disorazole DMSO Run3	NM_001433	ERN1	endoplasmic reticulum to nucleus signalling 1	-0.371299	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001433	ERN1	endoplasmic reticulum to nucleus signalling 1	-0.113546	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001433	ERN1	endoplasmic reticulum to nucleus signalling 1	0.113546	Inlier
siRNA Disorazole DMSO Run1	NM_001433	ERN1	endoplasmic reticulum to nucleus signalling 1	0.821681	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001433	ERN1	endoplasmic reticulum to nucleus signalling 1	1.177664	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001433	ERN1	endoplasmic reticulum to nucleus signalling 1	1.206196	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0332 66	ERN2	endoplasmic reticulum to nucleus signalling 2	-1.869957	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0332 66	ERN2	endoplasmic reticulum to nucleus signalling 2	-0.881482	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0332 66	ERN2	endoplasmic reticulum to nucleus signalling 2	-0.772807	Inlier
siRNA Disorazole DMSO Run2	NM_0332 66	ERN2	endoplasmic reticulum to nucleus signalling 2	-0.188408	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0332 66	ERN2	endoplasmic reticulum to nucleus signalling 2	0.188408	Inlier
siRNA Disorazole DMSO Run1	NM_0332 66	ERN2	endoplasmic reticulum to nucleus signalling 2	0.482948	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0332 66	ERN2	endoplasmic reticulum to nucleus signalling 2	0.576193	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0332 66	ERN2	endoplasmic reticulum to nucleus signalling 2	0.819521	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0049 11	ERP70	protein disulfide isomerase family A, member 4	-1.431218	Inlier
siRNA Disorazole DMSO Run3	NM_0049 11	ERP70	protein disulfide isomerase family A, member 4	-0.823426	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0049 11	ERP70	protein disulfide isomerase family A, member 4	-0.657107	Inlier
siRNA Disorazole DMSO Run1	NM_0049 11	ERP70	protein disulfide isomerase family A, member 4	-0.050367	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0049 11	ERP70	protein disulfide isomerase family A, member 4	0.050367	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0049 11	ERP70	protein disulfide isomerase family A, member 4	0.396536	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0049 11	ERP70	protein disulfide isomerase family A, member 4	0.691893	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0049 11	ERP70	protein disulfide isomerase family A, member 4	1.198048	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0019 84	ESD	esterase D/formylgl utathione hydrolase	-0.895916	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0019 84	ESD	esterase D/formylgl utathione hydrolase	-0.805276	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0019 84	ESD	esterase D/formylgl utathione hydrolase	-0.157567	Inlier
siRNA Disorazole DMSO Run1	NM_0019 84	ESD	esterase D/formylgl utathione hydrolase	-0.013081	Inlier
siRNA Disorazole DMSO Run3	NM_0019 84	ESD	esterase D/formylgl utathione hydrolase	0.013081	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0019 84	ESD	esterase D/formylgl utathione hydrolase	0.543724	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0019 84	ESD	esterase D/formylgl utathione hydrolase	0.991909	Inlier
siRNA Disorazole DMSO Run2	NM_0019 84	ESD	esterase D/formylgl utathione hydrolase	1.174579	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0122 91	ESPL1	extra spindle poles like 1 (S. cerevisiae)	-0.880662	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0122 91	ESPL1	extra spindle poles like 1 (S. cerevisiae)	-0.743293	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0122 91	ESPL1	extra spindle poles like 1 (S. cerevisiae)	-0.423215	Inlier
siRNA Disorazole DMSO Run3	NM_0122 91	ESPL1	extra spindle poles like 1 (S. cerevisiae)	-0.241451	Inlier
siRNA Disorazole DMSO Run1	NM_0122 91	ESPL1	extra spindle poles like 1 (S. cerevisiae)	0.241451	Inlier
siRNA Disorazole DMSO Run2	NM_0122 91	ESPL1	extra spindle poles like 1 (S. cerevisiae)	0.605707	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0122 91	ESPL1	extra spindle poles like 1 (S. cerevisiae)	1.210412	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0122 91	ESPL1	extra spindle poles like 1 (S. cerevisiae)	1.368994	Inlier
siRNA Disorazole DMSO Run3	NM_0001 25	ESR1	estrogen receptor 1	-0.804363	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0001 25	ESR1	estrogen receptor 1	-0.696092	Inlier
siRNA Disorazole DMSO Run2	NM_0001 25	ESR1	estrogen receptor 1	-0.642559	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0001 25	ESR1	estrogen receptor 1	-0.337183	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0001 25	ESR1	estrogen receptor 1	0.337183	Inlier
siRNA Disorazole DMSO Run1	NM_0001 25	ESR1	estrogen receptor 1	0.652908	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0001 25	ESR1	estrogen receptor 1	0.746562	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0001 25	ESR1	estrogen receptor 1	0.976411	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0014 37	ESR2	estrogen receptor 2 (ER beta)	-2.394909	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0014 37	ESR2	estrogen receptor 2 (ER beta)	-2.384701	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0014 37	ESR2	estrogen receptor 2 (ER beta)	-0.707809	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0014 37	ESR2	estrogen receptor 2 (ER beta)	-0.055127	Inlier
siRNA Disorazole DMSO Run1	NM_0014 37	ESR2	estrogen receptor 2 (ER beta)	0.055127	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0014 37	ESR2	estrogen receptor 2 (ER beta)	0.102231	Inlier
siRNA Disorazole DMSO Run3	NM_0014 37	ESR2	estrogen receptor 2 (ER beta)	0.641191	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0014 37	ESR2	estrogen- related receptor 2 (ER beta)	0.872778	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0044 51	ESRRA	estrogen- related receptor alpha	-0.966328	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0044 51	ESRRA	estrogen- related receptor alpha	-0.382672	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0044 51	ESRRA	estrogen- related receptor alpha	-0.361828	Inlier
siRNA Disorazole DMSO Run3	NM_0044 51	ESRRA	estrogen- related receptor alpha	-0.043641	Inlier
siRNA Disorazole DMSO Run1	NM_0044 51	ESRRA	estrogen- related receptor alpha	0.043641	Inlier
siRNA Disorazole DMSO Run2	NM_0044 51	ESRRA	estrogen- related receptor alpha	1.169637	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0044 51	ESRRA	estrogen- related receptor alpha	1.650895	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0044 51	ESRRA	estrogen-related receptor alpha	2.16661	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0044 52	ESRRB	estrogen-related receptor beta	-2.131715	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0044 52	ESRRB	estrogen-related receptor beta	-1.58208	Inlier
siRNA Disorazole DMSO Run2	NM_0044 52	ESRRB	estrogen-related receptor beta	-1.067808	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0044 52	ESRRB	estrogen-related receptor beta	-0.039812	Inlier
siRNA Disorazole DMSO Run3	NM_0044 52	ESRRB	estrogen-related receptor beta	0.039812	Inlier
siRNA Disorazole DMSO Run1	NM_0044 52	ESRRB	estrogen-related receptor beta	0.363071	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0044 52	ESRRB	estrogen-related receptor beta	0.380647	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0044 52	ESRRB	estrogen-related receptor beta	0.968353	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0180 10	ESRRBL1	estrogen-related receptor beta like 1	-2.206581	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0180 10	ESRRBL1	estrogen-related receptor beta like 1	-0.584849	Inlier
siRNA Disorazole DMSO Run3	NM_0180 10	ESRRBL1	estrogen-related receptor beta like 1	-0.584627	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0180 10	ESRRBL1	estrogen- related receptor beta like 1	-0.291098	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0180 10	ESRRBL1	estrogen- related receptor beta like 1	0.291098	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0180 10	ESRRBL1	estrogen- related receptor beta like 1	0.764151	Inlier
siRNA Disorazole DMSO Run2	NM_0180 10	ESRRBL1	estrogen- related receptor beta like 1	1.750882	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0180 10	ESRRBL1	estrogen- related receptor beta like 1	3.587308	Outlier
siRNA Disorazole DMSO Run3	NM_2065 95	ESRRG	estrogen- related receptor gamma	-1.025288	Inlier
siRNA-Temozolomide Run3- DMSO	NM_2065 95	ESRRG	estrogen- related receptor gamma	-0.939202	Inlier
siRNA-Temozolomide Run2- DMSO	NM_2065 95	ESRRG	estrogen- related receptor gamma	-0.409798	Inlier
siRNA Disorazole DMSO Run2	NM_2065 95	ESRRG	estrogen- related receptor gamma	-0.342579	Inlier
siRNA-Temozolomide Run1- DMSO	NM_2065 95	ESRRG	estrogen- related receptor gamma	0.342579	Inlier
siRNA Disorazole DMSO Run1	NM_2065 95	ESRRG	estrogen- related receptor gamma	0.357039	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_2065 95	ESRRG	estrogen-related receptor gamma	1.254626	Inlier
siRNA-Vinblastine Run2-DMSO	NM_2065 95	ESRRG	estrogen-related receptor gamma	1.936331	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1833 75	ESSPL	ESSPL	-0.890654	Inlier
siRNA Disorazole DMSO Run1	NM_1833 75	ESSPL	ESSPL	-0.530586	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1833 75	ESSPL	ESSPL	-0.152482	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1833 75	ESSPL	ESSPL	-0.028605	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1833 75	ESSPL	ESSPL	0.028605	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1833 75	ESSPL	ESSPL	0.818414	Inlier
siRNA Disorazole DMSO Run3	NM_1833 75	ESSPL	ESSPL	1.090733	Inlier
siRNA Disorazole DMSO Run2	NM_1833 75	ESSPL	ESSPL	2.541432	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0001 26	ETFA	electron-transfer-flavoprotein, alpha polypeptide (glutaric aciduria II)	-0.725739	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0001 26	ETFA	electron-transfer-flavoprotein, alpha polypeptide (glutaric aciduria II)	-0.623261	Inlier
siRNA Disorazole DMSO Run1	NM_0001 26	ETFA	electron-transfer-flavoprotein, alpha polypeptide (glutaric aciduria II)	-0.421289	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0001 26	ETFA	electron-transfer-flavoprotein, alpha polypeptide (glutaric aciduria II)	-0.200003	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_000126	ETFA	electron-transfer-flavoprotein, alpha polypeptide (glutaric aciduria II)	0.200002	Inlier
siRNA Disorazole DMSO Run3	NM_000126	ETFA	electron-transfer-flavoprotein, alpha polypeptide (glutaric aciduria II)	1.044197	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000126	ETFA	electron-transfer-flavoprotein, alpha polypeptide (glutaric aciduria II)	1.051184	Inlier
siRNA Disorazole DMSO Run2	NM_000126	ETFA	electron-transfer-flavoprotein, alpha polypeptide (glutaric aciduria II)	1.867264	Inlier
siRNA Disorazole DMSO Run3	NM_001985	ETFB	electron-transfer-flavoprotein, beta polypeptide	-2.25802	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001985	ETFB	electron-transfer-flavoprotein, beta polypeptide	-1.089641	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001985	ETFB	electron-transfer-flavoprotein, beta polypeptide	-0.259359	Inlier
siRNA Disorazole DMSO Run1	NM_001985	ETFB	electron-transfer-flavoprotein, beta polypeptide	-0.033249	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_001985	ETFB	electron-transfer-flavoprotein, beta polypeptide	0.033249	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001985	ETFB	electron-transfer-flavoprotein, beta polypeptide	0.150401	Inlier
siRNA Disorazole DMSO Run2	NM_001985	ETFB	electron-transfer-flavoprotein, beta polypeptide	2.520216	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001985	ETFB	electron-transfer-flavoprotein, beta polypeptide	2.689399	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004453	ETFDH	electron-transferrin-g-flavoprotein dehydrogenase	-1.24416	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004453	ETFDH	electron-transferrin-g-flavoprotein dehydrogenase	-1.238271	Inlier
siRNA Disorazole DMSO Run1	NM_004453	ETFDH	electron-transferrin-g-flavoprotein dehydrogenase	-0.428315	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004453	ETFDH	electron-transferrin-g-flavoprotein dehydrogenase	-0.379746	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0044 53	ETFDH	electron-transferrin g- flavoprotein dehydrogenase	0.379746	Inlier
siRNA Disorazole DMSO Run3	NM_0044 53	ETFDH	electron-transferrin g- flavoprotein dehydrogenase	0.51827	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0044 53	ETFDH	electron-transferrin g- flavoprotein dehydrogenase	0.83073	Inlier
siRNA Disorazole DMSO Run2	NM_0044 53	ETFDH	electron-transferrin g- flavoprotein dehydrogenase	1.430995	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0186 38	ETNK1	ethanolamine kinase 1	-0.703404	Inlier
siRNA Disorazole DMSO Run2	NM_0186 38	ETNK1	ethanolamine kinase 1	-0.645596	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0186 38	ETNK1	ethanolamine kinase 1	-0.24012	Inlier
siRNA Disorazole DMSO Run3	NM_0186 38	ETNK1	ethanolamine kinase 1	-0.007432	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0186 38	ETNK1	ethanolamine kinase 1	0.007433	Inlier
siRNA Disorazole DMSO Run1	NM_0186 38	ETNK1	ethanolamine kinase 1	0.947127	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0186 38	ETNK1	ethanolamine kinase 1	1.212041	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0186 38	ETNK1	ethanolamine kinase 1	1.26063	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology				ethanolam	
siRNA-Temozolomide Run3-DMSO	NM_0182 08	ETNK2	2	ine kinase	-0.74091 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0182 08	ETNK2	2	ethanolam ine kinase	-0.60809 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0182 08	ETNK2	2	ethanolam ine kinase	-0.349518 Inlier
siRNA Disorazole DMSO Run2	NM_0182 08	ETNK2	2	ethanolam ine kinase	-0.054089 Inlier
siRNA Disorazole DMSO Run3	NM_0182 08	ETNK2	2	ethanolam ine kinase	0.054089 Inlier
siRNA Disorazole DMSO Run1	NM_0182 08	ETNK2	2	ethanolam ine kinase	1.760021 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0182 08	ETNK2	2	ethanolam ine kinase	2.175256 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0182 08	ETNK2	2	ethanolam ine kinase	2.286583 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0060 27	EXO1	1	exonuclea se 1	-1.305854 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0060 27	EXO1	1	exonuclea se 1	-0.786722 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0060 27	EXO1	1	exonuclea se 1	-0.356439 Inlier
siRNA Disorazole DMSO Run3	NM_0060 27	EXO1	1	exonuclea se 1	-0.354079 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0060 27	EXO1	1	exonuclea se 1	0.354079 Inlier
siRNA Disorazole DMSO Run1	NM_0060 27	EXO1	1	exonuclea se 1	0.562278 Inlier
siRNA Disorazole DMSO Run2	NM_0060 27	EXO1	1	exonuclea se 1	0.815973 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0060 27	EXO1	1	exonuclea se 1	1.098115 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0001 27	EXT1	1	exostoses (multiple)	-0.779628 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0001 27	EXT1	1	exostoses (multiple)	-0.569372 Inlier
siRNA Disorazole DMSO Run1	NM_0001 27	EXT1	1	exostoses (multiple)	-0.077489 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0001 27	EXT1	exostoses (multiple) 1	-0.000592	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0001 27	EXT1	exostoses (multiple) 1	0.000591	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0001 27	EXT1	exostoses (multiple) 1	0.837772	Inlier
siRNA Disorazole DMSO Run3	NM_0001 27	EXT1	exostoses (multiple) 1	0.859645	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0001 27	EXT1	exostoses (multiple) 1	1.011898	Inlier
siRNA-Temozolomide Run2- DMSO	NM_2071 22	EXT2	exostoses (multiple) 2	-0.868782	Inlier
siRNA Disorazole DMSO Run1	NM_2071 22	EXT2	exostoses (multiple) 2	-0.789728	Inlier
siRNA-Temozolomide Run1- DMSO	NM_2071 22	EXT2	exostoses (multiple) 2	-0.705181	Inlier
siRNA-Vinblastine Run2- DMSO	NM_2071 22	EXT2	exostoses (multiple) 2	-0.038376	Inlier
siRNA Disorazole DMSO Run3	NM_2071 22	EXT2	exostoses (multiple) 2	0.038375	Inlier
siRNA-Temozolomide Run3- DMSO	NM_2071 22	EXT2	exostoses (multiple) 2	0.075931	Inlier
siRNA Disorazole DMSO Run2	NM_2071 22	EXT2	exostoses (multiple) 2	0.643819	Inlier
siRNA-Vinblastine Run1- DMSO	NM_2071 22	EXT2	exostoses (multiple) 2	1.162881	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0044 55	EXTL1	exostoses (multiple)- like 1	-1.531435	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0044 55	EXTL1	exostoses (multiple)- like 1	-1.118803	Inlier
siRNA Disorazole DMSO Run1	NM_0044 55	EXTL1	exostoses (multiple)- like 1	-0.230197	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0044 55	EXTL1	exostoses (multiple)- like 1	-0.007902	Inlier
siRNA Disorazole DMSO Run3	NM_0044 55	EXTL1	exostoses (multiple)- like 1	0.007902	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0044 55	EXTL1	exostoses (multiple)- like 1	0.218365	Inlier
siRNA Disorazole DMSO Run2	NM_0044 55	EXTL1	exostoses (multiple)- like 1	2.264282	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0044 55	EXTL1	exostoses (multiple)- like 1	3.619907	Outlier
siRNA-Temozolomide Run1-DMSO	NM_0014 39	EXTL2	exostoses (multiple)- like 2	-1.173764	Inlier
siRNA Disorazole DMSO Run1	NM_0014 39	EXTL2	exostoses (multiple)- like 2	-0.846819	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0014 39	EXTL2	exostoses (multiple)- like 2	-0.359941	Inlier
siRNA Disorazole DMSO Run3	NM_0014 39	EXTL2	exostoses (multiple)- like 2	-0.150171	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0014 39	EXTL2	exostoses (multiple)- like 2	0.150171	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0014 39	EXTL2	exostoses (multiple)- like 2	0.502181	Inlier
siRNA Disorazole DMSO Run2	NM_0014 39	EXTL2	exostoses (multiple)- like 2	1.663241	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0014 39	EXTL2	exostoses (multiple)- like 2	3.388213	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0014 40	EXTL3	exostoses (multiple)- like 3	-1.269103	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0014 40	EXTL3	exostoses (multiple)- like 3	-1.138502	Inlier
siRNA Disorazole DMSO Run1	NM_0014 40	EXTL3	exostoses (multiple)- like 3	-0.430009	Inlier
siRNA Disorazole DMSO Run3	NM_0014 40	EXTL3	exostoses (multiple)- like 3	-0.191302	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0014 40	EXTL3	exostoses (multiple)- like 3	0.191302	Inlier
siRNA Disorazole DMSO Run2	NM_0014 40	EXTL3	exostoses (multiple)- like 3	0.673724	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0014 40	EXTL3	exostoses (multiple)- like 3	0.675276	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0014 40	EXTL3	exostoses (multiple)- like 3	1.578342	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1721 12	EYA2	eyes absent homolog 2 (Drosophil a)	-2.119716	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_1721 12	EYA2	eyes absent homolog 2 (Drosophila)	-1.355673 Inlier
siRNA Disorazole DMSO Run1	NM_1721 12	EYA2	eyes absent homolog 2 (Drosophila)	-0.499387 Inlier
siRNA-Temozolomide Run3-DMSO	NM_1721 12	EYA2	eyes absent homolog 2 (Drosophila)	-0.452354 Inlier
siRNA-Vinblastine Run1-DMSO	NM_1721 12	EYA2	eyes absent homolog 2 (Drosophila)	0.452353 Inlier
siRNA Disorazole DMSO Run3	NM_1721 12	EYA2	eyes absent homolog 2 (Drosophila)	0.562439 Inlier
siRNA-Vinblastine Run2-DMSO	NM_1721 12	EYA2	eyes absent homolog 2 (Drosophila)	0.786561 Inlier
siRNA Disorazole DMSO Run2	NM_1721 12	EYA2	eyes absent homolog 2 (Drosophila)	1.380496 Inlier
siRNA Disorazole DMSO Run3	NM_0005 04	F10	coagulation factor X	-2.961857 Inlier
siRNA Disorazole DMSO Run2	NM_0005 04	F10	coagulation factor X	-1.803325 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0005 04	F10	coagulation factor X	-0.591677 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0005 04	F10	coagulation factor X	-0.359859 Inlier
siRNA Disorazole DMSO Run1	NM_0005 04	F10	coagulation factor X	0.35986 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA-Temozolomide Run1- DMSO	NM_0005 04	F10	coagulation factor X	0.518135	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0005 04	F10	coagulation factor X	0.757323	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0005 04	F10	coagulation factor X	1.120118	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0001 28	F11	coagulation factor XI (plasma thromboplastin antecedent)	-0.990101	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0001 28	F11	coagulation factor XI (plasma thromboplastin antecedent)	-0.894715	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0001 28	F11	coagulation factor XI (plasma thromboplastin antecedent)	-0.366783	Inlier
siRNA Disorazole DMSO Run3	NM_0001 28	F11	coagulation factor XI (plasma thromboplastin antecedent)	-0.240318	Inlier
siRNA Disorazole DMSO Run1	NM_0001 28	F11	coagulation factor XI (plasma thromboplastin antecedent)	0.240318	Inlier
siRNA Disorazole DMSO Run2	NM_0001 28	F11	coagulation factor XI (plasma thromboplastin antecedent)	0.454285	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_000128	F11	coagulation factor XI (plasma thromboplastin antecedent)	1.515088	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000128	F11	coagulation factor XI (plasma thromboplastin antecedent)	1.704905	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000505	F12	coagulation factor XII (Hageman factor)	-1.018494	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000505	F12	coagulation factor XII (Hageman factor)	-0.781407	Inlier
siRNA Disorazole DMSO Run2	NM_000505	F12	coagulation factor XII (Hageman factor)	-0.348674	Inlier
siRNA Disorazole DMSO Run3	NM_000505	F12	coagulation factor XII (Hageman factor)	-0.194631	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000505	F12	coagulation factor XII (Hageman factor)	0.194631	Inlier
siRNA Disorazole DMSO Run1	NM_000505	F12	coagulation factor XII (Hageman factor)	0.567593	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000505	F12	coagulation factor XII (Hageman factor)	1.721697	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_000505	F12	coagulation factor XII (Hageman factor)	1.978271	Inlier
siRNA Disorazole DMSO Run1	NM_000129	F13A1	coagulation factor XIII, A1 polypeptide	-2.951459	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000129	F13A1	coagulation factor XIII, A1 polypeptide	-0.837266	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000129	F13A1	coagulation factor XIII, A1 polypeptide	-0.511734	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000129	F13A1	coagulation factor XIII, A1 polypeptide	-0.289178	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000129	F13A1	coagulation factor XIII, A1 polypeptide	0.289178	Inlier
siRNA Disorazole DMSO Run3	NM_000129	F13A1	coagulation factor XIII, A1 polypeptide	0.431401	Inlier
siRNA Disorazole DMSO Run2	NM_000129	F13A1	coagulation factor XIII, A1 polypeptide	1.237308	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000129	F13A1	coagulation factor XIII, A1 polypeptide	2.665678	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000506	F2	coagulation factor II (thrombin)	-0.763445	Inlier
siRNA Disorazole DMSO Run2	NM_000506	F2	coagulation factor II (thrombin)	-0.585555	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology			coagulation factor II (thrombin) receptor	
siRNA-Temozolomide Run2-DMSO	NM_000506	F2	coagulation factor II (thrombin) receptor	-0.430541 Inlier
siRNA Disorazole DMSO Run3	NM_000506	F2	coagulation factor II (thrombin) receptor	-0.233247 Inlier
siRNA-Temozolomide Run1-DMSO	NM_000506	F2	coagulation factor II (thrombin) receptor	0.233246 Inlier
siRNA Disorazole DMSO Run1	NM_000506	F2	coagulation factor II (thrombin) receptor	2.263733 Inlier
siRNA-Vinblastine Run2-DMSO	NM_000506	F2	coagulation factor II (thrombin) receptor	4.023744 Outlier
siRNA-Vinblastine Run1-DMSO	NM_000506	F2	coagulation factor II (thrombin) receptor	4.401541 Outlier
siRNA-Temozolomide Run2-DMSO	NM_001992	F2R	coagulation factor II (thrombin) receptor	-0.903798 Inlier
siRNA-Temozolomide Run3-DMSO	NM_001992	F2R	coagulation factor II (thrombin) receptor	-0.892654 Inlier
siRNA Disorazole DMSO Run2	NM_001992	F2R	coagulation factor II (thrombin) receptor	-0.860962 Inlier
siRNA Disorazole DMSO Run1	NM_001992	F2R	coagulation factor II (thrombin) receptor	-0.009542 Inlier
siRNA-Temozolomide Run1-DMSO	NM_001992	F2R	coagulation factor II (thrombin) receptor	0.009542 Inlier
siRNA Disorazole DMSO Run3	NM_001992	F2R	coagulation factor II (thrombin) receptor	0.139655 Inlier
siRNA-Vinblastine Run1-DMSO	NM_001992	F2R	coagulation factor II (thrombin) receptor	0.50272 Inlier
siRNA-Vinblastine Run2-DMSO	NM_001992	F2R	coagulation factor II (thrombin) receptor	0.84628 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0052 42	F2RL1	coagulation factor II (thrombin) receptor-like 1	-1.707006	Inlier
siRNA Disorazole DMSO Run3	NM_0052 42	F2RL1	coagulation factor II (thrombin) receptor-like 1	-1.078242	Inlier
siRNA Disorazole DMSO Run2	NM_0052 42	F2RL1	coagulation factor II (thrombin) receptor-like 1	-0.89076	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0052 42	F2RL1	coagulation factor II (thrombin) receptor-like 1	-0.280624	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0052 42	F2RL1	coagulation factor II (thrombin) receptor-like 1	0.280624	Inlier
siRNA Disorazole DMSO Run1	NM_0052 42	F2RL1	coagulation factor II (thrombin) receptor-like 1	0.290762	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0052 42	F2RL1	coagulation factor II (thrombin) receptor-like 1	0.588812	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0052 42	F2RL1	coagulation factor II (thrombin) receptor-like 1	0.760188	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0041 01	F2RL2	coagulation factor II (thrombin) receptor-like 2	-1.284526	Inlier
siRNA Disorazole DMSO Run2	NM_0041 01	F2RL2	coagulation factor II (thrombin) receptor-like 2	-0.51387	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Value	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_004101	F2RL2	coagulation factor II (thrombin) receptor-like 2	-0.324939	Inlier
siRNA Disorazole DMSO Run3	NM_004101	F2RL2	coagulation factor II (thrombin) receptor-like 2	-0.181393	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004101	F2RL2	coagulation factor II (thrombin) receptor-like 2	0.181393	Inlier
siRNA Disorazole DMSO Run1	NM_004101	F2RL2	coagulation factor II (thrombin) receptor-like 2	0.83513	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004101	F2RL2	coagulation factor II (thrombin) receptor-like 2	1.651924	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004101	F2RL2	coagulation factor II (thrombin) receptor-like 2	1.990717	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003950	F2RL3	coagulation factor II (thrombin) receptor-like 3	-1.90931	Inlier
siRNA Disorazole DMSO Run2	NM_003950	F2RL3	coagulation factor II (thrombin) receptor-like 3	-0.728266	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003950	F2RL3	coagulation factor II (thrombin) receptor-like 3	-0.589674	Inlier
siRNA Disorazole DMSO Run3	NM_003950	F2RL3	coagulation factor II (thrombin) receptor-like 3	-0.570611	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Condition	Gene	Accession	Probe	Gene Name	Value	Category
siRNA Disorazole	DMSO Run1	NM_0039	50	F2RL3	coagulation factor II (thrombin) receptor-like 3	0.570611	Inlier
siRNA-Temozolomide	Run1-DMSO	NM_0039	50	F2RL3	coagulation factor II (thrombin) receptor-like 3	0.620734	Inlier
siRNA-Vinblastine	Run2-DMSO	NM_0039	50	F2RL3	coagulation factor II (thrombin) receptor-like 3	3.422094	Inlier
siRNA-Vinblastine	Run1-DMSO	NM_0039	50	F2RL3	coagulation factor II (thrombin) receptor-like 3	3.572448	Outlier
siRNA-Temozolomide	Run3-DMSO	NM_0001	30	F5	coagulation factor V (proaccelerin, labile factor)	-1.138489	Inlier
siRNA-Temozolomide	Run2-DMSO	NM_0001	30	F5	coagulation factor V (proaccelerin, labile factor)	-0.817469	Inlier
siRNA Disorazole	DMSO Run3	NM_0001	30	F5	coagulation factor V (proaccelerin, labile factor)	-0.245627	Inlier
siRNA-Temozolomide	Run1-DMSO	NM_0001	30	F5	coagulation factor V (proaccelerin, labile factor)	-0.122679	Inlier
siRNA Disorazole	DMSO Run1	NM_0001	30	F5	coagulation factor V (proaccelerin, labile factor)	0.122679	Inlier
siRNA Disorazole	DMSO Run2	NM_0001	30	F5	coagulation factor V (proaccelerin, labile factor)	0.531531	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_000130	F5	coagulation factor V (proaccelerin, labile factor)	1.082137	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000130	F5	coagulation factor V (proaccelerin, labile factor)	1.24486	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000131	F7	coagulation factor VII (serum prothrombin conversion accelerator)	-1.004415	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000131	F7	coagulation factor VII (serum prothrombin conversion accelerator)	-0.50922	Inlier
siRNA Disorazole DMSO Run3	NM_000131	F7	coagulation factor VII (serum prothrombin conversion accelerator)	-0.479473	Inlier
siRNA Disorazole DMSO Run2	NM_000131	F7	coagulation factor VII (serum prothrombin conversion accelerator)	-0.236761	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_000131	F7	coagulation factor VII (serum prothrombin conversion accelerator)	0.236761	Inlier
siRNA Disorazole DMSO Run1	NM_000131	F7	coagulation factor VII (serum prothrombin conversion accelerator)	0.83978	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000131	F7	coagulation factor VII (serum prothrombin conversion accelerator)	2.206599	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000131	F7	coagulation factor VII (serum prothrombin conversion accelerator)	2.61869	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000133	F9	coagulation factor IX (plasma thromboplastin component, Christmas disease, hemophilia B)	-1.135646	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Run	Condition	Value	Outlier
siRNA Disorazole DMSO	NM_000133	Run1	DMSO	-0.84175	Inlier
siRNA-Temozolomide	NM_000133	Run2	DMSO	-0.50725	Inlier
siRNA Disorazole DMSO	NM_000133	Run3	DMSO	-0.151473	Inlier
siRNA-Temozolomide	NM_000133	Run1	DMSO	0.151473	Inlier

coagulation factor IX (plasma thromboplastin component, Christmas disease, hemophilia B)
 coagulation factor IX (plasma thromboplastin component, Christmas disease, hemophilia B)
 coagulation factor IX (plasma thromboplastin component, Christmas disease, hemophilia B)
 coagulation factor IX (plasma thromboplastin component, Christmas disease, hemophilia B)

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0001 33	F9	coagulation factor IX (plasma thromboplastin component, Christmas disease, hemophilia B)	0.233591	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0001 33	F9	coagulation factor IX (plasma thromboplastin component, Christmas disease, hemophilia B)	0.946798	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0001 33	F9	coagulation factor IX (plasma thromboplastin component, Christmas disease, hemophilia B)	1.437382	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0243 06	FA2H	fatty acid 2-hydroxylase	-1.705046	Inlier
siRNA Disorazole DMSO Run1	NM_0243 06	FA2H	fatty acid 2-hydroxylase	-0.784404	Inlier
siRNA Disorazole DMSO Run3	NM_0243 06	FA2H	fatty acid 2-hydroxylase	-0.564596	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0243 06	FA2H	fatty acid 2-hydroxylase	-0.022259	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_024306	FA2H	fatty acid 2-hydroxylase	0.022259	Inlier
siRNA-Temozolomide Run1-DMSO	NM_024306	FA2H	fatty acid 2-hydroxylase	0.120143	Inlier
siRNA-Vinblastine Run1-DMSO	NM_024306	FA2H	fatty acid 2-hydroxylase	0.875463	Inlier
siRNA Disorazole DMSO Run2	NM_024306	FA2H	fatty acid 2-hydroxylase	1.490039	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001441	FAAH	fatty acid amide hydrolase	-1.324955	Inlier
siRNA Disorazole DMSO Run1	NM_001441	FAAH	fatty acid amide hydrolase	-0.802369	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001441	FAAH	fatty acid amide hydrolase	-0.546631	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001441	FAAH	fatty acid amide hydrolase	-0.136659	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001441	FAAH	fatty acid amide hydrolase	0.136659	Inlier
siRNA Disorazole DMSO Run3	NM_001441	FAAH	fatty acid amide hydrolase	0.365756	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001441	FAAH	fatty acid amide hydrolase	2.031819	Inlier
siRNA Disorazole DMSO Run2	NM_001441	FAAH	fatty acid amide hydrolase	2.516787	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001443	FABP1	fatty acid binding protein 1, liver	-1.232317	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001443	FABP1	fatty acid binding protein 1, liver	-0.835702	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001443	FABP1	fatty acid binding protein 1, liver	-0.513298	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein	Value	Outlier Status
siRNA Disorazole DMSO Run1	NM_0014 43	FABP1	fatty acid binding protein 1, liver	-0.05799	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0014 43	FABP1	fatty acid binding protein 1, liver	0.057991	Inlier
siRNA Disorazole DMSO Run3	NM_0014 43	FABP1	fatty acid binding protein 1, liver	0.157651	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0014 43	FABP1	fatty acid binding protein 1, liver	0.907583	Inlier
siRNA Disorazole DMSO Run2	NM_0014 43	FABP1	fatty acid binding protein 1, liver	2.181043	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0001 34	FABP2	protein 2, intestinal fatty acid binding	-0.683585	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0001 34	FABP2	protein 2, intestinal fatty acid binding	-0.665415	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0001 34	FABP2	protein 2, intestinal fatty acid binding	-0.357755	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0001 34	FABP2	protein 2, intestinal fatty acid binding	-0.103211	Inlier
siRNA Disorazole DMSO Run3	NM_0001 34	FABP2	protein 2, intestinal fatty acid binding	0.103212	Inlier
siRNA Disorazole DMSO Run1	NM_0001 34	FABP2	protein 2, intestinal fatty acid binding	0.685997	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0001 34	FABP2	protein 2, intestinal fatty acid binding	1.320639	Inlier
siRNA Disorazole DMSO Run2	NM_0001 34	FABP2	protein 2, intestinal	2.070667	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log Fold Change	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_004102	FABP3	fatty acid binding protein 3, muscle and heart (mammary-derived growth inhibitor)	-0.914201	Inlier
siRNA Disorazole DMSO Run1	NM_004102	FABP3	fatty acid binding protein 3, muscle and heart (mammary-derived growth inhibitor)	-0.666502	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004102	FABP3	fatty acid binding protein 3, muscle and heart (mammary-derived growth inhibitor)	-0.441891	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004102	FABP3	fatty acid binding protein 3, muscle and heart (mammary-derived growth inhibitor)	-0.025998	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004102	FABP3	fatty acid binding protein 3, muscle and heart (mammary-derived growth inhibitor)	0.025999	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0041 02	FABP3	fatty acid binding protein 3, muscle and heart (mammary-derived growth inhibitor)	0.682498	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0041 02	FABP3	fatty acid binding protein 3, muscle and heart (mammary-derived growth inhibitor)	1.299469	Inlier
siRNA Disorazole DMSO Run2	NM_0041 02	FABP3	fatty acid binding protein 3, muscle and heart (mammary-derived growth inhibitor)	2.829548	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0014 42	FABP4	protein 4, adipocyte fatty acid binding	-1.543379	Inlier
siRNA Disorazole DMSO Run1	NM_0014 42	FABP4	protein 4, adipocyte fatty acid binding	-0.754065	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0014 42	FABP4	protein 4, adipocyte fatty acid binding	-0.594935	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0014 42	FABP4	protein 4, adipocyte fatty acid binding	-0.043135	Inlier
siRNA Disorazole DMSO Run3	NM_0014 42	FABP4	protein 4, adipocyte fatty acid binding	0.043135	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0014 42	FABP4	protein 4, adipocyte	0.383853	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0014 42	FABP4	fatty acid binding protein 4, adipocyte	1.712357	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0014 42	FABP4	fatty acid binding protein 4, adipocyte	1.869487	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0014 44	FABP5	fatty acid binding protein 5 (psoriasis-associated)	-1.142923	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0014 44	FABP5	fatty acid binding protein 5 (psoriasis-associated)	-0.737177	Inlier
siRNA Disorazole DMSO Run1	NM_0014 44	FABP5	fatty acid binding protein 5 (psoriasis-associated)	-0.691452	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0014 44	FABP5	fatty acid binding protein 5 (psoriasis-associated)	-0.267599	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0014 44	FABP5	fatty acid binding protein 5 (psoriasis-associated)	0.267599	Inlier
siRNA Disorazole DMSO Run3	NM_0014 44	FABP5	fatty acid binding protein 5 (psoriasis-associated)	0.655695	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0014 44	FABP5	fatty acid binding protein 5 (psoriasis-associated)	0.657548	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Value	Category
siRNA Disorazole DMSO Run2	NM_001444	FABP5	fatty acid binding protein 5 (psoriasis-associated)	1.174855	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001445	FABP6	fatty acid binding protein 6, ileal (gastrotropin)	-1.215813	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001445	FABP6	fatty acid binding protein 6, ileal (gastrotropin)	-0.81754	Inlier
siRNA Disorazole DMSO Run1	NM_001445	FABP6	fatty acid binding protein 6, ileal (gastrotropin)	-0.241134	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001445	FABP6	fatty acid binding protein 6, ileal (gastrotropin)	-0.178639	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001445	FABP6	fatty acid binding protein 6, ileal (gastrotropin)	0.178639	Inlier
siRNA Disorazole DMSO Run3	NM_001445	FABP6	fatty acid binding protein 6, ileal (gastrotropin)	0.53146	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001445	FABP6	fatty acid binding protein 6, ileal (gastrotropin)	0.897086	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0014 45	FABP6	fatty acid binding protein 6, ileal (gastrotropin)	1.181556	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0014 46	FABP7	fatty acid binding protein 7, brain	-1.45646	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0014 46	FABP7	fatty acid binding protein 7, brain	-1.05041	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0014 46	FABP7	fatty acid binding protein 7, brain	-0.64373	Inlier
siRNA Disorazole DMSO Run1	NM_0014 46	FABP7	fatty acid binding protein 7, brain	-0.063658	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0014 46	FABP7	fatty acid binding protein 7, brain	0.063658	Inlier
siRNA Disorazole DMSO Run3	NM_0014 46	FABP7	fatty acid binding protein 7, brain	0.233852	Inlier
siRNA Disorazole DMSO Run2	NM_0014 46	FABP7	fatty acid binding protein 7, brain	0.70527	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0014 46	FABP7	fatty acid binding protein 7, brain	1.054033	Inlier
siRNA Disorazole DMSO Run3	NM_0134 02	FADS1	fatty acid desaturase 1	-0.930381	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0134 02	FADS1	fatty acid desaturase 1	-0.71116	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0134 02	FADS1	fatty acid desaturase 1	-0.63784	Inlier
siRNA Disorazole DMSO Run1	NM_0134 02	FADS1	fatty acid desaturase 1	-0.038308	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0134 02	FADS1	fatty acid desaturase 1	0.038308	Inlier
siRNA Disorazole DMSO Run2	NM_0134 02	FADS1	fatty acid desaturase 1	0.359202	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0134 02	FADS1	fatty acid desaturase 1	0.732316	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0134 02	FADS1	fatty acid desaturase 1	0.881363	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0042 65	FADS2	fatty acid desaturase 2	-0.809301	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0042 65	FADS2	fatty acid desaturase 2	-0.582753	Inlier
siRNA Disorazole DMSO Run3	NM_0042 65	FADS2	fatty acid desaturase 2	-0.362975	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0042 65	FADS2	fatty acid desaturase 2	-0.260627	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0042 65	FADS2	fatty acid desaturase 2	0.260627	Inlier
siRNA Disorazole DMSO Run1	NM_0042 65	FADS2	fatty acid desaturase 2	0.766247	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0042 65	FADS2	fatty acid desaturase 2	1.300931	Inlier
siRNA Disorazole DMSO Run2	NM_0042 65	FADS2	fatty acid desaturase 2	1.392682	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0001 37	FAH	fumarylacetoacetate hydrolase (fumarylacetoacetase)	-1.294752	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0001 37	FAH	fumarylacetoacetate hydrolase (fumarylacetoacetase)	-0.79037	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_000137	FAH	fumarylacetoacetate hydrolase (fumarylacetoacetate)	-0.186993	Inlier
siRNA Disorazole DMSO Run1	NM_000137	FAH	fumarylacetoacetate hydrolase (fumarylacetoacetate)	-0.173777	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000137	FAH	fumarylacetoacetate hydrolase (fumarylacetoacetate)	0.173776	Inlier
siRNA Disorazole DMSO Run3	NM_000137	FAH	fumarylacetoacetate hydrolase (fumarylacetoacetate)	0.55863	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000137	FAH	fumarylacetoacetate hydrolase (fumarylacetoacetate)	2.293556	Inlier
siRNA Disorazole DMSO Run2	NM_000137	FAH	fumarylacetoacetate hydrolase (fumarylacetoacetate)	2.847363	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001018112	FANCA	Fanconi anemia, complementation group A	-0.836645	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001018112	FANCA	Fanconi anemia, complementation group A	-0.521064	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0010 18112	FANCA	Fanconi anemia, complementation group A	-0.048385	Inlier
siRNA Disorazole DMSO Run1	NM_0010 18112	FANCA	Fanconi anemia, complementation group A	-0.036597	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 18112	FANCA	Fanconi anemia, complementation group A	0.036597	Inlier
siRNA Disorazole DMSO Run3	NM_0010 18112	FANCA	Fanconi anemia, complementation group A	0.827936	Inlier
siRNA Disorazole DMSO Run2	NM_0010 18112	FANCA	Fanconi anemia, complementation group A	1.469826	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 18112	FANCA	Fanconi anemia, complementation group A	1.935963	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0044 60	FAP	fibroblast activation protein, alpha	-5.152659	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0044 60	FAP	fibroblast activation protein, alpha	-3.23137	Inlier
siRNA Disorazole DMSO Run1	NM_0044 60	FAP	fibroblast activation protein, alpha	-0.539921	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0044 60	FAP	fibroblast activation protein, alpha	-0.085545	Inlier
siRNA Disorazole DMSO Run2	NM_0044 60	FAP	fibroblast activation protein, alpha	0.085546	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Gene	Value	Outlier
siRNA Disorazole DMSO Run3	60	NM_0044	FAP	0.425597	Inlier
siRNA-Vinblastine Run1-DMSO	60	NM_0044	FAP	0.809079	Inlier
siRNA-Vinblastine Run2-DMSO	60	NM_0044	FAP	1.741466	Inlier
siRNA-Temozolomide Run2-DMSO	67	NM_0065	FARS1	-1.543038	Inlier
siRNA Disorazole DMSO Run3	67	NM_0065	FARS1	-0.819887	Inlier
siRNA-Vinblastine Run2-DMSO	67	NM_0065	FARS1	-0.20899	Inlier
siRNA Disorazole DMSO Run1	67	NM_0065	FARS1	-0.03374	Inlier
siRNA-Temozolomide Run3-DMSO	67	NM_0065	FARS1	0.033739	Inlier
siRNA-Temozolomide Run1-DMSO	67	NM_0065	FARS1	0.529113	Inlier

fibroblast
 activation
 protein,
 alpha
 fibroblast
 activation
 protein,
 alpha
 fibroblast
 activation
 protein,
 alpha
 phenylalan
 ine-tRNA
 synthetase
 2
 (mitochon
 drial)
 phenylalan
 ine-tRNA
 synthetase
 2
 (mitochon
 drial)
 phenylalan
 ine-tRNA
 synthetase
 2
 (mitochon
 drial)
 phenylalan
 ine-tRNA
 synthetase
 2
 (mitochon
 drial)
 phenylalan
 ine-tRNA
 synthetase
 2
 (mitochon
 drial)

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0065 67	FARS1	phenylalanine-tRNA synthetase 2 (mitochondrial)	1.297918	Inlier
siRNA Disorazole DMSO Run2	NM_0065 67	FARS1	phenylalanine-tRNA synthetase 2 (mitochondrial)	1.56243	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0044 61	FARSLA	phenylalanine-tRNA synthetase-like, alpha subunit	-0.764091	Inlier
siRNA Disorazole DMSO Run1	NM_0044 61	FARSLA	phenylalanine-tRNA synthetase-like, alpha subunit	-0.584909	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0044 61	FARSLA	phenylalanine-tRNA synthetase-like, alpha subunit	-0.575137	Inlier
siRNA Disorazole DMSO Run3	NM_0044 61	FARSLA	phenylalanine-tRNA synthetase-like, alpha subunit	-0.238181	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0044 61	FARSLA	phenylalanine-tRNA synthetase-like, alpha subunit	0.238181	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0044 61	FARSLA	phenylalanine-tRNA synthetase-like, alpha subunit	0.833253	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0044 61	FARSLA	phenylalanine-tRNA synthetase-like, alpha subunit	2.1176	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0044 61	FARSLA	phenylalanine-tRNA synthetase-like, alpha subunit	2.388343	Inlier
siRNA Disorazole DMSO Run1	NM_0056 87	FARSLB	phenylalanine-tRNA synthetase-like, beta subunit	-2.382997	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0056 87	FARSLB	phenylalanine-tRNA synthetase-like, beta subunit	-0.875229	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0056 87	FARSLB	phenylalanine-tRNA synthetase-like, beta subunit	-0.473771	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0056 87	FARSLB	phenylalanine-tRNA synthetase-like, beta subunit	-0.065578	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0056 87	FARSLB	phenylalanine-tRNA synthetase-like, beta subunit	0.065576	Inlier
siRNA Disorazole DMSO Run3	NM_0056 87	FARSLB	phenylalanine-tRNA synthetase-like, beta subunit	0.196331	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0056 87	FARSLB	phenylalanine-tRNA synthetase-like, beta subunit	3.960869	Outlier
siRNA-Vinblastine Run1-DMSO	NM_0056 87	FARSLB	phenylalanine-tRNA synthetase-like, beta subunit	4.378394	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0041 04	FASN	fatty acid synthase	-1.708967	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0041 04	FASN	fatty acid synthase	-0.96667	Inlier
siRNA Disorazole DMSO Run1	NM_0041 04	FASN	fatty acid synthase	-0.38233	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0041 04	FASN	fatty acid synthase	-0.186382	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0041 04	FASN	fatty acid synthase	0.186382	Inlier
siRNA Disorazole DMSO Run3	NM_0041 04	FASN	fatty acid synthase	0.279564	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0041 04	FASN	fatty acid synthase	1.481424	Inlier
siRNA Disorazole DMSO Run2	NM_0041 04	FASN	fatty acid synthase	2.287551	Inlier
siRNA Disorazole DMSO Run2	NM_0250 96	FASTK	Fas-activated serine/threonine kinase	-0.804074	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0250 96	FASTK	Fas-activated serine/threonine kinase	-0.544927	Inlier
siRNA Disorazole DMSO Run3	NM_0250 96	FASTK	Fas-activated serine/threonine kinase	-0.475718	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0250 96	FASTK	Fas-activated serine/threonine kinase	-0.010385	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	FASTK	Gene Name	Value	Inlier
siRNA-Temozolomide Run1-DMSO	NM_025096	FASTK	Fas-activated serine/threonine kinase	0.010385	Inlier
siRNA Disorazole DMSO Run1	NM_025096	FASTK	Fas-activated serine/threonine kinase	0.914701	Inlier
siRNA-Vinblastine Run2-DMSO	NM_025096	FASTK	Fas-activated serine/threonine kinase	2.045838	Inlier
siRNA-Vinblastine Run1-DMSO	NM_025096	FASTK	Fas-activated serine/threonine kinase	2.156618	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000507	FBP1	fructose-1,6-bisphosphatase 1	-0.73255	Inlier
siRNA Disorazole DMSO Run2	NM_000507	FBP1	fructose-1,6-bisphosphatase 1	-0.676742	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000507	FBP1	fructose-1,6-bisphosphatase 1	-0.672258	Inlier
siRNA Disorazole DMSO Run3	NM_000507	FBP1	fructose-1,6-bisphosphatase 1	-0.232509	Inlier
siRNA Disorazole DMSO Run1	NM_000507	FBP1	fructose-1,6-bisphosphatase 1	0.232509	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000507	FBP1	fructose-1,6-bisphosphatase 1	0.290247	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000507	FBP1	fructose-1,6-bisphosphatase 1	0.892315	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000507	FBP1	fructose-1,6-bisphosphatase 1	1.302828	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0038 37	FBP2	fructose-1,6-bisphosphatase 2	-3.379662	Inlier
siRNA Disorazole DMSO Run1	NM_0038 37	FBP2	fructose-1,6-bisphosphatase 2	-2.095845	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0038 37	FBP2	fructose-1,6-bisphosphatase 2	-0.530525	Inlier
siRNA Disorazole DMSO Run2	NM_0038 37	FBP2	fructose-1,6-bisphosphatase 2	-0.367147	Inlier
siRNA Disorazole DMSO Run3	NM_0038 37	FBP2	fructose-1,6-bisphosphatase 2	0.367147	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0038 37	FBP2	fructose-1,6-bisphosphatase 2	0.42881	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0038 37	FBP2	fructose-1,6-bisphosphatase 2	0.818475	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0038 37	FBP2	fructose-1,6-bisphosphatase 2	1.513026	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0121 65	FBXW3	split hand/foot malformation (ectrodactyly) type 3 pseudogene 1	-0.87592	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0121 65	FBXW3	split hand/foot malformation (ectrodactyly) type 3 pseudogene 1	-0.638796	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0121 65	FBXW3	split hand/foot malformati on (ectrodact yly) type 3 pseudoge ne 1	-0.365525	Inlier
siRNA Disorazole DMSO Run1	NM_0121 65	FBXW3	split hand/foot malformati on (ectrodact yly) type 3 pseudoge ne 1	-0.183213	Inlier
siRNA Disorazole DMSO Run2	NM_0121 65	FBXW3	split hand/foot malformati on (ectrodact yly) type 3 pseudoge ne 1	0.183213	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0121 65	FBXW3	split hand/foot malformati on (ectrodact yly) type 3 pseudoge ne 1	0.710204	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0121 65	FBXW3	split hand/foot malformati on (ectrodact yly) type 3 pseudoge ne 1	0.951273	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0121 65	FBXW3	split hand/foot malformati on (ectrodact yly) type 3 pseudoge ne 1	1.038568	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1332 79	FCAR	Fc fragment of IgA, receptor for	-0.803576	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1332 79	FCAR	Fc fragment of IgA, receptor for	-0.689577	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1332 79	FCAR	Fc fragment of IgA, receptor for	-0.659423	Inlier
siRNA Disorazole DMSO Run1	NM_1332 79	FCAR	Fc fragment of IgA, receptor for	-0.178855	Inlier
siRNA Disorazole DMSO Run3	NM_1332 79	FCAR	Fc fragment of IgA, receptor for	0.178855	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1332 79	FCAR	Fc fragment of IgA, receptor for	0.321975	Inlier
siRNA Disorazole DMSO Run2	NM_1332 79	FCAR	Fc fragment of IgA, receptor for	1.862476	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1332 79	FCAR	Fc fragment of IgA, receptor for	2.618878	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_002001	FCER1A	Fc fragment of IgE, high affinity I, receptor for; alpha polypeptide	-1.359979	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002001	FCER1A	Fc fragment of IgE, high affinity I, receptor for; alpha polypeptide	-0.94916	Inlier
siRNA Disorazole DMSO Run3	NM_002001	FCER1A	Fc fragment of IgE, high affinity I, receptor for; alpha polypeptide	-0.39984	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002001	FCER1A	Fc fragment of IgE, high affinity I, receptor for; alpha polypeptide	-0.124327	Inlier
siRNA Disorazole DMSO Run1	NM_002001	FCER1A	Fc fragment of IgE, high affinity I, receptor for; alpha polypeptide	0.124327	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_002001	FCER1A	Fc fragment of IgE, high affinity I, receptor for; alpha polypeptide	0.126667	Inlier
siRNA Disorazole DMSO Run2	NM_002001	FCER1A	Fc fragment of IgE, high affinity I, receptor for; alpha polypeptide	1.393395	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002001	FCER1A	Fc fragment of IgE, high affinity I, receptor for; alpha polypeptide	1.920023	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004106	FCER1G	Fc fragment of IgE, high affinity I, receptor for; gamma polypeptide	-0.979243	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004106	FCER1G	Fc fragment of IgE, high affinity I, receptor for; gamma polypeptide	-0.741646	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log2 Fold Change	Outlier Type
siRNA-Temozolomide Run2-DMSO	NM_004106	FCER1G	Fc fragment of IgE, high affinity I, receptor for; gamma polypeptide	-0.607354	Inlier
siRNA Disorazole DMSO Run3	NM_004106	FCER1G	Fc fragment of IgE, high affinity I, receptor for; gamma polypeptide	-0.277246	Inlier
siRNA Disorazole DMSO Run1	NM_004106	FCER1G	Fc fragment of IgE, high affinity I, receptor for; gamma polypeptide	0.277246	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004106	FCER1G	Fc fragment of IgE, high affinity I, receptor for; gamma polypeptide	0.351539	Inlier
siRNA Disorazole DMSO Run2	NM_004106	FCER1G	Fc fragment of IgE, high affinity I, receptor for; gamma polypeptide	2.04922	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_004106	FCER1G	Fc fragment of IgE, high affinity I, receptor for; gamma polypeptide	2.198274	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002002	FCER2	Fc fragment of IgE, low affinity II, receptor for (CD23A)	-2.232574	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002002	FCER2	Fc fragment of IgE, low affinity II, receptor for (CD23A)	-0.769533	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002002	FCER2	Fc fragment of IgE, low affinity II, receptor for (CD23A)	-0.373314	Inlier
siRNA Disorazole DMSO Run1	NM_002002	FCER2	Fc fragment of IgE, low affinity II, receptor for (CD23A)	-0.13443	Inlier
siRNA Disorazole DMSO Run3	NM_002002	FCER2	Fc fragment of IgE, low affinity II, receptor for (CD23A)	0.13443	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_002002	FCER2	Fc fragment of IgE, low affinity II, receptor for (CD23A)	0.579467	Inlier
siRNA Disorazole DMSO Run2	NM_002002	FCER2	Fc fragment of IgE, low affinity II, receptor for (CD23A)	2.732956	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002002	FCER2	Fc fragment of IgE, low affinity II, receptor for (CD23A)	3.364236	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000566	FCGR1A	Fc fragment of IgG, high affinity Ia, receptor (CD64)	-1.288394	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000566	FCGR1A	Fc fragment of IgG, high affinity Ia, receptor (CD64)	-0.87324	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000566	FCGR1A	Fc fragment of IgG, high affinity Ia, receptor (CD64)	-0.515329	Inlier
siRNA Disorazole DMSO Run1	NM_000566	FCGR1A	Fc fragment of IgG, high affinity Ia, receptor (CD64)	-0.11173	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Description	Value	Category
siRNA Disorazole DMSO Run3	FCGR1A	NM_000566	Fc fragment of IgG, high affinity Ia, receptor (CD64)	0.111729	Inlier
siRNA-Temozolomide Run1-DMSO	FCGR1A	NM_000566	Fc fragment of IgG, high affinity Ia, receptor (CD64)	0.118663	Inlier
siRNA Disorazole DMSO Run2	FCGR1A	NM_000566	Fc fragment of IgG, high affinity Ia, receptor (CD64)	0.833671	Inlier
siRNA-Vinblastine Run1-DMSO	FCGR1A	NM_000566	Fc fragment of IgG, high affinity Ia, receptor (CD64)	1.080436	Inlier
siRNA-Vinblastine Run2-DMSO	FCGR2A	NM_021642	Fc fragment of IgG, low affinity IIa, receptor (CD32)	-0.737878	Inlier
siRNA-Temozolomide Run3-DMSO	FCGR2A	NM_021642	Fc fragment of IgG, low affinity IIa, receptor (CD32)	-0.73617	Inlier
siRNA-Temozolomide Run2-DMSO	FCGR2A	NM_021642	Fc fragment of IgG, low affinity IIa, receptor (CD32)	-0.61283	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0216 42	FCGR2A	Fc fragment of IgG, low affinity IIa, receptor (CD32)	-0.028304 Inlier
siRNA Disorazole DMSO Run1	NM_0216 42	FCGR2A	Fc fragment of IgG, low affinity IIa, receptor (CD32)	0.028304 Inlier
siRNA Disorazole DMSO Run3	NM_0216 42	FCGR2A	Fc fragment of IgG, low affinity IIa, receptor (CD32)	0.066393 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0216 42	FCGR2A	Fc fragment of IgG, low affinity IIa, receptor (CD32)	1.431755 Inlier
siRNA Disorazole DMSO Run2	NM_0216 42	FCGR2A	Fc fragment of IgG, low affinity IIa, receptor (CD32)	1.586406 Inlier
siRNA Disorazole DMSO Run1	NM_0040 01	FCGR2B	Fc fragment of IgG, low affinity IIb, receptor (CD32)	-1.006165 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0040 01	FCGR2B	Fc fragment of IgG, low affinity IIb, receptor (CD32)	-0.342835 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_004001	FCGR2B	Fc fragment of IgG, low affinity IIb, receptor (CD32)	-0.253089	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004001	FCGR2B	Fc fragment of IgG, low affinity IIb, receptor (CD32)	-0.183997	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004001	FCGR2B	Fc fragment of IgG, low affinity IIb, receptor (CD32)	0.183996	Inlier
siRNA Disorazole DMSO Run3	NM_004001	FCGR2B	Fc fragment of IgG, low affinity IIb, receptor (CD32)	1.473886	Inlier
siRNA Disorazole DMSO Run2	NM_004001	FCGR2B	Fc fragment of IgG, low affinity IIb, receptor (CD32)	2.630907	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004001	FCGR2B	Fc fragment of IgG, low affinity IIb, receptor (CD32)	2.663194	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000569	FCGR3A	Fc fragment of IgG, low affinity IIIa, receptor (CD16a)	-2.017775	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_000569	FCGR3A	Fc fragment of IgG, low affinity IIIa, receptor (CD16a)	-0.829645	Inlier
siRNA Disorazole DMSO Run3	NM_000569	FCGR3A	Fc fragment of IgG, low affinity IIIa, receptor (CD16a)	-0.519355	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000569	FCGR3A	Fc fragment of IgG, low affinity IIIa, receptor (CD16a)	-0.155809	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000569	FCGR3A	Fc fragment of IgG, low affinity IIIa, receptor (CD16a)	0.155809	Inlier
siRNA Disorazole DMSO Run1	NM_000569	FCGR3A	Fc fragment of IgG, low affinity IIIa, receptor (CD16a)	0.378635	Inlier
siRNA Disorazole DMSO Run2	NM_000569	FCGR3A	Fc fragment of IgG, low affinity IIIa, receptor (CD16a)	1.369482	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_000569	FCGR3A	Fc fragment of IgG, low affinity IIIa, receptor (CD16a)	1.988297	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000570	FCGR3B	Fc fragment of IgG, low affinity IIIb, receptor (CD16b)	-1.744287	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000570	FCGR3B	Fc fragment of IgG, low affinity IIIb, receptor (CD16b)	-1.183146	Inlier
siRNA Disorazole DMSO Run1	NM_000570	FCGR3B	Fc fragment of IgG, low affinity IIIb, receptor (CD16b)	-0.107223	Inlier
siRNA Disorazole DMSO Run3	NM_000570	FCGR3B	Fc fragment of IgG, low affinity IIIb, receptor (CD16b)	-0.031219	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000570	FCGR3B	Fc fragment of IgG, low affinity IIIb, receptor (CD16b)	0.031218	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_000570	FCGR3B	Fc fragment of IgG, low affinity IIIb, receptor (CD16b)	0.165854	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000570	FCGR3B	Fc fragment of IgG, low affinity IIIb, receptor (CD16b)	1.803857	Inlier
siRNA Disorazole DMSO Run2	NM_000570	FCGR3B	Fc fragment of IgG, low affinity IIIb, receptor (CD16b)	2.197371	Inlier
siRNA Disorazole DMSO Run2	NM_004107	FCGRT	Fc fragment of IgG, receptor, transporter, alpha	-1.011924	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004107	FCGRT	Fc fragment of IgG, receptor, transporter, alpha	-0.88454	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004107	FCGRT	Fc fragment of IgG, receptor, transporter, alpha	-0.30811	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004107	FCGRT	Fc fragment of IgG, receptor, transporter, alpha	-0.241111	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Description	Log2 Fold Change	Outlier Status
siRNA Disorazole DMSO Run3	NM_004107	FCGRT	Fc fragment of IgG, receptor, transporter, alpha	0.241111	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004107	FCGRT	Fc fragment of IgG, receptor, transporter, alpha	0.480362	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004107	FCGRT	Fc fragment of IgG, receptor, transporter, alpha	0.868638	Inlier
siRNA Disorazole DMSO Run1	NM_004107	FCGRT	Fc fragment of IgG, receptor, transporter, alpha	0.986718	Inlier
siRNA Disorazole DMSO Run3	NM_002003	FCN1	ficolin (collagen/brinogen domain containing) 1	-1.751139	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002003	FCN1	ficolin (collagen/brinogen domain containing) 1	-0.512523	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002003	FCN1	ficolin (collagen/brinogen domain containing) 1	-0.385972	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002003	FCN1	ficolin (collagen/brinogen domain containing) 1	-0.086586	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0020 03	FCN1	ficolin (collagen/fi brinogen domain containing) 1	0.086586	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0020 03	FCN1	ficolin (collagen/fi brinogen domain containing) 1	0.836478	Inlier
siRNA Disorazole DMSO Run2	NM_0020 03	FCN1	ficolin (collagen/fi brinogen domain containing) 1	2.520576	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0020 03	FCN1	ficolin (collagen/fi brinogen domain containing) 1	3.85787	Outlier
siRNA-Temozolomide Run3- DMSO	NM_0158 37	FCN2	ficolin (collagen/fi brinogen domain containing lectin) 2 (hucolin)	-6.186482	Outlier
siRNA Disorazole DMSO Run3	NM_0158 37	FCN2	ficolin (collagen/fi brinogen domain containing lectin) 2 (hucolin)	-0.393147	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0158 37	FCN2	ficolin (collagen/fi brinogen domain containing lectin) 2 (hucolin)	-0.214562	Inlier
siRNA Disorazole DMSO Run1	NM_0158 37	FCN2	ficolin (collagen/fi brinogen domain containing lectin) 2 (hucolin)	-0.19392	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0158 37	FCN2	ficolin (collagen/fibrinogen domain containing lectin) 2 (hucolin)	0.19392	Inlier
siRNA Disorazole DMSO Run2	NM_0158 37	FCN2	ficolin (collagen/fibrinogen domain containing lectin) 2 (hucolin)	0.955853	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0158 37	FCN2	ficolin (collagen/fibrinogen domain containing lectin) 2 (hucolin)	1.267627	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0158 37	FCN2	ficolin (collagen/fibrinogen domain containing lectin) 2 (hucolin)	2.630486	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1734 52	FCN3	(Hakata antigen) ficolin (collagen/fibrinogen domain containing) 3	-0.698739	Inlier
siRNA Disorazole DMSO Run3	NM_1734 52	FCN3	(Hakata antigen) ficolin (collagen/fibrinogen domain containing) 3	-0.650261	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1734 52	FCN3	(Hakata antigen)	-0.437706	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_1734 52	FCN3	ficolin (collagen/fibrinogen domain containing)) 3 (Hakata antigen)	-0.403745	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1734 52	FCN3	ficolin (collagen/fibrinogen domain containing)) 3 (Hakata antigen)	0.403746	Inlier
siRNA Disorazole DMSO Run1	NM_1734 52	FCN3	ficolin (collagen/fibrinogen domain containing)) 3 (Hakata antigen)	1.337101	Inlier
siRNA Disorazole DMSO Run2	NM_1734 52	FCN3	ficolin (collagen/fibrinogen domain containing)) 3 (Hakata antigen)	5.131422	Outlier
siRNA-Vinblastine Run1-DMSO	NM_1734 52	FCN3	ficolin (collagen/fibrinogen domain containing)) 3 (Hakata antigen)	8.659146	Outlier
siRNA-Temozolomide Run1-DMSO	NM_0044 62	FDFT1	farnesyl-diphosphate farnesyltransferase 1	-1.190112	Inlier
siRNA Disorazole DMSO Run1	NM_0044 62	FDFT1	farnesyl-diphosphate farnesyltransferase 1	-0.910898	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_004462	FDFT1	farnesyl-diphosphate farnesyltransferase 1	-0.728063	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004462	FDFT1	farnesyl-diphosphate farnesyltransferase 1	-0.058041	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004462	FDFT1	farnesyl-diphosphate farnesyltransferase 1	0.058041	Inlier
siRNA Disorazole DMSO Run3	NM_004462	FDFT1	farnesyl-diphosphate farnesyltransferase 1	0.55416	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004462	FDFT1	farnesyl-diphosphate farnesyltransferase 1	0.620937	Inlier
siRNA Disorazole DMSO Run2	NM_004462	FDFT1	farnesyl-diphosphate farnesyltransferase 1	1.098063	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002004	FDPS	farnesyl diphosphate synthase (farnesyl pyrophosphate synthetase, dimethylallyltransferase, geranyltransferase)	-1.060063	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

				farnesyl diphospha te synthase (farnesyl pyrophosp hate synthetase , dimethylall yltranstran sferase, geranyltra nstransfer ase)	
siRNA-Temozolomide Run2- DMSO	NM_0020 04	FDPS			-0.742024 Inlier
				farnesyl diphospha te synthase (farnesyl pyrophosp hate synthetase , dimethylall yltranstran sferase, geranyltra nstransfer ase)	
siRNA-Temozolomide Run1- DMSO	NM_0020 04	FDPS			-0.367985 Inlier
				farnesyl diphospha te synthase (farnesyl pyrophosp hate synthetase , dimethylall yltranstran sferase, geranyltra nstransfer ase)	
siRNA Disorazole DMSO Run1	NM_0020 04	FDPS			-0.276178 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0020 04	FDPS	farnesyl diphospha te synthase (farnesyl pyrophosp hate synthetase , dimethylall yltranstran sferase, geranyltra nstransfer ase)	0.276177	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0020 04	FDPS	farnesyl diphospha te synthase (farnesyl pyrophosp hate synthetase , dimethylall yltranstran sferase, geranyltra nstransfer ase)	0.606976	Inlier
siRNA Disorazole DMSO Run2	NM_0020 04	FDPS	farnesyl diphospha te synthase (farnesyl pyrophosp hate synthetase , dimethylall yltranstran sferase, geranyltra nstransfer ase)	1.090399	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			farnesyl diphosphate synthase (farnesyl pyrophosphate synthetase)	
			, dimethylallyltransferase, geranyltransferase)	
siRNA-Vinblastine Run1-DMSO	NM_002004	FDPS	ferredoxin 1	1.395556 Inlier
siRNA-Temozolomide Run3-DMSO	NM_004109	FDX1	ferredoxin 1	-0.715141 Inlier
siRNA Disorazole DMSO Run3	NM_004109	FDX1	ferredoxin 1	-0.633859 Inlier
siRNA-Vinblastine Run2-DMSO	NM_004109	FDX1	ferredoxin 1	-0.375939 Inlier
siRNA Disorazole DMSO Run1	NM_004109	FDX1	ferredoxin 1	-0.299346 Inlier
siRNA-Temozolomide Run2-DMSO	NM_004109	FDX1	ferredoxin 1	0.299346 Inlier
siRNA-Temozolomide Run1-DMSO	NM_004109	FDX1	ferredoxin 1	0.775299 Inlier
siRNA-Vinblastine Run1-DMSO	NM_004109	FDX1	ferredoxin 1	1.860966 Inlier
siRNA Disorazole DMSO Run2	NM_004109	FDX1	ferredoxin 1	1.97833 Inlier
siRNA-Temozolomide Run2-DMSO	NM_024417	FDXR	ferredoxin reductase	-0.812119 Inlier
siRNA-Temozolomide Run3-DMSO	NM_024417	FDXR	ferredoxin reductase	-0.799078 Inlier
siRNA Disorazole DMSO Run3	NM_024417	FDXR	ferredoxin reductase	-0.305037 Inlier
siRNA-Vinblastine Run2-DMSO	NM_024417	FDXR	ferredoxin reductase	-0.120924 Inlier
siRNA Disorazole DMSO Run1	NM_024417	FDXR	ferredoxin reductase	0.120924 Inlier
siRNA-Temozolomide Run1-DMSO	NM_024417	FDXR	ferredoxin reductase	0.549922 Inlier
siRNA Disorazole DMSO Run2	NM_024417	FDXR	ferredoxin reductase	1.396903 Inlier
siRNA-Vinblastine Run1-DMSO	NM_024417	FDXR	ferredoxin reductase	1.579951 Inlier
siRNA-Temozolomide Run3-DMSO	NM_001012515	FECH	ferrochelatase (protoporphyrin)	-1.485357 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0010 12515	FECH	ferrochelatase (protoporphyrin)	-1.147787	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 12515	FECH	ferrochelatase (protoporphyrin)	-1.120851	Inlier
siRNA Disorazole DMSO Run1	NM_0010 12515	FECH	ferrochelatase (protoporphyrin)	-0.1613	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 12515	FECH	ferrochelatase (protoporphyrin)	0.161299	Inlier
siRNA Disorazole DMSO Run2	NM_0010 12515	FECH	ferrochelatase (protoporphyrin)	0.314221	Inlier
siRNA Disorazole DMSO Run3	NM_0010 12515	FECH	ferrochelatase (protoporphyrin)	0.331017	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 12515	FECH	flap structure-specific endonuclease 1	1.017983	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0041 11	FEN1	flap structure-specific endonuclease 1	-3.54756	Outlier
siRNA Disorazole DMSO Run3	NM_0041 11	FEN1	flap structure-specific endonuclease 1	-0.722123	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0041 11	FEN1	flap structure-specific endonuclease 1	-0.626877	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0041 11	FEN1	flap structure-specific endonuclease 1	-0.021282	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0041 11	FEN1	flap structure- specific endonucle ase 1	0.021282	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0041 11	FEN1	flap structure- specific endonucle ase 1	0.580839	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0041 11	FEN1	flap structure- specific endonucle ase 1	1.655329	Inlier
siRNA Disorazole DMSO Run2	NM_0041 11	FEN1	flap structure- specific endonucle ase 1	3.37194	Inlier
siRNA Disorazole DMSO Run2	NM_0052 46	FER	fer (fps/fes related) tyrosine kinase (phosphop rotein NCP94)	-2.665918	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0052 46	FER	fer (fps/fes related) tyrosine kinase (phosphop rotein NCP94)	-1.396593	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0052 46	FER	fer (fps/fes related) tyrosine kinase (phosphop rotein NCP94)	-0.760297	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0052 46	FER	fer (fps/fes related) tyrosine kinase (phosphop rotein NCP94)	-0.053716	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0052 46	FER	fer (fps/fes related) tyrosine kinase (phosphoprotein NCP94)	0.053716	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0052 46	FER	fer (fps/fes related) tyrosine kinase (phosphoprotein NCP94)	0.10743	Inlier
siRNA Disorazole DMSO Run1	NM_0052 46	FER	fer (fps/fes related) tyrosine kinase (phosphoprotein NCP94)	0.588703	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0052 46	FER	fer (fps/fes related) tyrosine kinase (phosphoprotein NCP94)	1.811822	Inlier
siRNA Disorazole DMSO Run2	NM_0020 05	FES	feline sarcoma oncogene	-0.894462	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0020 05	FES	feline sarcoma oncogene	-0.517877	Inlier
siRNA Disorazole DMSO Run3	NM_0020 05	FES	feline sarcoma oncogene	-0.310108	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0020 05	FES	feline sarcoma oncogene	-0.088358	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0020 05	FES	feline sarcoma oncogene	0.088358	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0020 05	FES	feline sarcoma oncogene	0.831123	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0020 05	FES	feline sarcoma oncogene	0.897705	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0020 05	FES	feline sarcoma oncogene	2.312589	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0218 71	FGA	fibrinogen, A alpha polypeptid e	-1.01549	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0218 71	FGA	fibrinogen, A alpha polypeptid e	-0.654971	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0218 71	FGA	fibrinogen, A alpha polypeptid e	-0.361687	Inlier
siRNA Disorazole DMSO Run3	NM_0218 71	FGA	fibrinogen, A alpha polypeptid e	-0.206817	Inlier
siRNA Disorazole DMSO Run1	NM_0218 71	FGA	fibrinogen, A alpha polypeptid e	0.206817	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0218 71	FGA	fibrinogen, A alpha polypeptid e	0.694029	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0218 71	FGA	fibrinogen, A alpha polypeptid e	1.523709	Inlier
siRNA Disorazole DMSO Run2	NM_0218 71	FGA	fibrinogen, A alpha polypeptid e	1.842086	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0051 41	FGB	fibrinogen, B beta polypeptid e	-1.135513	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0051 41	FGB	fibrinogen, B beta polypeptid e	-0.987901	Inlier
siRNA Disorazole DMSO Run3	NM_0051 41	FGB	fibrinogen, B beta polypeptid e	-0.685119	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0051 41	FGB	fibrinogen, B beta polypeptide	-0.057599	Inlier
siRNA Disorazole DMSO Run2	NM_0051 41	FGB	fibrinogen, B beta polypeptide	0.057599	Inlier
siRNA Disorazole DMSO Run1	NM_0051 41	FGB	fibrinogen, B beta polypeptide	0.277645	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0051 41	FGB	fibrinogen, B beta polypeptide	0.663881	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0051 41	FGB	fibrinogen, B beta polypeptide FYVE, RhoGEF and PH domain containing 1	1.055914	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0044 63	FGD1	(faciogenital dysplasia) FYVE, RhoGEF and PH domain containing 1	-0.839511	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0044 63	FGD1	(faciogenital dysplasia) FYVE, RhoGEF and PH domain containing 1	-0.788362	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0044 63	FGD1	(faciogenital dysplasia)	-0.560638	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0044 63	FGD1	FYVE, RhoGEF and PH domain containing 1 (faciogenit al dysplasia)	-0.216691	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0044 63	FGD1	FYVE, RhoGEF and PH domain containing 1 (faciogenit al dysplasia)	0.216691	Inlier
siRNA Disorazole DMSO Run1	NM_0044 63	FGD1	FYVE, RhoGEF and PH domain containing 1 (faciogenit al dysplasia)	0.411215	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0044 63	FGD1	FYVE, RhoGEF and PH domain containing 1 (faciogenit al dysplasia)	1.541897	Inlier
siRNA Disorazole DMSO Run2	NM_0044 63	FGD1	FYVE, RhoGEF and PH domain containing 1 (faciogenit al dysplasia)	2.651839	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1735 58	FGD2	2	-1.185015	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_1735 58	FGD2	FYVE, RhoGEF and PH domain containing 2	-0.76819	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1735 58	FGD2	FYVE, RhoGEF and PH domain containing 2	-0.58081	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1735 58	FGD2	FYVE, RhoGEF and PH domain containing 2	-0.020934	Inlier
siRNA Disorazole DMSO Run3	NM_1735 58	FGD2	FYVE, RhoGEF and PH domain containing 2	0.020934	Inlier
siRNA Disorazole DMSO Run1	NM_1735 58	FGD2	FYVE, RhoGEF and PH domain containing 2	0.336008	Inlier
siRNA Disorazole DMSO Run2	NM_1735 58	FGD2	FYVE, RhoGEF and PH domain containing 2	1.558894	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1735 58	FGD2	FGD1 family, member 3	1.828795	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0330 86	FGD3	FGD1 family, member 3	-2.120347	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0330 86	FGD3	FGD1 family, member 3	-1.341386	Inlier
siRNA Disorazole DMSO Run3	NM_0330 86	FGD3	FGD1 family, member 3	-0.574579	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Condition	Gene	Accession	Gene ID	Protein Description	Log Fold Change	Outlier Status
Molecular Pharmacology siRNA-Vinblastine Run2- DMSO	NM_0330	86	FGD3	FGD1 family, member 3	-0.160921	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0330	86	FGD3	FGD1 family, member 3	0.160922	Inlier
siRNA Disorazole DMSO Run2	NM_0330	86	FGD3	FGD1 family, member 3	0.664923	Inlier
siRNA Disorazole DMSO Run1	NM_0330	86	FGD3	FGD1 family, member 3	0.684077	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0330	86	FGD3	FGD1 family, member 3	1.660033	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1392	41	FGD4	FYVE, RhoGEF and PH domain containing 4	-2.011295	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1392	41	FGD4	FYVE, RhoGEF and PH domain containing 4	-0.870891	Inlier
siRNA Disorazole DMSO Run3	NM_1392	41	FGD4	FYVE, RhoGEF and PH domain containing 4	-0.34114	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1392	41	FGD4	FYVE, RhoGEF and PH domain containing 4	-0.159159	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1392	41	FGD4	FYVE, RhoGEF and PH domain containing 4	0.15916	Inlier
siRNA Disorazole DMSO Run1	NM_1392	41	FGD4	FYVE, RhoGEF and PH domain containing 4	0.558385	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Description	Correlation Coefficient	Inlier Status
siRNA-Vinblastine Run1-DMSO	NM_139241	FGD4	FYVE, RhoGEF and PH domain containing 4	0.790614	Inlier
siRNA Disorazole DMSO Run2	NM_139241	FGD4	FYVE, RhoGEF and PH domain containing 4	0.888326	Inlier
siRNA-Temozolomide Run3-DMSO	NM_023108	FGFR1	fibroblast growth factor receptor 1 (fms-related tyrosine kinase 2, Pfeiffer syndrome)	-0.98867	Inlier
siRNA-Temozolomide Run1-DMSO	NM_023108	FGFR1	fibroblast growth factor receptor 1 (fms-related tyrosine kinase 2, Pfeiffer syndrome)	-0.422998	Inlier
siRNA Disorazole DMSO Run3	NM_023108	FGFR1	fibroblast growth factor receptor 1 (fms-related tyrosine kinase 2, Pfeiffer syndrome)	-0.069598	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0231 08	FGFR1	fibroblast growth factor receptor 1 (fms- related tyrosine kinase 2, Pfeiffer syndrome)	-0.022394	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0231 08	FGFR1	fibroblast growth factor receptor 1 (fms- related tyrosine kinase 2, Pfeiffer syndrome)	0.022394	Inlier
siRNA Disorazole DMSO Run1	NM_0231 08	FGFR1	fibroblast growth factor receptor 1 (fms- related tyrosine kinase 2, Pfeiffer syndrome)	0.926002	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0231 08	FGFR1	fibroblast growth factor receptor 1 (fms- related tyrosine kinase 2, Pfeiffer syndrome)	1.166295	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_023108	FGFR1	fibroblast growth factor receptor 1 (fms-related tyrosine kinase 2, Pfeiffer syndrome)	1.784753	Inlier
-----------------------------	-----------	-------	--	----------	--------

siRNA-Temozolomide Run3-DMSO	NM_023029	FGFR2	fibroblast growth factor receptor 2 (bacteria-expressed kinase, keratinocyte growth factor receptor, craniofacial dysostosis 1, Crouzon syndrome, Pfeiffer syndrome, Jackson-Weiss syndrome)	-1.965442	Inlier
------------------------------	-----------	-------	--	-----------	--------

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1- DMSO	NM_0230 29	FGFR2	fibroblast growth factor receptor 2 (bacteria- expressed kinase, keratinocyt e growth factor receptor, craniofacia l dysostosis 1, Crouzon syndrome, Pfeiffer syndrome, Jackson- Weiss syndrome)	-0.769455 Inlier
----------------------------------	---------------	-------	--	------------------

siRNA Disorazole DMSO Run1	NM_0230 29	FGFR2	fibroblast growth factor receptor 2 (bacteria- expressed kinase, keratinocyt e growth factor receptor, craniofacia l dysostosis 1, Crouzon syndrome, Pfeiffer syndrome, Jackson- Weiss syndrome)	-0.553232 Inlier
----------------------------	---------------	-------	--	------------------

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			fibroblast growth factor receptor 2 (bacteria- expressed kinase, keratinocyt e growth factor receptor, craniofacia l dysostosis 1, Crouzon syndrome, Pfeiffer syndrome, Jackson- Weiss syndrome)	-0.449588	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0230 29	FGFR2			

			fibroblast growth factor receptor 2 (bacteria- expressed kinase, keratinocyt e growth factor receptor, craniofacia l dysostosis 1, Crouzon syndrome, Pfeiffer syndrome, Jackson- Weiss syndrome)	0.449589	Inlier
siRNA Disorazole DMSO Run3	NM_0230 29	FGFR2			

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0230	29	FGFR2	fibroblast growth factor receptor 2 (bacteria-expressed kinase, keratinocyte growth factor receptor, craniofacial dysostosis 1, Crouzon syndrome, Pfeiffer syndrome, Jackson-Weiss syndrome)	0.579545	Inlier
----------------------------	---------	----	-------	--	----------	--------

siRNA-Vinblastine Run2-DMSO	NM_0230	29	FGFR2	fibroblast growth factor receptor 2 (bacteria-expressed kinase, keratinocyte growth factor receptor, craniofacial dysostosis 1, Crouzon syndrome, Pfeiffer syndrome, Jackson-Weiss syndrome)	0.794675	Inlier
-----------------------------	---------	----	-------	--	----------	--------

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_023029	FGFR2	fibroblast growth factor receptor 2 (bacteria-expressed kinase, keratinocyte growth factor receptor, craniofacial dysostosis 1, Crouzon syndrome, Pfeiffer syndrome, Jackson-Weiss syndrome)	2.088796	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000142	FGFR3	fibroblast growth factor receptor 3 (achondroplasia, thanatophoric dwarfism)	-0.97916	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000142	FGFR3	fibroblast growth factor receptor 3 (achondroplasia, thanatophoric dwarfism)	-0.860711	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000142	FGFR3	fibroblast growth factor receptor 3 (achondroplasia, thanatophoric dwarfism)	-0.635027	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Condition	Run	Gene	Value	Category
siRNA Disorazole	DMSO	Run1	FGFR3	-0.008292	Inlier
siRNA Disorazole	DMSO	Run2	FGFR3	0.008292	Inlier
siRNA-Vinblastine	DMSO	Run1	FGFR3	0.486839	Inlier
siRNA-Vinblastine	DMSO	Run2	FGFR3	0.713973	Inlier
siRNA Disorazole	DMSO	Run3	FGFR3	0.890745	Inlier
siRNA Disorazole	DMSO	Run2	FGFR4	-1.407192	Inlier

fibroblast growth factor receptor 3 (achondroplasia, thanatophoric dwarfism) fibroblast growth factor receptor 3 (achondroplasia, thanatophoric dwarfism) fibroblast growth factor receptor 3 (achondroplasia, thanatophoric dwarfism) fibroblast growth factor receptor 3 (achondroplasia, thanatophoric dwarfism) fibroblast growth factor receptor 3 (achondroplasia, thanatophoric dwarfism) fibroblast growth factor receptor 4

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0229 63	FGFR4	fibroblast growth factor receptor 4	-0.759035	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0229 63	FGFR4	fibroblast growth factor receptor 4	-0.750943	Inlier
siRNA Disorazole DMSO Run1	NM_0229 63	FGFR4	fibroblast growth factor receptor 4	-0.247951	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0229 63	FGFR4	fibroblast growth factor receptor 4	0.247952	Inlier
siRNA Disorazole DMSO Run3	NM_0229 63	FGFR4	fibroblast growth factor receptor 4	0.53567	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0229 63	FGFR4	fibroblast growth factor receptor 4	0.598057	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0229 63	FGFR4	fibroblast growth factor receptor 4	2.831184	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0219 23	FGFRL1	fibroblast growth factor receptor- like 1	-2.787138	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0219 23	FGFRL1	fibroblast growth factor receptor- like 1	-0.910016	Inlier
siRNA Disorazole DMSO Run1	NM_0219 23	FGFRL1	fibroblast growth factor receptor- like 1	-0.438984	Inlier
siRNA Disorazole DMSO Run3	NM_0219 23	FGFRL1	fibroblast growth factor receptor- like 1	-0.032704	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Symbol	Gene Description	Value	Category
siRNA-Temozolomide Run1-DMSO	NM_021923	FGFRL1	FGFRL1	fibroblast growth factor receptor-like 1	0.032702	Inlier
siRNA-Temozolomide Run2-DMSO	NM_021923	FGFRL1	FGFRL1	fibroblast growth factor receptor-like 1	0.296744	Inlier
siRNA Disorazole DMSO Run2	NM_021923	FGFRL1	FGFRL1	fibroblast growth factor receptor-like 1	2.915008	Inlier
siRNA-Vinblastine Run1-DMSO	NM_021923	FGFRL1	FGFRL1	fibroblast growth factor receptor-like 1	3.721481	Outlier
siRNA-Temozolomide Run3-DMSO	NM_021870	FGG	FGG	fibrinogen, gamma polypeptide	-1.70217	Inlier
siRNA-Temozolomide Run2-DMSO	NM_021870	FGG	FGG	fibrinogen, gamma polypeptide	-1.067657	Inlier
siRNA Disorazole DMSO Run3	NM_021870	FGG	FGG	fibrinogen, gamma polypeptide	-0.148571	Inlier
siRNA Disorazole DMSO Run1	NM_021870	FGG	FGG	fibrinogen, gamma polypeptide	-0.062252	Inlier
siRNA-Vinblastine Run2-DMSO	NM_021870	FGG	FGG	fibrinogen, gamma polypeptide	0.062252	Inlier
siRNA-Temozolomide Run1-DMSO	NM_021870	FGG	FGG	fibrinogen, gamma polypeptide	0.281343	Inlier
siRNA Disorazole DMSO Run2	NM_021870	FGG	FGG	fibrinogen, gamma polypeptide	1.237824	Inlier
siRNA-Vinblastine Run1-DMSO	NM_021870	FGG	FGG	fibrinogen, gamma polypeptide	1.298535	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_2015		fibrinogen-like 1	
siRNA Disorazole DMSO Run3	53	FGL1		-1.780632 Inlier
siRNA-Vinblastine Run2-DMSO	NM_2015		fibrinogen-like 1	
	53	FGL1		-0.769687 Inlier
siRNA Disorazole DMSO Run1	NM_2015		fibrinogen-like 1	
	53	FGL1		-0.737588 Inlier
siRNA Disorazole DMSO Run2	NM_2015		fibrinogen-like 1	
	53	FGL1		-0.400586 Inlier
siRNA-Temozolomide Run1-DMSO	NM_2015		fibrinogen-like 1	
	53	FGL1		0.400586 Inlier
siRNA-Vinblastine Run1-DMSO	NM_2015		fibrinogen-like 1	
	53	FGL1		0.495848 Inlier
siRNA-Temozolomide Run3-DMSO	NM_2015		fibrinogen-like 1	
	53	FGL1		0.611412 Inlier
siRNA-Temozolomide Run2-DMSO	NM_2015		fibrinogen-like 1	
	53	FGL1		0.816461 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0066		fibrinogen-like 2	
	82	FGL2		-1.568715 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0066		fibrinogen-like 2	
	82	FGL2		-1.091932 Inlier
siRNA Disorazole DMSO Run2	NM_0066		fibrinogen-like 2	
	82	FGL2		-0.170471 Inlier
siRNA Disorazole DMSO Run3	NM_0066		fibrinogen-like 2	
	82	FGL2		-0.017452 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0066		fibrinogen-like 2	
	82	FGL2		0.017453 Inlier
siRNA Disorazole DMSO Run1	NM_0066		fibrinogen-like 2	
	82	FGL2		0.257068 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0066		fibrinogen-like 2	
	82	FGL2		2.467466 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0066		fibrinogen-like 2	
	82	FGL2		2.576873 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0052		Gardner-Rasheed feline sarcoma viral (v-fgr) oncogene homolog	
	48	FGR		-1.180511 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0052		Gardner-Rasheed feline sarcoma viral (v-fgr) oncogene homolog	
	48	FGR		-0.760011 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0052 48	FGR	Gardner-Rasheed feline sarcoma viral (v-fgr) oncogene homolog	-0.588989	Inlier
siRNA Disorazole DMSO Run1	NM_0052 48	FGR	Gardner-Rasheed feline sarcoma viral (v-fgr) oncogene homolog	-0.050104	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0052 48	FGR	Gardner-Rasheed feline sarcoma viral (v-fgr) oncogene homolog	0.050104	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0052 48	FGR	Gardner-Rasheed feline sarcoma viral (v-fgr) oncogene homolog	0.4215	Inlier
siRNA Disorazole DMSO Run2	NM_0052 48	FGR	Gardner-Rasheed feline sarcoma viral (v-fgr) oncogene homolog	0.849251	Inlier
siRNA Disorazole DMSO Run3	NM_0052 48	FGR	oncogene homolog	0.915878	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0001 43	FH	fumarate hydratase	-1.351998	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0001 43	FH	fumarate hydratase	-1.01424	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0001 43	FH	fumarate hydratase	-0.290207	Inlier
siRNA Disorazole DMSO Run3	NM_0001 43	FH	fumarate hydratase	-0.200453	Inlier
siRNA Disorazole DMSO Run1	NM_0001 43	FH	fumarate hydratase	0.200453	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Vinblastine Run1- DMSO	NM_0001 43	FH	fumarate hydratase	0.571236	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0001 43	FH	fumarate hydratase	0.777764	Inlier
siRNA Disorazole DMSO Run2	NM_0001 43	FH	fumarate hydratase	0.982162	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0328 43	FIBCD1	fibrinogen C domain containing 1	-1.042578	Inlier
siRNA Disorazole DMSO Run3	NM_0328 43	FIBCD1	fibrinogen C domain containing 1	-0.817595	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0328 43	FIBCD1	fibrinogen C domain containing 1	-0.665921	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0328 43	FIBCD1	fibrinogen C domain containing 1	-0.003883	Inlier
siRNA Disorazole DMSO Run1	NM_0328 43	FIBCD1	fibrinogen C domain containing 1	0.003882	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0328 43	FIBCD1	fibrinogen C domain containing 1	0.213176	Inlier
siRNA Disorazole DMSO Run2	NM_0328 43	FIBCD1	fibrinogen C domain containing 1	0.683079	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0328 43	FIBCD1	fibrinogen C domain containing 1	0.935498	Inlier
siRNA Disorazole DMSO Run1	NM_0319 35	FIBL-6	hemicentin 1	-1.410839	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0319 35	FIBL-6	hemicentin 1	-1.117188	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0319 35	FIBL-6	hemicentin 1	-0.17889	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0319 35	FIBL-6	hemicentin 1	-0.076475	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0319 35	FIBL-6	hemicentin 1	0.076474	Inlier
siRNA Disorazole DMSO Run2	NM_0319 35	FIBL-6	hemicentin 1	0.421172	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0319 35	FIBL-6	hemicentin 1	0.927828	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology siRNA Disorazole DMSO Run3	NM_0319 35	FIBL-6	hemicentin 1	1.301307	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0219 39	FKBP10	FK506 binding protein 10, 65 kDa	-1.613526	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0219 39	FKBP10	FK506 binding protein 10, 65 kDa	-0.533882	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0219 39	FKBP10	FK506 binding protein 10, 65 kDa	-0.428661	Inlier
siRNA Disorazole DMSO Run1	NM_0219 39	FKBP10	FK506 binding protein 10, 65 kDa	-0.353906	Inlier
siRNA Disorazole DMSO Run3	NM_0219 39	FKBP10	FK506 binding protein 10, 65 kDa	0.353906	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0219 39	FKBP10	FK506 binding protein 10, 65 kDa	0.815118	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0219 39	FKBP10	FK506 binding protein 10, 65 kDa	1.994798	Inlier
siRNA Disorazole DMSO Run2	NM_0219 39	FKBP10	FK506 binding protein 10, 65 kDa	2.577432	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0165 94	FKBP11	FK506 binding protein 11, 19 kDa	-0.969006	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0165 94	FKBP11	FK506 binding protein 11, 19 kDa	-0.696657	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0165 94	FKBP11	FK506 binding protein 11, 19 kDa	-0.546809	Inlier
siRNA Disorazole DMSO Run1	NM_0165 94	FKBP11	FK506 binding protein 11, 19 kDa	-0.213796	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0165 94	FKBP11	FK506 binding protein 11, 19 kDa	0.213796	Inlier
siRNA Disorazole DMSO Run3	NM_0165 94	FKBP11	FK506 binding protein 11, 19 kDa	0.652343	Inlier
siRNA Disorazole DMSO Run2	NM_0165 94	FKBP11	FK506 binding protein 11, 19 kDa	1.51	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0165 94	FKBP11	FK506 binding protein 11, 19 kDa	1.705592	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0179 46	FKBP14	FK506 binding protein 14, 22 kDa	-3.002008	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0179 46	FKBP14	FK506 binding protein 14, 22 kDa	-1.47083	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0179 46	FKBP14	FK506 binding protein 14, 22 kDa	-0.554062	Inlier
siRNA Disorazole DMSO Run1	NM_0179 46	FKBP14	FK506 binding protein 14, 22 kDa	-0.060908	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0179 46	FKBP14	FK506 binding protein 14, 22 kDa	0.060908 Inlier
siRNA Disorazole DMSO Run3	NM_0179 46	FKBP14	FK506 binding protein 14, 22 kDa	0.574583 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0179 46	FKBP14	FK506 binding protein 14, 22 kDa	0.774417 Inlier
siRNA Disorazole DMSO Run2	NM_0179 46	FKBP14	FK506 binding protein 14, 22 kDa	0.877131 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0540 14	FKBP1A	FK506 binding protein 1A, 12kDa	-1.131198 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0540 14	FKBP1A	FK506 binding protein 1A, 12kDa	-0.959199 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0540 14	FKBP1A	FK506 binding protein 1A, 12kDa	-0.04211 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0540 14	FKBP1A	FK506 binding protein 1A, 12kDa	-0.029857 Inlier
siRNA Disorazole DMSO Run3	NM_0540 14	FKBP1A	FK506 binding protein 1A, 12kDa	0.029857 Inlier
siRNA Disorazole DMSO Run1	NM_0540 14	FKBP1A	FK506 binding protein 1A, 12kDa	0.411115 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0540 14	FKBP1A	FK506 binding protein 1A, 12kDa	0.937885	Inlier
siRNA Disorazole DMSO Run2	NM_0540 14	FKBP1A	FK506 binding protein 1A, 12kDa	1.409677	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0041 16	FKBP1B	FK506 binding protein 1B, 12.6 kDa	-1.181616	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0041 16	FKBP1B	FK506 binding protein 1B, 12.6 kDa	-0.992682	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0041 16	FKBP1B	FK506 binding protein 1B, 12.6 kDa	-0.356318	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0041 16	FKBP1B	FK506 binding protein 1B, 12.6 kDa	-0.024823	Inlier
siRNA Disorazole DMSO Run3	NM_0041 16	FKBP1B	FK506 binding protein 1B, 12.6 kDa	0.024823	Inlier
siRNA Disorazole DMSO Run1	NM_0041 16	FKBP1B	FK506 binding protein 1B, 12.6 kDa	0.066625	Inlier
siRNA Disorazole DMSO Run2	NM_0041 16	FKBP1B	FK506 binding protein 1B, 12.6 kDa	1.645302	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0041 16	FKBP1B	FK506 binding protein 1B, 12.6 kDa	1.863644	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0570 92	FKBP2	FK506 binding protein 2, 13kDa	-0.889213	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0570 92	FKBP2	FK506 binding protein 2, 13kDa	-0.820975	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0570 92	FKBP2	FK506 binding protein 2, 13kDa	-0.814759	Inlier
siRNA Disorazole DMSO Run3	NM_0570 92	FKBP2	FK506 binding protein 2, 13kDa	-0.000673	Inlier
siRNA Disorazole DMSO Run1	NM_0570 92	FKBP2	FK506 binding protein 2, 13kDa	0.000673	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0570 92	FKBP2	FK506 binding protein 2, 13kDa	0.33335	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0570 92	FKBP2	FK506 binding protein 2, 13kDa	0.534241	Inlier
siRNA Disorazole DMSO Run2	NM_0570 92	FKBP2	FK506 binding protein 2, 13kDa	0.82406	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0020 13	FKBP3	FK506 binding protein 3, 25kDa	-3.374402	Inlier
siRNA Disorazole DMSO Run3	NM_0020 13	FKBP3	FK506 binding protein 3, 25kDa	-0.898029	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0020 13	FKBP3	FK506 binding protein 3, 25kDa	-0.332123	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0020 13	FKBP3	FK506 binding protein 3, 25kDa	-0.173449	Inlier
siRNA Disorazole DMSO Run1	NM_0020 13	FKBP3	FK506 binding protein 3, 25kDa	0.173449	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0020 13	FKBP3	FK506 binding protein 3, 25kDa	0.560775	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0020 13	FKBP3	FK506 binding protein 3, 25kDa	0.788225	Inlier
siRNA Disorazole DMSO Run2	NM_0020 13	FKBP3	FK506 binding protein 3, 25kDa	1.617142	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0020 14	FKBP4	FK506 binding protein 4, 59kDa	-0.874955	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0020 14	FKBP4	FK506 binding protein 4, 59kDa	-0.806367	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0020 14	FKBP4	FK506 binding protein 4, 59kDa	-0.542633	Inlier
siRNA Disorazole DMSO Run1	NM_0020 14	FKBP4	FK506 binding protein 4, 59kDa	-0.184606	Inlier
siRNA Disorazole DMSO Run3	NM_0020 14	FKBP4	FK506 binding protein 4, 59kDa	0.184606	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0020 14	FKBP4	FK506 binding protein 4, 59kDa	0.338813	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0020 14	FKBP4	FK506 binding protein 4, 59kDa	0.904208	Inlier
siRNA Disorazole DMSO Run2	NM_0020 14	FKBP4	FK506 binding protein 4, 59kDa	1.036726	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0041 17	FKBP5	FK506 binding protein 5	-3.141324	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0041 17	FKBP5	FK506 binding protein 5	-1.753519	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Protein	Weight	Score	Outlier
siRNA Disorazole DMSO Run1	NM_0041	17	FKBP5	FK506 binding protein 5	-0.837514	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0041	17	FKBP5	FK506 binding protein 5	-0.038217	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0041	17	FKBP5	FK506 binding protein 5	0.038217	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0041	17	FKBP5	FK506 binding protein 5	0.509256	Inlier
siRNA Disorazole DMSO Run3	NM_0041	17	FKBP5	FK506 binding protein 5	0.511486	Inlier
siRNA Disorazole DMSO Run2	NM_0041	17	FKBP5	FK506 binding protein 5	1.141609	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0036	02	FKBP6	FK506 binding protein 6, 36kDa	-1.717582	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0036	02	FKBP6	FK506 binding protein 6, 36kDa	-1.411245	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0036	02	FKBP6	FK506 binding protein 6, 36kDa	-0.821804	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0036	02	FKBP6	FK506 binding protein 6, 36kDa	-0.039139	Inlier
siRNA Disorazole DMSO Run1	NM_0036	02	FKBP6	FK506 binding protein 6, 36kDa	0.039139	Inlier
siRNA Disorazole DMSO Run2	NM_0036	02	FKBP6	FK506 binding protein 6, 36kDa	0.334302	Inlier
siRNA Disorazole DMSO Run3	NM_0036	02	FKBP6	FK506 binding protein 6, 36kDa	0.637155	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0036	02	FKBP6	FK506 binding protein 6, 36kDa	0.711845	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology				FK506	
siRNA-Temozolomide Run2-DMSO	NM_1813 42	FKBP7	binding protein 7	FK506	-1.070947 Inlier
siRNA-Temozolomide Run3-DMSO	NM_1813 42	FKBP7	binding protein 7	FK506	-0.866621 Inlier
siRNA-Vinblastine Run2-DMSO	NM_1813 42	FKBP7	binding protein 7	FK506	-0.482379 Inlier
siRNA Disorazole DMSO Run3	NM_1813 42	FKBP7	binding protein 7	FK506	-0.089106 Inlier
siRNA Disorazole DMSO Run1	NM_1813 42	FKBP7	binding protein 7	FK506	0.089106 Inlier
siRNA-Temozolomide Run1-DMSO	NM_1813 42	FKBP7	binding protein 7	FK506	0.105459 Inlier
siRNA Disorazole DMSO Run2	NM_1813 42	FKBP7	binding protein 7	FK506	3.032528 Inlier
siRNA-Vinblastine Run1-DMSO	NM_1813 42	FKBP7	binding protein 7	FK506	3.224243 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0121 81	FKBP8	binding protein 8, 38kDa	FK506	-1.022636 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0121 81	FKBP8	binding protein 8, 38kDa	FK506	-0.820086 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0121 81	FKBP8	binding protein 8, 38kDa	FK506	-0.528914 Inlier
siRNA Disorazole DMSO Run3	NM_0121 81	FKBP8	binding protein 8, 38kDa	FK506	-0.012176 Inlier
siRNA Disorazole DMSO Run1	NM_0121 81	FKBP8	binding protein 8, 38kDa	FK506	0.012175 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0121 81	FKBP8	binding protein 8, 38kDa	FK506	0.018911 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0121 81	FKBP8	binding protein 8, 38kDa	FK506	1.186684 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			FKBP8	FK506 binding protein 8, 38kDa	1.540958	Inlier
siRNA Disorazole DMSO Run2	NM_0121 81					
siRNA-Temozolomide Run2-DMSO	NM_0072 70		FKBP9	FK506 binding protein 9, 63 kDa	-1.473106	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0072 70		FKBP9	FK506 binding protein 9, 63 kDa	-1.388708	Inlier
siRNA Disorazole DMSO Run1	NM_0072 70		FKBP9	FK506 binding protein 9, 63 kDa	-0.180181	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0072 70		FKBP9	FK506 binding protein 9, 63 kDa	-0.121122	Inlier
siRNA Disorazole DMSO Run3	NM_0072 70		FKBP9	FK506 binding protein 9, 63 kDa	0.121122	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0072 70		FKBP9	FK506 binding protein 9, 63 kDa	0.173983	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0072 70		FKBP9	FK506 binding protein 9, 63 kDa	1.168819	Inlier
siRNA Disorazole DMSO Run2	NM_0072 70		FKBP9	FK506 binding protein 9, 63 kDa	1.611013	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0320 30		FKSG83	FKSG83	-2.18155	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0320 30		FKSG83	FKSG83	-1.723086	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0320 30		FKSG83	FKSG83	-0.615103	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0320 30		FKSG83	FKSG83	-0.036705	Inlier
siRNA Disorazole DMSO Run3	NM_0320 30		FKSG83	FKSG83	0.036705	Inlier
siRNA Disorazole DMSO Run1	NM_0320 30		FKSG83	FKSG83	0.491993	Inlier
siRNA Disorazole DMSO Run2	NM_0320 30		FKSG83	FKSG83	0.733897	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0320 30		FKSG83	FKSG83	1.570258	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0179 88	FLJ10074	SCY1-like 2 (S. cerevisiae)	-1.289062	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0179 88	FLJ10074	SCY1-like 2 (S. cerevisiae)	-0.957432	Inlier
siRNA Disorazole DMSO Run3	NM_0179 88	FLJ10074	SCY1-like 2 (S. cerevisiae)	-0.85414	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0179 88	FLJ10074	SCY1-like 2 (S. cerevisiae)	-0.05544	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0179 88	FLJ10074	SCY1-like 2 (S. cerevisiae)	0.055439	Inlier
siRNA Disorazole DMSO Run1	NM_0179 88	FLJ10074	SCY1-like 2 (S. cerevisiae)	0.282442	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0179 88	FLJ10074	SCY1-like 2 (S. cerevisiae)	0.653739	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0179 88	FLJ10074	SCY1-like 2 (S. cerevisiae)	0.695261	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0180 60	FLJ10326	SCY1-like 2 (S. cerevisiae) isoleucine- tRNA synthetase 2, mitochond rial	-2.584747	Inlier
siRNA Disorazole DMSO Run1	NM_0180 60	FLJ10326	SCY1-like 2 (S. cerevisiae) isoleucine- tRNA synthetase 2, mitochond rial	-0.721892	Inlier
siRNA Disorazole DMSO Run3	NM_0180 60	FLJ10326	SCY1-like 2 (S. cerevisiae) isoleucine- tRNA synthetase 2, mitochond rial	-0.55669	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0180 60	FLJ10326	isoleucine-tRNA synthetase 2, mitochondrial	-0.163941	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0180 60	FLJ10326	isoleucine-tRNA synthetase 2, mitochondrial	0.16394	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0180 60	FLJ10326	isoleucine-tRNA synthetase 2, mitochondrial	0.627108	Inlier
siRNA Disorazole DMSO Run2	NM_0180 60	FLJ10326	isoleucine-tRNA synthetase 2, mitochondrial	3.221877	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0180 60	FLJ10326	isoleucine-tRNA synthetase 2, mitochondrial	4.073235	Outlier
siRNA Disorazole DMSO Run3	NM_0181 46	FLJ10581	RNA methyltransferase like 1	-0.765191	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0181 46	FLJ10581	RNA methyltransferase like 1	-0.727734	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0181 46	FLJ10581	RNA methyltransferase like 1	-0.621266	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0181 46	FLJ10581	RNA methyltransferase like 1	-0.125175	Inlier
siRNA Disorazole DMSO Run1	NM_0181 46	FLJ10581	RNA methyltransferase like 1	0.125175	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Accession	Gene Name	Value	Category
siRNA-Temozolomide Run1-DMSO	NM_018146	FLJ10581	RNA methyltransferase like 1	0.483899	Inlier
siRNA-Vinblastine Run1-DMSO	NM_018146	FLJ10581	RNA methyltransferase like 1	3.378531	Inlier
siRNA Disorazole DMSO Run2	NM_018146	FLJ10581	RNA methyltransferase like 1	4.093724	Outlier
siRNA-Temozolomide Run3-DMSO	NM_018155	FLJ10618	solute carrier family 25, member 36	-0.715907	Inlier
siRNA-Temozolomide Run1-DMSO	NM_018155	FLJ10618	solute carrier family 25, member 36	-0.633093	Inlier
siRNA-Temozolomide Run2-DMSO	NM_018155	FLJ10618	solute carrier family 25, member 36	-0.473479	Inlier
siRNA Disorazole DMSO Run1	NM_018155	FLJ10618	solute carrier family 25, member 36	-0.278968	Inlier
siRNA-Vinblastine Run2-DMSO	NM_018155	FLJ10618	solute carrier family 25, member 36	0.278968	Inlier
siRNA Disorazole DMSO Run3	NM_018155	FLJ10618	solute carrier family 25, member 36	1.146356	Inlier
siRNA-Vinblastine Run1-DMSO	NM_018155	FLJ10618	solute carrier family 25, member 36	2.115272	Inlier
siRNA Disorazole DMSO Run2	NM_018155	FLJ10618	solute carrier family 25, member 36	2.15572	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Accession	Gene Name	Score	Outlier Status
siRNA Disorazole DMSO Run2	NM_0182	FLJ10842	kinase multiple substrate lipid	-0.944446	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0182	FLJ10842	kinase multiple substrate lipid	-0.738084	Inlier
siRNA Disorazole DMSO Run3	NM_0182	FLJ10842	kinase multiple substrate lipid	-0.371341	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0182	FLJ10842	kinase multiple substrate lipid	-0.345201	Inlier
siRNA Disorazole DMSO Run1	NM_0182	FLJ10842	kinase multiple substrate lipid	0.345201	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0182	FLJ10842	kinase multiple substrate lipid	0.610916	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0182	FLJ10842	kinase multiple substrate lipid	1.443673	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0182	FLJ10842	kinase multiple substrate lipid	1.622856	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0182	FLJ10858	nei endonuclease VIII-like 3 (E. coli)	-1.927401	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0182	FLJ10858	nei endonuclease VIII-like 3 (E. coli)	-0.811748	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0182	FLJ10858	nei endonuclease VIII-like 3 (E. coli)	-0.537252	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0182	FLJ10858	nei endonuclease VIII-like 3 (E. coli)	-0.353146	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0182 48	FLJ10858	nei endonucle ase VIII- like 3 (E. coli)	0.353146	Inlier
siRNA Disorazole DMSO Run2	NM_0182 48	FLJ10858	nei endonucle ase VIII- like 3 (E. coli)	0.533712	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0182 48	FLJ10858	nei endonucle ase VIII- like 3 (E. coli)	0.83709	Inlier
siRNA Disorazole DMSO Run3	NM_0182 48	FLJ10858	nei endonucle ase VIII- like 3 (E. coli)	3.249472	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0182 81	FLJ10948	enoyl Coenzyme A hydratase domain containing 2	-1.071811	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0182 81	FLJ10948	enoyl Coenzyme A hydratase domain containing 2	-1.041878	Inlier
siRNA Disorazole DMSO Run3	NM_0182 81	FLJ10948	enoyl Coenzyme A hydratase domain containing 2	-0.016137	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0182 81	FLJ10948	enoyl Coenzyme A hydratase domain containing 2	-0.003873	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Accession	Domain	Score	Outlier
siRNA-Vinblastine Run2-DMSO	NM_018281	FLJ10948	enoyl Coenzyme A hydratase domain containing 2	0.003873	Inlier
siRNA Disorazole DMSO Run1	NM_018281	FLJ10948	enoyl Coenzyme A hydratase domain containing 2	0.31677	Inlier
siRNA Disorazole DMSO Run2	NM_018281	FLJ10948	enoyl Coenzyme A hydratase domain containing 2	1.03223	Inlier
siRNA-Vinblastine Run1-DMSO	NM_018281	FLJ10948	enoyl Coenzyme A hydratase domain containing 2	1.386996	Inlier
siRNA-Temozolomide Run3-DMSO	NM_00101482	FLJ11011	FLJ11011	-0.911028	Inlier
siRNA-Vinblastine Run2-DMSO	NM_00101482	FLJ11011	FLJ11011	-0.764316	Inlier
siRNA Disorazole DMSO Run3	NM_00101482	FLJ11011	FLJ11011	-0.634458	Inlier
siRNA-Temozolomide Run2-DMSO	NM_00101482	FLJ11011	FLJ11011	-0.092174	Inlier
siRNA Disorazole DMSO Run2	NM_00101482	FLJ11011	FLJ11011	0.092174	Inlier
siRNA-Vinblastine Run1-DMSO	NM_00101482	FLJ11011	FLJ11011	0.525708	Inlier
siRNA Disorazole DMSO Run1	NM_00101482	FLJ11011	FLJ11011	0.714542	Inlier
siRNA-Temozolomide Run1-DMSO	NM_00101482	FLJ11011	FLJ11011	0.719062	Inlier
siRNA-Temozolomide Run3-DMSO	NM_018309	FLJ11046	FLJ11046	-0.884373	Inlier
siRNA Disorazole DMSO Run3	NM_018309	FLJ11046	FLJ11046	-0.464627	Inlier
siRNA-Vinblastine Run2-DMSO	NM_018309	FLJ11046	FLJ11046	-0.030059	Inlier
siRNA-Temozolomide Run2-DMSO	NM_018309	FLJ11046	FLJ11046	-0.01659	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_0183				
siRNA Disorazole DMSO Run1	09	FLJ11046	FLJ11046	0.016591	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0183 09	FLJ11046	FLJ11046	1.393215	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0183 09	FLJ11046	FLJ11046	1.607342	Inlier
siRNA Disorazole DMSO Run2	NM_0183 09	FLJ11046	FLJ11046	1.623061	Inlier
			chromosome 15		
			open reading		
siRNA-Temozolomide Run3-DMSO	NM_0249 70	FLJ11722	frame 28	-1.228449	Inlier
			chromosome 15		
			open reading		
siRNA-Temozolomide Run2-DMSO	NM_0249 70	FLJ11722	frame 28	-1.226751	Inlier
			chromosome 15		
			open reading		
siRNA Disorazole DMSO Run1	NM_0249 70	FLJ11722	frame 28	-0.803892	Inlier
			chromosome 15		
			open reading		
siRNA Disorazole DMSO Run3	NM_0249 70	FLJ11722	frame 28	-0.105174	Inlier
			chromosome 15		
			open reading		
siRNA-Vinblastine Run2-DMSO	NM_0249 70	FLJ11722	frame 28	0.105174	Inlier
			chromosome 15		
			open reading		
siRNA-Temozolomide Run1-DMSO	NM_0249 70	FLJ11722	frame 28	0.370984	Inlier
			chromosome 15		
			open reading		
siRNA Disorazole DMSO Run2	NM_0249 70	FLJ11722	frame 28	0.545108	Inlier
			chromosome 15		
			open reading		
siRNA-Vinblastine Run1-DMSO	NM_0249 70	FLJ11722	frame 28	0.881554	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_024606	FLJ11756	dynein, cytoplasmic, heavy polypeptide 2	-2.34622	Inlier
siRNA-Temozolomide Run2-DMSO	NM_024606	FLJ11756	dynein, cytoplasmic, heavy polypeptide 2	-1.051375	Inlier
siRNA Disorazole DMSO Run1	NM_024606	FLJ11756	dynein, cytoplasmic, heavy polypeptide 2	-0.297625	Inlier
siRNA Disorazole DMSO Run3	NM_024606	FLJ11756	dynein, cytoplasmic, heavy polypeptide 2	-0.167338	Inlier
siRNA-Vinblastine Run2-DMSO	NM_024606	FLJ11756	dynein, cytoplasmic, heavy polypeptide 2	0.167336	Inlier
siRNA-Temozolomide Run1-DMSO	NM_024606	FLJ11756	dynein, cytoplasmic, heavy polypeptide 2	0.258761	Inlier
siRNA Disorazole DMSO Run2	NM_024606	FLJ11756	dynein, cytoplasmic, heavy polypeptide 2	1.720331	Inlier
siRNA-Vinblastine Run1-DMSO	NM_024606	FLJ11756	dynein, cytoplasmic, heavy polypeptide 2	4.090857	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0246 81	FLJ12242	potassium channel tetrameris ation domain containing 17	-1.376597	Inlier
siRNA Disorazole DMSO Run2	NM_0246 81	FLJ12242	potassium channel tetrameris ation domain containing 17	-0.62074	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0246 81	FLJ12242	potassium channel tetrameris ation domain containing 17	-0.421124	Inlier
siRNA Disorazole DMSO Run3	NM_0246 81	FLJ12242	potassium channel tetrameris ation domain containing 17	-0.162111	Inlier
siRNA Disorazole DMSO Run1	NM_0246 81	FLJ12242	potassium channel tetrameris ation domain containing 17	0.162111	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0246 81	FLJ12242	potassium channel tetrameris ation domain containing 17	0.72826	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0246 81	FLJ12242	potassium channel tetrameris ation domain containing 17	1.46272	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0246 81	FLJ12242	potassium channel tetrameris ation domain containing 17	1.658948	Inlier
siRNA Disorazole DMSO Run1	NM_0227 84	FLJ12476	FLJ12476	-1.051948	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0227 84	FLJ12476	FLJ12476	-0.629443	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0227 84	FLJ12476	FLJ12476	-0.621883	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0227 84	FLJ12476	FLJ12476	-0.108069	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0227 84	FLJ12476	FLJ12476	0.108069	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0227 84	FLJ12476	FLJ12476	0.719557	Inlier
siRNA Disorazole DMSO Run2	NM_0227 84	FLJ12476	FLJ12476	1.620852	Inlier
siRNA Disorazole DMSO Run3	NM_0321 84	FLJ12476	FLJ12476	2.945738	Inlier
siRNA Disorazole DMSO Run1	NM_0321 69	FLJ12592	FLJ12592	-3.544322	Outlier
siRNA-Vinblastine Run1-DMSO	NM_0321 69	FLJ12592	FLJ12592	-3.014283	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0321 69	FLJ12592	FLJ12592	-0.59764	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0321 69	FLJ12592	FLJ12592	-0.126588	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0321 69	FLJ12592	FLJ12592	0.12659	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0321 69	FLJ12592	FLJ12592	0.240402	Inlier
siRNA Disorazole DMSO Run3	NM_0321 69	FLJ12592	FLJ12592	0.75136	Inlier
siRNA Disorazole DMSO Run2	NM_0230 69	FLJ12592	FLJ12592	2.68046	Inlier
siRNA Disorazole DMSO Run2	NM_0230 18	FLJ13052	kinase NAD	-2.825996	Inlier
siRNA Disorazole DMSO Run3	NM_0230 18	FLJ13052	kinase	-0.644572	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Temozolomide Run3- DMSO	NM_0230 18	FLJ13052	NAD kinase	-0.446088	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0230 18	FLJ13052	NAD kinase	-0.282696	Inlier
siRNA Disorazole DMSO Run1	NM_0230 18	FLJ13052	NAD kinase	0.282696	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0230 18	FLJ13052	NAD kinase	0.704427	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0230 18	FLJ13052	NAD kinase	1.382981	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0230 18	FLJ13052	NAD kinase	1.542607	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0245 92	FLJ13352	FLJ13352	-1.907997	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0245 92	FLJ13352	FLJ13352	-1.39882	Inlier
siRNA Disorazole DMSO Run3	NM_0245 92	FLJ13352	FLJ13352	-0.591181	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0245 92	FLJ13352	FLJ13352	-0.233675	Inlier
siRNA Disorazole DMSO Run2	NM_0245 92	FLJ13352	FLJ13352	0.233675	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0245 92	FLJ13352	FLJ13352	0.344162	Inlier
siRNA Disorazole DMSO Run1	NM_0245 92	FLJ13352	FLJ13352	0.757819	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0245 92	FLJ13352	FLJ13352	1.389953	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0248 17	FLJ13710	FLJ13710	-1.10389	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0248 17	FLJ13710	FLJ13710	-0.678009	Inlier
siRNA Disorazole DMSO Run1	NM_0248 17	FLJ13710	FLJ13710	-0.670991	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0248 17	FLJ13710	FLJ13710	-0.370942	Inlier
siRNA Disorazole DMSO Run3	NM_0248 17	FLJ13710	FLJ13710	0.370941	Inlier
siRNA Disorazole DMSO Run2	NM_0248 17	FLJ13710	FLJ13710	0.62139	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0248 17	FLJ13710	FLJ13710	1.213906	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0248 17	FLJ13710	FLJ13710	1.266508	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0230 79	FLJ13855	FLJ13855	-0.867818	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0230 79	FLJ13855	FLJ13855	-0.806607	Inlier
siRNA Disorazole DMSO Run3	NM_0230 79	FLJ13855	FLJ13855	-0.190537	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0230 79	FLJ13855	FLJ13855	-0.018202	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Temozolomide Run1- DMSO	NM_0230 79	FLJ13855	FLJ13855	0.018202	Inlier
siRNA Disorazole DMSO Run1	NM_0230 79	FLJ13855	FLJ13855	0.542393	Inlier
siRNA Disorazole DMSO Run2	NM_0230 79	FLJ13855	FLJ13855	0.941029	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0230 79	FLJ13855	FLJ13855	0.947733	Inlier
siRNA Disorazole DMSO Run1	NM_0327 85	FLJ14442	ATP/GTP binding protein- like 4	-1.555841	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0327 85	FLJ14442	ATP/GTP binding protein- like 4	-0.8459	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0327 85	FLJ14442	ATP/GTP binding protein- like 4	-0.243288	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0327 85	FLJ14442	ATP/GTP binding protein- like 4	-0.088518	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0327 85	FLJ14442	ATP/GTP binding protein- like 4	0.088517	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0327 85	FLJ14442	ATP/GTP binding protein- like 4	0.5031	Inlier
siRNA Disorazole DMSO Run3	NM_0327 85	FLJ14442	ATP/GTP binding protein- like 4	2.346647	Inlier
siRNA Disorazole DMSO Run2	NM_0327 85	FLJ14442	ATP/GTP binding protein- like 4	3.659475	Outlier
siRNA-Temozolomide Run3- DMSO	NM_0328 24	FLJ14681	FLJ14681	-2.464196	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0328 24	FLJ14681	FLJ14681	-0.855047	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0328 24	FLJ14681	FLJ14681	-0.493953	Inlier
siRNA Disorazole DMSO Run1	NM_0328 24	FLJ14681	FLJ14681	-0.056104	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0328 24	FLJ14681	FLJ14681	0.056105	Inlier
siRNA Disorazole DMSO Run3	NM_0328 24	FLJ14681	FLJ14681	0.05877	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA Treatment	Gene ID	Accession 1	Accession 2	Log Fold Change	Outlier Status
siRNA-Vinblastine Run1-DMSO	NM_0328	24	FLJ14681	FLJ14681	1.079466 Inlier
siRNA Disorazole DMSO Run2	NM_0328	24	FLJ14681	FLJ14681	1.311197 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0177	22	FLJ20244	FLJ20244	-0.91783 Inlier
siRNA Disorazole DMSO Run1	NM_0177	22	FLJ20244	FLJ20244	-0.875981 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0177	22	FLJ20244	FLJ20244	-0.473019 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0177	22	FLJ20244	FLJ20244	-0.05655 Inlier
siRNA Disorazole DMSO Run2	NM_0177	22	FLJ20244	FLJ20244	0.05655 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0177	22	FLJ20244	FLJ20244	0.449556 Inlier
siRNA Disorazole DMSO Run3	NM_0177	22	FLJ20244	FLJ20244	1.519155 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0177	22	FLJ20244	FLJ20244	3.483107 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0177	39	FLJ20277	protein O-linked mannose beta1,2-N-acetylglucosaminyltransferase	-0.980375 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0177	39	FLJ20277	protein O-linked mannose beta1,2-N-acetylglucosaminyltransferase	-0.845926 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0177	39	FLJ20277	protein O-linked mannose beta1,2-N-acetylglucosaminyltransferase	-0.16892 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0177	39	FLJ20277	protein O-linked mannose beta1,2-N-acetylglucosaminyltransferase	-0.029519 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0177 39	FLJ20277	protein O-linked mannose beta1,2-N-acetylgluc osaminyltr ansferase	0.029519	Inlier
siRNA Disorazole DMSO Run3	NM_0177 39	FLJ20277	protein O-linked mannose beta1,2-N-acetylgluc osaminyltr ansferase	0.503074	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0177 39	FLJ20277	protein O-linked mannose beta1,2-N-acetylgluc osaminyltr ansferase	2.172468	Inlier
siRNA Disorazole DMSO Run2	NM_0177 39	FLJ20277	protein O-linked mannose beta1,2-N-acetylgluc osaminyltr ansferase	2.959639	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0178 86	FLJ20574	unc-51-like kinase 4 (C. elegans)	-1.415349	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0178 86	FLJ20574	unc-51-like kinase 4 (C. elegans)	-0.769129	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0178 86	FLJ20574	unc-51-like kinase 4 (C. elegans)	-0.352169	Inlier
siRNA Disorazole DMSO Run2	NM_0178 86	FLJ20574	unc-51-like kinase 4 (C. elegans)	-0.342781	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0178 86	FLJ20574	unc-51- like kinase 4 (C. elegans)	0.342781	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0178 86	FLJ20574	unc-51- like kinase 4 (C. elegans)	0.640296	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0178 86	FLJ20574	unc-51- like kinase 4 (C. elegans)	0.708704	Inlier
siRNA Disorazole DMSO Run1	NM_0178 86	FLJ20574	unc-51- like kinase 4 (C. elegans)	0.729827	Inlier
siRNA Disorazole DMSO Run3	NM_0179 10	FLJ20628	FLJ20628	-0.964149	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0179 10	FLJ20628	FLJ20628	-0.812116	Inlier
siRNA Disorazole DMSO Run1	NM_0179 10	FLJ20628	FLJ20628	-0.536884	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0179 10	FLJ20628	FLJ20628	-0.013438	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0179 10	FLJ20628	FLJ20628	0.013438	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0179 10	FLJ20628	FLJ20628	0.077073	Inlier
siRNA Disorazole DMSO Run2	NM_0179 10	FLJ20628	FLJ20628	1.967394	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0179 10	FLJ20628	FLJ20628	4.080725	Outlier
siRNA-Temozolomide Run3- DMSO	NM_0249 22	FLJ21736	FLJ21736	-0.842982	Inlier
siRNA Disorazole DMSO Run3	NM_0249 22	FLJ21736	FLJ21736	-0.638954	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0249 22	FLJ21736	FLJ21736	-0.511468	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0249 22	FLJ21736	FLJ21736	-0.331075	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0249 22	FLJ21736	FLJ21736	0.331075	Inlier
siRNA Disorazole DMSO Run1	NM_0249 22	FLJ21736	FLJ21736	0.710046	Inlier
siRNA Disorazole DMSO Run2	NM_0249 22	FLJ21736	FLJ21736	1.632119	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0249 22	FLJ21736	FLJ21736	1.998079	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Temozolomide Run3- DMSO	NM_0218 31	FLJ21839	FLJ21839	-1.723508	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0218 31	FLJ21839	FLJ21839	-1.662352	Inlier
siRNA Disorazole DMSO Run3	NM_0218 31	FLJ21839	FLJ21839	-0.205614	Inlier
siRNA Disorazole DMSO Run1	NM_0218 31	FLJ21839	FLJ21839	-0.124193	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0218 31	FLJ21839	FLJ21839	0.124193	Inlier
siRNA Disorazole DMSO Run2	NM_0218 31	FLJ21839	FLJ21839	0.378972	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0218 31	FLJ21839	FLJ21839	0.970028	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0218 31	FLJ21839	FLJ21839	0.972794	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0245 60	FLJ21963	FLJ21963	-0.687634	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0245 60	FLJ21963	FLJ21963	-0.661367	Inlier
siRNA Disorazole DMSO Run1	NM_0245 60	FLJ21963	FLJ21963	-0.592944	Inlier
siRNA Disorazole DMSO Run3	NM_0245 60	FLJ21963	FLJ21963	-0.412192	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0245 60	FLJ21963	FLJ21963	0.412192	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0245 60	FLJ21963	FLJ21963	0.979278	Inlier
siRNA Disorazole DMSO Run2	NM_0245 60	FLJ21963	FLJ21963	1.739765	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0245 60	FLJ21963	FLJ21963	1.878923	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0248 54	FLJ22028	FLJ22028	-1.413181	Inlier
siRNA Disorazole DMSO Run1	NM_0248 54	FLJ22028	FLJ22028	-0.890978	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0248 54	FLJ22028	FLJ22028	-0.458022	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0248 54	FLJ22028	FLJ22028	-0.019342	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0248 54	FLJ22028	FLJ22028	0.019343	Inlier
siRNA Disorazole DMSO Run3	NM_0248 54	FLJ22028	FLJ22028	0.13698	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0248 54	FLJ22028	FLJ22028	1.606579	Inlier
siRNA Disorazole DMSO Run2	NM_0248 54	FLJ22028	FLJ22028	2.324284	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0250 47	FLJ22595	ADP- ribosylatio n factor 7	-1.377206	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0250 47	FLJ22595	ADP-ribosylation factor 7	-0.790998	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0250 47	FLJ22595	ADP-ribosylation factor 7	-0.327511	Inlier
siRNA Disorazole DMSO Run3	NM_0250 47	FLJ22595	ADP-ribosylation factor 7	-0.268434	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0250 47	FLJ22595	ADP-ribosylation factor 7	0.268434	Inlier
siRNA Disorazole DMSO Run1	NM_0250 47	FLJ22595	ADP-ribosylation factor 7	0.558002	Inlier
siRNA Disorazole DMSO Run2	NM_0250 47	FLJ22595	ADP-ribosylation factor 7	0.961243	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0250 47	FLJ22595	ADP-ribosylation factor 7	1.328549	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0219 28	FLJ22649	signal peptidase complex subunit 3 homolog (S. cerevisiae)	-1.339529	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0219 28	FLJ22649	signal peptidase complex subunit 3 homolog (S. cerevisiae)	-0.63299	Inlier
siRNA Disorazole DMSO Run2	NM_0219 28	FLJ22649	signal peptidase complex subunit 3 homolog (S. cerevisiae)	-0.5392	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0219 28	FLJ22649	signal peptidase complex subunit 3 homolog (S. cerevisiae)	-0.455901	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0219 28	FLJ22649	signal peptidase complex subunit 3 homolog (S. cerevisiae)	0.455901	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0219 28	FLJ22649	signal peptidase complex subunit 3 homolog (S. cerevisiae)	0.71601	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0219 28	FLJ22649	signal peptidase complex subunit 3 homolog (S. cerevisiae)	2.133855	Inlier
siRNA Disorazole DMSO Run3	NM_0219 28	FLJ22649	signal peptidase complex subunit 3 homolog (S. cerevisiae)	3.096646	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0247 30	FLJ22655	FLJ22655	-1.231738	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0247 30	FLJ22655	FLJ22655	-0.826869	Inlier
siRNA Disorazole DMSO Run3	NM_0247 30	FLJ22655	FLJ22655	-0.522131	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0247 30	FLJ22655	FLJ22655	-0.086271	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0247 30	FLJ22655	FLJ22655	0.086271	Inlier
siRNA Disorazole DMSO Run1	NM_0247 30	FLJ22655	FLJ22655	0.452842	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA Treatment	Gene ID	Accession	Accession	Log Fold Change	Outlier Status
siRNA-Vinblastine Run1-DMSO	NM_0247	FLJ22655	FLJ22655	1.058857	Inlier
siRNA Disorazole DMSO Run2	NM_0247	FLJ22655	FLJ22655	1.433039	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0251	FLJ22761	1	-0.841535	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0251	FLJ22761	1	-0.631851	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0251	FLJ22761	1	-0.310902	Inlier
siRNA Disorazole DMSO Run3	NM_0251	FLJ22761	1	-0.178952	Inlier
siRNA Disorazole DMSO Run1	NM_0251	FLJ22761	1	0.178952	Inlier
siRNA Disorazole DMSO Run2	NM_0251	FLJ22761	1	0.717149	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0251	FLJ22761	1	0.765564	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0251	FLJ22761	1	1.027377	Inlier
siRNA Disorazole DMSO Run2	NM_0010	FLJ23074	1	-1.850866	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010	FLJ23074	1	-0.958453	Inlier

Yeast
 Sps1/Ste2
 0-related
 kinase 4
 (S.

Yeast
 Sps1/Ste2
 0-related
 kinase 4
 (S.

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0010 18046	FLJ23074	Yeast Sps1/Ste2 0-related kinase 4 (S. cerevisiae)	-0.421347	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 18046	FLJ23074	Yeast Sps1/Ste2 0-related kinase 4 (S. cerevisiae)	-0.115273	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 18046	FLJ23074	Yeast Sps1/Ste2 0-related kinase 4 (S. cerevisiae)	0.115273	Inlier
siRNA Disorazole DMSO Run3	NM_0010 18046	FLJ23074	Yeast Sps1/Ste2 0-related kinase 4 (S. cerevisiae)	0.414396	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 18046	FLJ23074	Yeast Sps1/Ste2 0-related kinase 4 (S. cerevisiae)	0.927653	Inlier
siRNA Disorazole DMSO Run1	NM_0010 18046	FLJ23074	Yeast Sps1/Ste2 0-related kinase 4 (S. cerevisiae)	0.97901	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0249 55	FLJ23322	FLJ23322	-1.148886	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0249 55	FLJ23322	FLJ23322	-0.260239	Inlier
siRNA Disorazole DMSO Run3	NM_0249 55	FLJ23322	FLJ23322	-0.142114	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0249 55	FLJ23322	FLJ23322	-0.070327	Inlier
siRNA Disorazole DMSO Run1	NM_0249 55	FLJ23322	FLJ23322	0.070327	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA-Temozolomide Run1- DMSO	NM_0249 55	FLJ23322	FLJ23322	1.088761	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0249 55	FLJ23322	FLJ23322	2.846498	Inlier
siRNA Disorazole DMSO Run2	NM_0249 55	FLJ23322	FLJ23322	3.26923	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0322 37	FLJ23356	FLJ23356	-0.981344	Inlier
siRNA Disorazole DMSO Run1	NM_0322 37	FLJ23356	FLJ23356	-0.570585	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0322 37	FLJ23356	FLJ23356	-0.448022	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0322 37	FLJ23356	FLJ23356	-0.164781	Inlier
siRNA Disorazole DMSO Run3	NM_0322 37	FLJ23356	FLJ23356	0.164781	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0322 37	FLJ23356	FLJ23356	0.778415	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0322 37	FLJ23356	FLJ23356	0.824862	Inlier
siRNA Disorazole DMSO Run2	NM_0322 37	FLJ23356	FLJ23356	1.629833	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0247 83	FLJ23598	ATP/GTP binding protein- like 2	-1.377162	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0247 83	FLJ23598	ATP/GTP binding protein- like 2	-1.336906	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0247 83	FLJ23598	ATP/GTP binding protein- like 2	-0.543516	Inlier
siRNA Disorazole DMSO Run1	NM_0247 83	FLJ23598	ATP/GTP binding protein- like 2	-0.296069	Inlier
siRNA Disorazole DMSO Run2	NM_0247 83	FLJ23598	ATP/GTP binding protein- like 2	0.29607	Inlier
siRNA Disorazole DMSO Run3	NM_0247 83	FLJ23598	ATP/GTP binding protein- like 2	0.44258	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0247 83	FLJ23598	ATP/GTP binding protein- like 2	0.805484	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology		ATP/GTP binding protein-like 2		
siRNA-Vinblastine Run2-DMSO	NM_0247 83	FLJ23598	like 2	0.812338 Inlier
siRNA-Temozolomide Run3-DMSO	NM_1522 71	FLJ23749	FLJ23749	-1.571317 Inlier
siRNA-Temozolomide Run1-DMSO	NM_1522 71	FLJ23749	FLJ23749	-0.959692 Inlier
siRNA-Temozolomide Run2-DMSO	NM_1522 71	FLJ23749	FLJ23749	-0.956303 Inlier
siRNA Disorazole DMSO Run1	NM_1522 71	FLJ23749	FLJ23749	-0.169105 Inlier
siRNA Disorazole DMSO Run2	NM_1522 71	FLJ23749	FLJ23749	0.169106 Inlier
siRNA-Vinblastine Run2-DMSO	NM_1522 71	FLJ23749	FLJ23749	0.258873 Inlier
siRNA Disorazole DMSO Run3	NM_1522 71	FLJ23749	FLJ23749	0.392697 Inlier
siRNA-Vinblastine Run1-DMSO	NM_1522 71	FLJ23749	FLJ23749	2.080458 Inlier
siRNA-Temozolomide Run3-DMSO	NM_1522 82	FLJ23751	acid phosphatase-like 2	-3.564546 Outlier
siRNA-Vinblastine Run2-DMSO	NM_1522 82	FLJ23751	acid phosphatase-like 2	-1.611808 Inlier
siRNA-Temozolomide Run2-DMSO	NM_1522 82	FLJ23751	acid phosphatase-like 2	-0.273863 Inlier
siRNA-Vinblastine Run1-DMSO	NM_1522 82	FLJ23751	acid phosphatase-like 2	-0.061257 Inlier
siRNA Disorazole DMSO Run3	NM_1522 82	FLJ23751	acid phosphatase-like 2	0.061257 Inlier
siRNA Disorazole DMSO Run1	NM_1522 82	FLJ23751	acid phosphatase-like 2	0.579725 Inlier
siRNA-Temozolomide Run1-DMSO	NM_1522 82	FLJ23751	acid phosphatase-like 2	0.769275 Inlier
siRNA Disorazole DMSO Run2	NM_1522 82	FLJ23751	acid phosphatase-like 2	1.736447 Inlier
siRNA-Temozolomide Run1-DMSO	NM_1446 10	FLJ25006	FLJ25006	-1.739675 Inlier
siRNA Disorazole DMSO Run2	NM_1446 10	FLJ25006	FLJ25006	-0.848476 Inlier
siRNA-Temozolomide Run3-DMSO	NM_1446 10	FLJ25006	FLJ25006	-0.371249 Inlier
siRNA-Temozolomide Run2-DMSO	NM_1446 10	FLJ25006	FLJ25006	-0.026876 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_1446				
siRNA Disorazole DMSO Run1	10	FLJ25006	FLJ25006	0.026875	Inlier
	NM_1446				
siRNA Disorazole DMSO Run3	10	FLJ25006	FLJ25006	0.500524	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1446				
	10	FLJ25006	FLJ25006	2.359371	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1446				
	10	FLJ25006	FLJ25006	2.9918	Inlier
	NM_1449				
siRNA Disorazole DMSO Run1	81	FLJ25059	FLJ25059	-1.059186	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1449				
	81	FLJ25059	FLJ25059	-0.763162	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1449				
	81	FLJ25059	FLJ25059	-0.268765	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1449				
	81	FLJ25059	FLJ25059	-0.010277	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1449				
	81	FLJ25059	FLJ25059	0.010278	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1449				
	81	FLJ25059	FLJ25059	0.621609	Inlier
	NM_1449				
siRNA Disorazole DMSO Run2	81	FLJ25059	FLJ25059	0.727391	Inlier
	NM_1449				
siRNA Disorazole DMSO Run3	81	FLJ25059	FLJ25059	2.016348	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1446				
	51	FLJ25471	FLJ25471	-1.594419	Inlier
	NM_1446				
siRNA Disorazole DMSO Run1	51	FLJ25471	FLJ25471	-1.12841	Inlier
	NM_1446				
siRNA Disorazole DMSO Run3	51	FLJ25471	FLJ25471	-0.696939	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1446				
	51	FLJ25471	FLJ25471	-0.39104	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1446				
	51	FLJ25471	FLJ25471	0.39104	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1446				
	51	FLJ25471	FLJ25471	0.396501	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1446				
	51	FLJ25471	FLJ25471	0.652061	Inlier
	NM_1446				
siRNA Disorazole DMSO Run2	51	FLJ25471	FLJ25471	1.173478	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1735				
	53	FLJ25801	FLJ25801	-1.984724	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1735				
	53	FLJ25801	FLJ25801	-0.757028	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1735				
	53	FLJ25801	FLJ25801	-0.591971	Inlier
	NM_1735				
siRNA Disorazole DMSO Run1	53	FLJ25801	FLJ25801	-0.362231	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1735				
	53	FLJ25801	FLJ25801	0.362233	Inlier
	NM_1735				
siRNA Disorazole DMSO Run3	53	FLJ25801	FLJ25801	0.581793	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_1735				
siRNA Disorazole DMSO Run2	53	FLJ25801	FLJ25801	2.152831	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1735 53	FLJ25801	FLJ25801	4.575435	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0010 18060	FLJ30473	FLJ30473	-1.659878	Inlier
siRNA Disorazole DMSO Run3	NM_0010 18060	FLJ30473	FLJ30473	-1.1141	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 18060	FLJ30473	FLJ30473	-0.410489	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 18060	FLJ30473	FLJ30473	-0.08738	Inlier
siRNA Disorazole DMSO Run1	NM_0010 18060	FLJ30473	FLJ30473	0.08738	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 18060	FLJ30473	FLJ30473	0.598732	Inlier
siRNA Disorazole DMSO Run2	NM_0010 18060	FLJ30473	FLJ30473	0.750268	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 18060	FLJ30473	FLJ30473	1.419879	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1532 10	FLJ30626	ubiquitin specific protease 43	-0.955015	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1532 10	FLJ30626	ubiquitin specific protease 43	-0.724037	Inlier
siRNA Disorazole DMSO Run3	NM_1532 10	FLJ30626	ubiquitin specific protease 43	-0.397966	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1532 10	FLJ30626	ubiquitin specific protease 43	-0.099105	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1532 10	FLJ30626	ubiquitin specific protease 43	0.099105	Inlier
siRNA Disorazole DMSO Run2	NM_1532 10	FLJ30626	ubiquitin specific protease 43	0.624963	Inlier
siRNA Disorazole DMSO Run1	NM_1532 10	FLJ30626	ubiquitin specific protease 43	0.778071	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1532 10	FLJ30626	ubiquitin specific protease 43	1.229461	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA-Temozolomide Run2- DMSO	NM_1450 24	FLJ31547	FLJ31547	-0.96951	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1450 24	FLJ31547	FLJ31547	-0.783635	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1450 24	FLJ31547	FLJ31547	-0.16024	Inlier
siRNA Disorazole DMSO Run1	NM_1450 24	FLJ31547	FLJ31547	-0.026027	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1450 24	FLJ31547	FLJ31547	0.026026	Inlier
siRNA Disorazole DMSO Run3	NM_1450 24	FLJ31547	FLJ31547	0.565364	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1450 24	FLJ31547	FLJ31547	1.528663	Inlier
siRNA Disorazole DMSO Run2	NM_1450 24	FLJ31547	FLJ31547	1.812518	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1523 36	FLJ32310	FLJ32310	-0.675995	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1523 36	FLJ32310	FLJ32310	-0.673005	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1523 36	FLJ32310	FLJ32310	-0.480093	Inlier
siRNA Disorazole DMSO Run1	NM_1523 36	FLJ32310	FLJ32310	-0.195551	Inlier
siRNA Disorazole DMSO Run3	NM_1523 36	FLJ32310	FLJ32310	0.195551	Inlier
siRNA Disorazole DMSO Run2	NM_1523 36	FLJ32310	FLJ32310	0.853017	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1523 36	FLJ32310	FLJ32310	0.98066	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1523 36	FLJ32310	FLJ32310	1.072171	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1446 41	FLJ32332	)	-1.765176	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1446 41	FLJ32332	)	-1.03039	Inlier

protein
phosphata
se 1M
(PP2C
domain
containing
)
protein
phosphata
se 1M
(PP2C
domain
containing
)

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_1446 41	FLJ32332	protein phosphatase 1M (PP2C domain containing)	-0.280961	Inlier
siRNA Disorazole DMSO Run1	NM_1446 41	FLJ32332	protein phosphatase 1M (PP2C domain containing)	-0.18504	Inlier
siRNA Disorazole DMSO Run2	NM_1446 41	FLJ32332	protein phosphatase 1M (PP2C domain containing)	0.18504	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1446 41	FLJ32332	protein phosphatase 1M (PP2C domain containing)	0.567279	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1446 41	FLJ32332	protein phosphatase 1M (PP2C domain containing)	0.781721	Inlier
siRNA Disorazole DMSO Run3	NM_1446 41	FLJ32332	protein phosphatase 1M (PP2C domain containing)	0.891603	Inlier
siRNA Disorazole DMSO Run2	NM_1525 34	FLJ32685	NIMA (never in mitosis gene a)-related kinase 10	-1.172734	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Accession	Gene Name	Value	Category
siRNA-Temozolomide Run3-DMSO	NM_152534	FLJ32685	NIMA (never in mitosis gene a)-related kinase 10	-0.920323	Inlier
siRNA Disorazole DMSO Run3	NM_152534	FLJ32685	NIMA (never in mitosis gene a)-related kinase 10	-0.18259	Inlier
siRNA-Temozolomide Run1-DMSO	NM_152534	FLJ32685	NIMA (never in mitosis gene a)-related kinase 10	-0.136071	Inlier
siRNA-Temozolomide Run2-DMSO	NM_152534	FLJ32685	NIMA (never in mitosis gene a)-related kinase 10	0.136071	Inlier
siRNA Disorazole DMSO Run1	NM_152534	FLJ32685	NIMA (never in mitosis gene a)-related kinase 10	0.457314	Inlier
siRNA-Vinblastine Run2-DMSO	NM_152534	FLJ32685	NIMA (never in mitosis gene a)-related kinase 10	0.891686	Inlier
siRNA-Vinblastine Run1-DMSO	NM_152534	FLJ32685	NIMA (never in mitosis gene a)-related kinase 10	0.921578	Inlier
siRNA-Temozolomide Run2-DMSO	NM_173641	FLJ33655	EPH receptor A10	-1.265023	Inlier
siRNA-Temozolomide Run3-DMSO	NM_173641	FLJ33655	EPH receptor A10	-0.759008	Inlier
siRNA Disorazole DMSO Run1	NM_173641	FLJ33655	EPH receptor A10	-0.584375	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology			EPH		
siRNA-Vinblastine Run2-DMSO	NM_1736 41	FLJ33655	receptor A10	-0.183411	Inlier
siRNA Disorazole DMSO Run3	NM_1736 41	FLJ33655	receptor A10	0.183411	Inlier
siRNA Disorazole DMSO Run2	NM_1736 41	FLJ33655	receptor A10	0.589992	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1736 41	FLJ33655	receptor A10	1.468855	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1736 41	FLJ33655	receptor A10	1.598641	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1526 49	FLJ34389	mixed lineage kinase domain-like	-1.151503	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1526 49	FLJ34389	mixed lineage kinase domain-like	-0.448873	Inlier
siRNA Disorazole DMSO Run2	NM_1526 49	FLJ34389	mixed lineage kinase domain-like	-0.184205	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1526 49	FLJ34389	mixed lineage kinase domain-like	-0.124247	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1526 49	FLJ34389	mixed lineage kinase domain-like	0.124247	Inlier
siRNA Disorazole DMSO Run3	NM_1526 49	FLJ34389	mixed lineage kinase domain-like	0.900127	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1526 49	FLJ34389	mixed lineage kinase domain-like	1.061901	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

						mixed lineage kinase domain-
siRNA Disorazole DMSO Run1	NM_1526	49	FLJ34389	like	1.286893	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1524	04	FLJ34658	FLJ34658	-1.356358	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1524	04	FLJ34658	FLJ34658	-1.27324	Inlier
siRNA Disorazole DMSO Run1	NM_1524	04	FLJ34658	FLJ34658	-0.717472	Inlier
siRNA Disorazole DMSO Run3	NM_1524	04	FLJ34658	FLJ34658	-0.109822	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1524	04	FLJ34658	FLJ34658	0.109822	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1524	04	FLJ34658	FLJ34658	0.237184	Inlier
siRNA Disorazole DMSO Run2	NM_1524	04	FLJ34658	FLJ34658	0.631528	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1524	04	FLJ34658	FLJ34658	1.397365	Inlier
						glycerophosphodiester domain containing
siRNA-Temozolomide Run3-DMSO	NM_1825	69	FLJ37451	1	-0.86476	Inlier
						glycerophosphodiester domain containing
siRNA-Temozolomide Run1-DMSO	NM_1825	69	FLJ37451	1	-0.540391	Inlier
						glycerophosphodiester domain containing
siRNA-Temozolomide Run2-DMSO	NM_1825	69	FLJ37451	1	-0.318632	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

				glycerophosphodiesterase domain containing	
siRNA Disorazole DMSO Run2	NM_1825 69	FLJ37451	1	glycerophosphodiesterase domain containing	-0.293522 Inlier
siRNA Disorazole DMSO Run1	NM_1825 69	FLJ37451	1	glycerophosphodiesterase domain containing	0.293522 Inlier
siRNA-Vinblastine Run1-DMSO	NM_1825 69	FLJ37451	1	glycerophosphodiesterase domain containing	0.808609 Inlier
siRNA-Vinblastine Run2-DMSO	NM_1825 69	FLJ37451	1	glycerophosphodiesterase domain containing	1.523519 Inlier
siRNA Disorazole DMSO Run3	NM_1825 69	FLJ37451	1	glycerophosphodiesterase domain containing	2.9917 Inlier
siRNA-Temozolomide Run3-DMSO	NM_1738 15	FLJ37464	FLJ37464		-1.167117 Inlier
siRNA-Temozolomide Run2-DMSO	NM_1738 15	FLJ37464	FLJ37464		-1.131055 Inlier
siRNA-Temozolomide Run1-DMSO	NM_1738 15	FLJ37464	FLJ37464		-0.845453 Inlier
siRNA-Vinblastine Run2-DMSO	NM_1738 15	FLJ37464	FLJ37464		-0.058639 Inlier
siRNA Disorazole DMSO Run1	NM_1738 15	FLJ37464	FLJ37464		0.058639 Inlier
siRNA Disorazole DMSO Run3	NM_1738 15	FLJ37464	FLJ37464		0.101833 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA Treatment	Run	Gene ID	FLJ ID	FLJ ID	Value	Category
siRNA-Vinblastine Run1-DMSO		NM_1738				
	15	15	FLJ37464	FLJ37464	0.503547	Inlier
		NM_1738				
siRNA Disorazole DMSO Run2	15	15	FLJ37464	FLJ37464	1.486595	Inlier
siRNA-Temozolomide Run1-DMSO		NM_1785				
	57	57	FLJ37478	FLJ37478	-2.198166	Inlier
siRNA-Temozolomide Run2-DMSO		NM_1785				
	57	57	FLJ37478	FLJ37478	-0.711677	Inlier
		NM_1785				
siRNA Disorazole DMSO Run1	57	57	FLJ37478	FLJ37478	-0.245716	Inlier
		NM_1785				
siRNA Disorazole DMSO Run3	57	57	FLJ37478	FLJ37478	-0.228412	Inlier
siRNA-Temozolomide Run3-DMSO		NM_1785				
	57	57	FLJ37478	FLJ37478	0.228412	Inlier
siRNA-Vinblastine Run2-DMSO		NM_1785				
	57	57	FLJ37478	FLJ37478	0.637323	Inlier
siRNA-Vinblastine Run1-DMSO		NM_1785				
	57	57	FLJ37478	FLJ37478	1.179703	Inlier
		NM_1785				
siRNA Disorazole DMSO Run2	57	57	FLJ37478	FLJ37478	1.801595	Inlier
siRNA-Temozolomide Run3-DMSO		NM_1735				
	27	27	FLJ38964	FLJ38964	-2.535043	Inlier
siRNA-Temozolomide Run2-DMSO		NM_1735				
	27	27	FLJ38964	FLJ38964	-0.84553	Inlier
siRNA-Vinblastine Run2-DMSO		NM_1735				
	27	27	FLJ38964	FLJ38964	-0.50347	Inlier
		NM_1735				
siRNA Disorazole DMSO Run3	27	27	FLJ38964	FLJ38964	-0.008343	Inlier
		NM_1735				
siRNA Disorazole DMSO Run1	27	27	FLJ38964	FLJ38964	0.008343	Inlier
siRNA-Temozolomide Run1-DMSO		NM_1735				
	27	27	FLJ38964	FLJ38964	0.460361	Inlier
siRNA-Vinblastine Run1-DMSO		NM_1735				
	27	27	FLJ38964	FLJ38964	2.98289	Inlier
		NM_1735				
siRNA Disorazole DMSO Run2	27	27	FLJ38964	FLJ38964	3.24496	Inlier
siRNA-Temozolomide Run2-DMSO		NM_1734				
	83	83	FLJ39501	FLJ39501	-1.277282	Inlier
siRNA-Temozolomide Run3-DMSO		NM_1734				
	83	83	FLJ39501	FLJ39501	-1.023928	Inlier
siRNA-Temozolomide Run1-DMSO		NM_1734				
	83	83	FLJ39501	FLJ39501	-0.226195	Inlier
		NM_1734				
siRNA Disorazole DMSO Run1	83	83	FLJ39501	FLJ39501	-0.053663	Inlier
		NM_1734				
siRNA Disorazole DMSO Run3	83	83	FLJ39501	FLJ39501	0.053663	Inlier
siRNA-Vinblastine Run1-DMSO		NM_1734				
	83	83	FLJ39501	FLJ39501	0.325072	Inlier
siRNA-Vinblastine Run2-DMSO		NM_1734				
	83	83	FLJ39501	FLJ39501	1.114116	Inlier
		NM_1734				
siRNA Disorazole DMSO Run2	83	83	FLJ39501	FLJ39501	1.533813	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Temozolomide Run2-DMSO	NM_1735 12	FLJ39822	FLJ39822	-0.940648	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1735 12	FLJ39822	FLJ39822	-0.408352	Inlier
siRNA Disorazole DMSO Run2	NM_1735 12	FLJ39822	FLJ39822	-0.346568	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1735 12	FLJ39822	FLJ39822	-0.176174	Inlier
siRNA Disorazole DMSO Run1	NM_1735 12	FLJ39822	FLJ39822	0.176174	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1735 12	FLJ39822	FLJ39822	1.029248	Inlier
siRNA Disorazole DMSO Run3	NM_1735 12	FLJ39822	FLJ39822	2.863845	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1735 12	FLJ39822	FLJ39822	4.204536	Outlier
siRNA-Temozolomide Run1-DMSO	NM_1523 07	FLJ40452	frame 172	-1.921613	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1523 07	FLJ40452	frame 172	-1.263895	Inlier
siRNA Disorazole DMSO Run1	NM_1523 07	FLJ40452	frame 172	-0.359338	Inlier
siRNA Disorazole DMSO Run3	NM_1523 07	FLJ40452	frame 172	-0.148095	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1523 07	FLJ40452	frame 172	0.148096	Inlier
siRNA Disorazole DMSO Run2	NM_1523 07	FLJ40452	frame 172	0.341857	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1523 07	FLJ40452	frame 172	0.989662	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

chromosome 14
 open reading

siRNA-Vinblastine Run1-DMSO	NM_152307	FLJ40452	frame 172	2.850044	Inlier
	NM_1988				
siRNA Disorazole DMSO Run2	57	FLJ43855	FLJ43855	-0.844885	Inlier
siRNA-Temozolomide Run1-DMSO	NM_198857	FLJ43855	FLJ43855	-0.504115	Inlier
siRNA-Temozolomide Run3-DMSO	NM_198857	FLJ43855	FLJ43855	-0.310798	Inlier
siRNA-Temozolomide Run2-DMSO	NM_198857	FLJ43855	FLJ43855	-0.043754	Inlier
	NM_1988				
siRNA Disorazole DMSO Run3	57	FLJ43855	FLJ43855	0.043754	Inlier
	NM_1988				
siRNA Disorazole DMSO Run1	57	FLJ43855	FLJ43855	1.097174	Inlier
siRNA-Vinblastine Run1-DMSO	NM_198857	FLJ43855	FLJ43855	1.605579	Inlier
siRNA-Vinblastine Run2-DMSO	NM_198857	FLJ43855	FLJ43855	2.228802	Inlier
siRNA-Temozolomide Run3-DMSO	NM_198577	FLJ46361	FLJ46361	-1.003409	Inlier
siRNA-Temozolomide Run2-DMSO	NM_198577	FLJ46361	FLJ46361	-0.871762	Inlier
siRNA-Vinblastine Run2-DMSO	NM_198577	FLJ46361	FLJ46361	-0.1814	Inlier
	NM_1985				
siRNA Disorazole DMSO Run3	77	FLJ46361	FLJ46361	-0.066353	Inlier
	NM_1985				
siRNA Disorazole DMSO Run1	77	FLJ46361	FLJ46361	0.066353	Inlier
siRNA-Temozolomide Run1-DMSO	NM_198577	FLJ46361	FLJ46361	0.477238	Inlier
	NM_1985				
siRNA Disorazole DMSO Run2	77	FLJ46361	FLJ46361	1.130836	Inlier
siRNA-Vinblastine Run1-DMSO	NM_198577	FLJ46361	FLJ46361	1.560107	Inlier
siRNA-Temozolomide Run3-DMSO	NM_173800	FLJ90650	FLJ90650	-2.790267	Inlier
	NM_1738				
siRNA Disorazole DMSO Run1	00	FLJ90650	FLJ90650	-0.352146	Inlier
siRNA-Temozolomide Run1-DMSO	NM_173800	FLJ90650	FLJ90650	-0.295558	Inlier
siRNA-Temozolomide Run2-DMSO	NM_173800	FLJ90650	FLJ90650	-0.167372	Inlier
	NM_1738				
siRNA Disorazole DMSO Run3	00	FLJ90650	FLJ90650	0.167373	Inlier
	NM_1738				
siRNA Disorazole DMSO Run2	00	FLJ90650	FLJ90650	0.996854	Inlier
siRNA-Vinblastine Run2-DMSO	NM_173800	FLJ90650	FLJ90650	1.880764	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA-Vinblastine Run1- DMSO	NM_1738 00	FLJ90650	FLJ90650	1.913429	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1735 02	FLJ90661	protease, serine, 36	-2.022179	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1735 02	FLJ90661	protease, serine, 36	-1.520236	Inlier
siRNA Disorazole DMSO Run2	NM_1735 02	FLJ90661	protease, serine, 36	-0.644006	Inlier
siRNA Disorazole DMSO Run3	NM_1735 02	FLJ90661	protease, serine, 36	-0.309307	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1735 02	FLJ90661	protease, serine, 36	0.309307	Inlier
siRNA Disorazole DMSO Run1	NM_1735 02	FLJ90661	protease, serine, 36	0.401319	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1735 02	FLJ90661	protease, serine, 36	0.704994	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1735 02	FLJ90661	protease, serine, 36	1.302442	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1536 92	FLJ90724	HtrA serine peptidase 4	-0.942483	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1536 92	FLJ90724	HtrA serine peptidase 4	-0.684283	Inlier
siRNA Disorazole DMSO Run2	NM_1536 92	FLJ90724	HtrA serine peptidase 4	-0.258501	Inlier
siRNA Disorazole DMSO Run3	NM_1536 92	FLJ90724	HtrA serine peptidase 4	-0.217229	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1536 92	FLJ90724	HtrA serine peptidase 4	0.217229	Inlier
siRNA Disorazole DMSO Run1	NM_1536 92	FLJ90724	HtrA serine peptidase 4	0.664717	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1536 92	FLJ90724	HtrA serine peptidase 4	0.932998	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1536 92	FLJ90724	HtrA serine peptidase 4	1.180648	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0044 75	FLOT2	flotillin 2	-1.468831	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA-Temozolomide Run2-DMSO	NM_0044 75	FLOT2	flotillin 2	-0.852671	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0044 75	FLOT2	flotillin 2	-0.360435	Inlier
siRNA Disorazole DMSO Run1	NM_0044 75	FLOT2	flotillin 2	-0.207174	Inlier
siRNA Disorazole DMSO Run3	NM_0044 75	FLOT2	flotillin 2	0.207174	Inlier
siRNA Disorazole DMSO Run2	NM_0044 75	FLOT2	flotillin 2	0.496329	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0044 75	FLOT2	flotillin 2	1.257157	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0044 75	FLOT2	flotillin 2 fibronectin leucine rich transmem brane	2.420487	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0132 80	FLRT1	protein 1 fibronectin leucine rich transmem brane	-1.391677	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0132 80	FLRT1	protein 1 fibronectin leucine rich transmem brane	-0.814637	Inlier
siRNA Disorazole DMSO Run3	NM_0132 80	FLRT1	protein 1 fibronectin leucine rich transmem brane	-0.507815	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0132 80	FLRT1	protein 1 fibronectin leucine rich transmem brane	-0.138911	Inlier
siRNA Disorazole DMSO Run1	NM_0132 80	FLRT1	protein 1 fibronectin leucine rich transmem brane	0.138911	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0132 80	FLRT1	protein 1	0.534363	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0132 80	FLRT1	fibronectin leucine rich transmem brane protein 1	1.14766	Inlier
siRNA Disorazole DMSO Run2	NM_0132 80	FLRT1	fibronectin leucine rich transmem brane protein 1	1.368636	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0132 31	FLRT2	fibronectin leucine rich transmem brane protein 2	-2.193761	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0132 31	FLRT2	fibronectin leucine rich transmem brane protein 2	-1.080951	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0132 31	FLRT2	fibronectin leucine rich transmem brane protein 2	-0.427574	Inlier
siRNA Disorazole DMSO Run1	NM_0132 31	FLRT2	fibronectin leucine rich transmem brane protein 2	-0.356553	Inlier
siRNA Disorazole DMSO Run3	NM_0132 31	FLRT2	fibronectin leucine rich transmem brane protein 2	0.356553	Inlier
siRNA Disorazole DMSO Run2	NM_0132 31	FLRT2	fibronectin leucine rich transmem brane protein 2	0.422039	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0132 31	FLRT2	fibronectin leucine rich transmem brane protein 2	0.921426	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0132 31	FLRT2	fibronectin leucine rich transmem brane protein 2	1.472297	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1983 91	FLRT3	fibronectin leucine rich transmem brane protein 3	-1.3695	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1983 91	FLRT3	fibronectin leucine rich transmem brane protein 3	-0.863532	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1983 91	FLRT3	fibronectin leucine rich transmem brane protein 3	-0.355032	Inlier
siRNA Disorazole DMSO Run1	NM_1983 91	FLRT3	fibronectin leucine rich transmem brane protein 3	-0.156781	Inlier
siRNA Disorazole DMSO Run3	NM_1983 91	FLRT3	fibronectin leucine rich transmem brane protein 3	0.156781	Inlier
siRNA Disorazole DMSO Run2	NM_1983 91	FLRT3	fibronectin leucine rich transmem brane protein 3	0.486166	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_198391	FLRT3	fibronectin leucine rich transmem brane protein 3 fibronectin leucine rich transmem brane protein 3	0.862834	Inlier
siRNA-Vinblastine Run1-DMSO	NM_198391	FLRT3	fms- related tyrosine kinase 1 (vascular endothelial growth factor/vasc ular permeabili ty factor receptor)	1.279532	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002019	FLT1	fms- related tyrosine kinase 1 (vascular endothelial growth factor/vasc ular permeabili ty factor receptor)	-0.856704	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002019	FLT1	fms- related tyrosine kinase 1 (vascular endothelial growth factor/vasc ular permeabili ty factor receptor)	-0.492296	Inlier
siRNA Disorazole DMSO Run3	NM_002019	FLT1	permeabili ty factor receptor)	-0.261956	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA	Run	Gene	Gene ID	Gene Name	Value	Outlier
siRNA-Temozolomide DMSO	Run2-19	FLT1	NM_002019	fms-related tyrosine kinase 1 (vascular endothelial growth factor/vascular permeability factor receptor)	-0.181677	Inlier
siRNA Disorazole DMSO	Run2-19	FLT1	NM_002019	fms-related tyrosine kinase 1 (vascular endothelial growth factor/vascular permeability factor receptor)	0.181677	Inlier
siRNA Disorazole DMSO	Run1-19	FLT1	NM_002019	fms-related tyrosine kinase 1 (vascular endothelial growth factor/vascular permeability factor receptor)	1.764674	Inlier
siRNA-Vinblastine DMSO	Run1-19	FLT1	NM_002019	fms-related tyrosine kinase 1 (vascular endothelial growth factor/vascular permeability factor receptor)	2.009168	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_002019	FLT1	fms-related tyrosine kinase 1 (vascular endothelial growth factor/vascular permeability factor receptor)	3.545351	Outlier
siRNA-Temozolomide Run3-DMSO	NM_004119	FLT3	fms-related tyrosine kinase 3	-1.780417	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004119	FLT3	fms-related tyrosine kinase 3	-1.237755	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004119	FLT3	fms-related tyrosine kinase 3	-0.591526	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004119	FLT3	fms-related tyrosine kinase 3	-0.180835	Inlier
siRNA Disorazole DMSO Run1	NM_004119	FLT3	fms-related tyrosine kinase 3	0.180835	Inlier
siRNA Disorazole DMSO Run2	NM_004119	FLT3	fms-related tyrosine kinase 3	0.638254	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004119	FLT3	fms-related tyrosine kinase 3	0.710746	Inlier
siRNA Disorazole DMSO Run3	NM_004119	FLT3	fms-related tyrosine kinase 3	0.972706	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001459	FLT3LG	fms-related tyrosine kinase 3 ligand	-0.914734	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0014 59	FLT3LG	fms- related tyrosine kinase 3 ligand	-0.46136	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0014 59	FLT3LG	fms- related tyrosine kinase 3 ligand	-0.400001	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0014 59	FLT3LG	fms- related tyrosine kinase 3 ligand	-0.12242	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0014 59	FLT3LG	fms- related tyrosine kinase 3 ligand	0.12242	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0014 59	FLT3LG	fms- related tyrosine kinase 3 ligand	0.88764	Inlier
siRNA Disorazole DMSO Run2	NM_0014 59	FLT3LG	fms- related tyrosine kinase 3 ligand	2.080148	Inlier
siRNA Disorazole DMSO Run3	NM_0014 59	FLT3LG	fms- related tyrosine kinase 3 ligand	3.208698	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1829 25	FLT4	fms- related tyrosine kinase 4	-1.12594	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1829 25	FLT4	fms- related tyrosine kinase 4	-0.717517	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1829 25	FLT4	fms- related tyrosine kinase 4	-0.332053	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1829 25	FLT4	fms- related tyrosine kinase 4	-0.19634	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1829 25	FLT4	fms- related tyrosine kinase 4	0.19634	Inlier
siRNA Disorazole DMSO Run2	NM_1829 25	FLT4	fms- related tyrosine kinase 4	0.631483	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1829 25	FLT4	fms- related tyrosine kinase 4	1.030516	Inlier
siRNA Disorazole DMSO Run3	NM_1829 25	FLT4	fms- related tyrosine kinase 4	1.523033	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0058 92	FMNL1	formin-like 1	-1.200793	Inlier
siRNA Disorazole DMSO Run2	NM_0058 92	FMNL1	formin-like 1	-0.814301	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0058 92	FMNL1	formin-like 1	-0.534699	Inlier
siRNA Disorazole DMSO Run3	NM_0058 92	FMNL1	formin-like 1	-0.204047	Inlier
siRNA Disorazole DMSO Run1	NM_0058 92	FMNL1	formin-like 1	0.204047	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0058 92	FMNL1	formin-like 1	0.255279	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0058 92	FMNL1	formin-like 1	1.202608	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0058 92	FMNL1	formin-like 1	1.292472	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0020 21	FMO1	flavin containing monooxyg enase 1	-2.678574	Inlier
siRNA Disorazole DMSO Run1	NM_0020 21	FMO1	flavin containing monooxyg enase 1	-0.982166	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0020 21	FMO1	flavin containing monooxyg enase 1	-0.366834	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0020 21	FMO1	flavin containing monooxyg enase 1	-0.214887	Inlier
siRNA Disorazole DMSO Run3	NM_0020 21	FMO1	flavin containing monooxyg enase 1	0.214887	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0020 21	FMO1	flavin containing monooxyg enase 1	0.226888	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0020 21	FMO1	flavin containing monooxyg enase 1	1.983597	Inlier
siRNA Disorazole DMSO Run2	NM_0020 21	FMO1	flavin containing monooxyg enase 1	2.208444	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0014 60	FMO2	flavin containing monooxyg enase 2	-5.783439	Outlier
siRNA Disorazole DMSO Run3	NM_0014 60	FMO2	flavin containing monooxyg enase 2	-2.517483	Inlier
siRNA Disorazole DMSO Run1	NM_0014 60	FMO2	flavin containing monooxyg enase 2	-0.618942	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0014 60	FMO2	flavin containing monooxyg enase 2	-0.407773	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0014 60	FMO2	flavin containing monooxyg enase 2	0.407775	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0014 60	FMO2	flavin containing monooxyg enase 2	0.626599	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0014 60	FMO2	flavin containing monooxyg enase 2	0.722401	Inlier
siRNA Disorazole DMSO Run2	NM_0014 60	FMO2	flavin containing monooxyg enase 2	1.366854	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0068 94	FMO3	flavin containing monooxyg enase 3	-2.647407	Inlier
siRNA Disorazole DMSO Run1	NM_0068 94	FMO3	flavin containing monooxyg enase 3	-0.810257	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0068 94	FMO3	flavin containing monooxyg enase 3	-0.571553	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0068 94	FMO3	flavin containing monooxyg enase 3	-0.087122	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0068 94	FMO3	flavin containing monooxyg enase 3	0.087122	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0068 94	FMO3	flavin containing monooxyg enase 3	0.56691	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0068 94	FMO3	flavin containing monooxyg enase 3	0.777448	Inlier
siRNA Disorazole DMSO Run2	NM_0068 94	FMO3	flavin containing monooxyg enase 3	1.468584	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0020 22	FMO4	flavin containing monooxyg enase 4	-4.698639	Outlier
siRNA Disorazole DMSO Run1	NM_0020 22	FMO4	flavin containing monooxyg enase 4	-1.138766	Inlier
siRNA Disorazole DMSO Run3	NM_0020 22	FMO4	flavin containing monooxyg enase 4	-0.780787	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0020 22	FMO4	flavin containing monooxyg enase 4	-0.030212	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0020 22	FMO4	flavin containing monooxyg enase 4	0.030212	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0020 22	FMO4	flavin containing monooxyg enase 4	0.373576	Inlier
siRNA Disorazole DMSO Run2	NM_0020 22	FMO4	flavin containing monooxyg enase 4	0.568213	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_002022	FMO4	flavin containing monooxygenase 4	3.087674	Inlier
siRNA Disorazole DMSO Run3	NM_001461	FMO5	flavin containing monooxygenase 5	-0.935312	Inlier
siRNA Disorazole DMSO Run1	NM_001461	FMO5	flavin containing monooxygenase 5	-0.715126	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001461	FMO5	flavin containing monooxygenase 5	-0.633874	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001461	FMO5	flavin containing monooxygenase 5	-0.011447	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001461	FMO5	flavin containing monooxygenase 5	0.011448	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001461	FMO5	flavin containing monooxygenase 5	0.590649	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001461	FMO5	flavin containing monooxygenase 5	0.927211	Inlier
siRNA Disorazole DMSO Run2	NM_001461	FMO5	flavin containing monooxygenase 5	0.956726	Inlier
siRNA-Temozolomide Run3-DMSO	NM_022158	FN3K	fructosaminase 3 kinase	-1.052776	Inlier
siRNA Disorazole DMSO Run2	NM_022158	FN3K	fructosaminase 3 kinase	-0.729043	Inlier
siRNA-Temozolomide Run1-DMSO	NM_022158	FN3K	fructosaminase 3 kinase	-0.147167	Inlier
siRNA Disorazole DMSO Run1	NM_022158	FN3K	fructosaminase 3 kinase	-0.099505	Inlier
siRNA-Temozolomide Run2-DMSO	NM_022158	FN3K	fructosaminase 3 kinase	0.099505	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology siRNA-Vinblastine Run2- DMSO	NM_0221 58	FN3K	fructosami ne 3 kinase	0.619957	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0221 58	FN3K	fructosami ne 3 kinase	1.748098	Inlier
siRNA Disorazole DMSO Run3	NM_0221 58	FN3K	fructosami ne 3 kinase	3.557744	Outlier
siRNA-Temozolomide Run1- DMSO	NM_0246 19	FN3KRP	FN3KRP	-1.059114	Inlier
siRNA Disorazole DMSO Run2	NM_0246 19	FN3KRP	FN3KRP	-0.874872	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0246 19	FN3KRP	FN3KRP	-0.667344	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0246 19	FN3KRP	FN3KRP	-0.367974	Inlier
siRNA Disorazole DMSO Run1	NM_0246 19	FN3KRP	FN3KRP	0.367975	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0246 19	FN3KRP	FN3KRP	0.663925	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0246 19	FN3KRP	FN3KRP	0.681656	Inlier
siRNA Disorazole DMSO Run3	NM_0246 19	FN3KRP	FN3KRP	2.7458	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0010 18677	FNTA	farnesyltra nsferase, CAAX box, alpha	-0.847974	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0010 18677	FNTA	farnesyltra nsferase, CAAX box, alpha	-0.83897	Inlier
siRNA Disorazole DMSO Run1	NM_0010 18677	FNTA	farnesyltra nsferase, CAAX box, alpha	-0.51003	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0010 18677	FNTA	farnesyltra nsferase, CAAX box, alpha	-0.222162	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0010 18677	FNTA	farnesyltra nsferase, CAAX box, alpha	0.222162	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0010 18677	FNTA	farnesyltra nsferase, CAAX box, alpha	0.484343	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0010 18677	FNTA	farnesyltra nsferase, CAAX box, alpha	2.030203	Inlier
siRNA Disorazole DMSO Run2	NM_0010 18677	FNTA	farnesyltra nsferase, CAAX box, alpha	2.105836	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0020 28	FNTB	farnesyltra nsferase, CAAX box, beta	-0.763226	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0020 28	FNTB	farnesyltra nsferase, CAAX box, beta	-0.610225	Inlier
siRNA Disorazole DMSO Run3	NM_0020 28	FNTB	farnesyltra nsferase, CAAX box, beta	-0.501823	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0020 28	FNTB	farnesyltra nsferase, CAAX box, beta	-0.311977	Inlier
siRNA Disorazole DMSO Run1	NM_0020 28	FNTB	farnesyltra nsferase, CAAX box, beta	0.311977	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0020 28	FNTB	farnesyltra nsferase, CAAX box, beta	0.738775	Inlier
siRNA Disorazole DMSO Run2	NM_0020 28	FNTB	farnesyltra nsferase, CAAX box, beta	2.458198	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0020 28	FNTB	farnesyltra nsferase, CAAX box, beta	2.807467	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0044 76	FOLH1	folate hydrolase (prostate- specific membrane antigen) 1	-1.152627	Inlier
siRNA Disorazole DMSO Run1	NM_0044 76	FOLH1	folate hydrolase (prostate- specific membrane antigen) 1	-0.643638	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0044 76	FOLH1	folate hydrolase (prostate- specific membrane antigen) 1	-0.423005	Inlier
siRNA Disorazole DMSO Run2	NM_0044 76	FOLH1	folate hydrolase (prostate- specific membrane antigen) 1	-0.380577	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0044 76	FOLH1	folate hydrolase (prostate- specific membrane antigen) 1	0.380577	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0044 76	FOLH1	folate hydrolase (prostate- specific membrane antigen) 1	0.705362	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0044 76	FOLH1	folate hydrolase (prostate- specific membrane antigen) 1	0.783914	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0044 76	FOLH1	folate hydrolase (prostate- specific membrane antigen) 1	2.057613	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0167 29	FOLR1	folate receptor 1 (adult)	-1.461762	Inlier
siRNA Disorazole DMSO Run1	NM_0167 29	FOLR1	folate receptor 1 (adult)	-1.032134	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0167 29	FOLR1	folate receptor 1 (adult)	-0.53777	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0167 29	FOLR1	folate receptor 1 (adult)	-0.231384	Inlier
siRNA Disorazole DMSO Run3	NM_0167 29	FOLR1	folate receptor 1 (adult)	0.231384	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0167 29	FOLR1	folate receptor 1 (adult)	0.405419	Inlier
siRNA Disorazole DMSO Run2	NM_0167 29	FOLR1	folate receptor 1 (adult)	0.81123	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0167 29	FOLR1	folate receptor 1 (adult)	1.483828	Inlier
siRNA Disorazole DMSO Run2	NM_0008 03	FOLR2	folate receptor 2 (fetal)	-0.780274	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0008 03	FOLR2	folate receptor 2 (fetal)	-0.568726	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0008 03	FOLR2	folate receptor 2 (fetal)	-0.182682	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0008 03	FOLR2	folate receptor 2 (fetal)	-0.05512	Inlier
siRNA Disorazole DMSO Run3	NM_0008 03	FOLR2	folate receptor 2 (fetal)	0.05512	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0008 03	FOLR2	folate receptor 2 (fetal)	0.938489	Inlier
siRNA Disorazole DMSO Run1	NM_0008 03	FOLR2	folate receptor 2 (fetal)	1.118047	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology				folate	
siRNA-Vinblastine Run2-DMSO	NM_000803	FOLR2	receptor 2 (fetal)	1.379234	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000804	FOLR3	receptor 3 (gamma)	-1.706243	Inlier
siRNA Disorazole DMSO Run3	NM_000804	FOLR3	receptor 3 (gamma)	-0.759487	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000804	FOLR3	receptor 3 (gamma)	-0.589513	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000804	FOLR3	receptor 3 (gamma)	-0.189204	Inlier
siRNA Disorazole DMSO Run2	NM_000804	FOLR3	receptor 3 (gamma)	0.189204	Inlier
siRNA Disorazole DMSO Run1	NM_000804	FOLR3	receptor 3 (gamma)	0.336571	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000804	FOLR3	receptor 3 (gamma)	1.089426	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000804	FOLR3	receptor 3 (gamma)	1.230343	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001018078	FPGS	folylpolyglutamate synthase	-1.491406	Inlier
siRNA Disorazole DMSO Run1	NM_001018078	FPGS	folylpolyglutamate synthase	-0.624124	Inlier
siRNA Disorazole DMSO Run3	NM_001018078	FPGS	folylpolyglutamate synthase	-0.363692	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001018078	FPGS	folylpolyglutamate synthase	-0.017311	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001018078	FPGS	folylpolyglutamate synthase	0.01731	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001018078	FPGS	folylpolyglutamate synthase	0.724876	Inlier
siRNA Disorazole DMSO Run2	NM_001018078	FPGS	folylpolyglutamate synthase	0.784102	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001018078	FPGS	folylpolyglutamate synthase	0.816065	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0038 38	FPGT	fucose-1-phosphate guanylyltransferase	-1.570091	Inlier
siRNA Disorazole DMSO Run1	NM_0038 38	FPGT	fucose-1-phosphate guanylyltransferase	-0.960339	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0038 38	FPGT	fucose-1-phosphate guanylyltransferase	-0.418958	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0038 38	FPGT	fucose-1-phosphate guanylyltransferase	-0.168265	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0038 38	FPGT	fucose-1-phosphate guanylyltransferase	0.168265	Inlier
siRNA Disorazole DMSO Run3	NM_0038 38	FPGT	fucose-1-phosphate guanylyltransferase	0.608604	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0038 38	FPGT	fucose-1-phosphate guanylyltransferase	0.740396	Inlier
siRNA Disorazole DMSO Run2	NM_0038 38	FPGT	fucose-1-phosphate guanylyltransferase	1.085986	Inlier
siRNA Disorazole DMSO Run1	NM_0020 29	FPR1	formyl peptide receptor 1	-0.762418	Inlier
siRNA Disorazole DMSO Run2	NM_0020 29	FPR1	formyl peptide receptor 1	-0.586582	Inlier
siRNA Disorazole DMSO Run3	NM_0020 29	FPR1	formyl peptide receptor 1	-0.575937	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0020 29	FPR1	formyl peptide receptor 1	-0.455423	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology				formyl peptide receptor 1	
siRNA-Temozolomide Run1-DMSO	NM_0020 29	FPR1		0.455423	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0020 29	FPR1		0.83355	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0020 29	FPR1		0.843779	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0020 29	FPR1		1.102359	Inlier
siRNA Disorazole DMSO Run2	NM_0014 62	FPRL1		-3.673311	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0014 62	FPRL1		-1.26282	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0014 62	FPRL1		-0.889275	Inlier
siRNA Disorazole DMSO Run3	NM_0014 62	FPRL1		-0.225721	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0014 62	FPRL1		0.225719	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0014 62	FPRL1		0.258644	Inlier
siRNA Disorazole DMSO Run1	NM_0014 62	FPRL1		0.459725	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0014 62	FPRL1		1.377014	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0020 30	FPRL2		-1.228019	Inlier
siRNA Disorazole DMSO Run2	NM_0020 30	FPRL2		-0.75759	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0020 30	FPRL2	formyl peptide receptor-like 2	-0.59141	Inlier
siRNA Disorazole DMSO Run3	NM_0020 30	FPRL2	formyl peptide receptor-like 2	-0.092417	Inlier
siRNA Disorazole DMSO Run1	NM_0020 30	FPRL2	formyl peptide receptor-like 2	0.092417	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0020 30	FPRL2	formyl peptide receptor-like 2	0.588722	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0020 30	FPRL2	formyl peptide receptor-like 2	1.449618	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0020 30	FPRL2	formyl peptide receptor-like 2	1.564374	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0049 58	FRAP1	FK506 binding protein 12-rapamycin associated protein 1	-0.882869	Inlier
siRNA Disorazole DMSO Run2	NM_0049 58	FRAP1	FK506 binding protein 12-rapamycin associated protein 1	-0.725933	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0049 58	FRAP1	FK506 binding protein 12-rapamycin associated protein 1	-0.485842	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0049 58	FRAP1	FK506 binding protein 12- rapamycin associated protein 1	-0.376237	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0049 58	FRAP1	FK506 binding protein 12- rapamycin associated protein 1	0.376237	Inlier
siRNA Disorazole DMSO Run1	NM_0049 58	FRAP1	FK506 binding protein 12- rapamycin associated protein 1	0.623067	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0049 58	FRAP1	FK506 binding protein 12- rapamycin associated protein 1	1.078468	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0049 58	FRAP1	FK506 binding protein 12- rapamycin associated protein 1	1.225481	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0327 38	FREB	Fc receptor- like and mucin-like 1	-0.931762	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0327 38	FREB	Fc receptor- like and mucin-like 1	-0.769431	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0327 38	FREB	Fc receptor- like and mucin-like 1	-0.357301	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0327 38	FREB	Fc receptor- like and mucin-like 1	-0.103297	Inlier
siRNA Disorazole DMSO Run1	NM_0327 38	FREB	Fc receptor- like and mucin-like 1	0.103297	Inlier
siRNA Disorazole DMSO Run3	NM_0327 38	FREB	Fc receptor- like and mucin-like 1	0.579569	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0327 38	FREB	Fc receptor- like and mucin-like 1	1.437405	Inlier
siRNA Disorazole DMSO Run2	NM_0327 38	FREB	Fc receptor- like and mucin-like 1	1.877581	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0020 31	FRK	fyn-related kinase	-0.703663	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0020 31	FRK	fyn-related kinase	-0.698238	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0020 31	FRK	fyn-related kinase	-0.650762	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0020 31	FRK	fyn-related kinase	-0.36132	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0020 31	FRK	fyn-related kinase	0.36132	Inlier
siRNA Disorazole DMSO Run1	NM_0020 31	FRK	fyn-related kinase	0.537118	Inlier
siRNA Disorazole DMSO Run3	NM_0020 31	FRK	fyn-related kinase	1.364291	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0020 31	FRK	fyn-related kinase	1.488405	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0243 33	FSD1	fibronectin type 3 and SPRY domain containing 1	-1.648489	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0243 33	FSD1	fibronectin type 3 and SPRY domain containing 1	-0.700749	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0243 33	FSD1	fibronectin type 3 and SPRY domain containing 1	-0.311179	Inlier
siRNA Disorazole DMSO Run1	NM_0243 33	FSD1	fibronectin type 3 and SPRY domain containing 1	-0.185167	Inlier
siRNA Disorazole DMSO Run3	NM_0243 33	FSD1	fibronectin type 3 and SPRY domain containing 1	0.185167	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0243 33	FSD1	fibronectin type 3 and SPRY domain containing 1	0.648251	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0243 33	FSD1	fibronectin type 3 and SPRY domain containing 1	1.231697	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0243 33	FSD1	fibronectin type 3 and SPRY domain containing 1	1.263951	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1814 46	FSHR	follicle stimulating hormone receptor	-1.239569	Inlier
siRNA Disorazole DMSO Run2	NM_1814 46	FSHR	follicle stimulating hormone receptor	-0.713593	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1814 46	FSHR	follicle stimulating hormone receptor	-0.635407	Inlier
siRNA Disorazole DMSO Run3	NM_1814 46	FSHR	follicle stimulating hormone receptor	-0.263876	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1814 46	FSHR	follicle stimulating hormone receptor	0.263876	Inlier
siRNA Disorazole DMSO Run1	NM_1814 46	FSHR	follicle stimulating hormone receptor	0.471643	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1814 46	FSHR	follicle stimulating hormone receptor	0.908791	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1814 46	FSHR	follicle stimulating hormone receptor	0.995299	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0066 57	FTCD	formiminot ransferase cyclodeam inase	-0.851347	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0066 57	FTCD	formiminotransferase cyclodeaminase	-0.497653	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0066 57	FTCD	formiminotransferase cyclodeaminase	-0.306559	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0066 57	FTCD	formiminotransferase cyclodeaminase	-0.198442	Inlier
siRNA Disorazole DMSO Run1	NM_0066 57	FTCD	formiminotransferase cyclodeaminase	0.198441	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0066 57	FTCD	formiminotransferase cyclodeaminase	1.268973	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0066 57	FTCD	formiminotransferase cyclodeaminase	1.758137	Inlier
siRNA Disorazole DMSO Run2	NM_0066 57	FTCD	formiminotransferase cyclodeaminase	2.046555	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1447 76	FTHFD	aldehyde dehydrogenase 1 family, member L1	-4.980712	Outlier
siRNA-Temozolomide Run2-DMSO	NM_1447 76	FTHFD	aldehyde dehydrogenase 1 family, member L1	-1.28782	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1447 76	FTHFD	aldehyde dehydroge nase 1 family, member L1	-0.470363	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1447 76	FTHFD	aldehyde dehydroge nase 1 family, member L1	-0.070141	Inlier
siRNA Disorazole DMSO Run3	NM_1447 76	FTHFD	aldehyde dehydroge nase 1 family, member L1	0.07014	Inlier
siRNA Disorazole DMSO Run2	NM_1447 76	FTHFD	aldehyde dehydroge nase 1 family, member L1	0.126918	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1447 76	FTHFD	aldehyde dehydroge nase 1 family, member L1	0.878637	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1447 76	FTHFD	aldehyde dehydroge nase 1 family, member L1	1.673155	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0154 40	FTHFSDC 1	methylenet etrahydrof olate dehydroge nase (NADP+ dependent) 1-like	-3.19978	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0154 40	FTHFSDC 1	methylenet etrahydrof olate dehydroge nase (NADP+ dependent) 1-like	-0.453472	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0154 40	FTHFSDC 1	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1-like	-0.334828	Inlier
siRNA Disorazole DMSO Run3	NM_0154 40	FTHFSDC 1	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1-like	-0.135595	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0154 40	FTHFSDC 1	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1-like	0.135595	Inlier
siRNA Disorazole DMSO Run1	NM_0154 40	FTHFSDC 1	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1-like	0.895528	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0154 40	FTHFSDC 1	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1-like	3.610548	Outlier
siRNA Disorazole DMSO Run2	NM_0154 40	FTHFSDC 1	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1-like	6.455312	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0224 76	FTS	fused toes homolog (mouse)	-2.712764	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0224 76	FTS	fused toes homolog (mouse)	-1.457208 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0224 76	FTS	fused toes homolog (mouse)	-0.213463 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0224 76	FTS	fused toes homolog (mouse)	-0.056892 Inlier
siRNA Disorazole DMSO Run3	NM_0224 76	FTS	fused toes homolog (mouse)	0.056892 Inlier
siRNA Disorazole DMSO Run1	NM_0224 76	FTS	fused toes homolog (mouse)	0.215769 Inlier
siRNA Disorazole DMSO Run2	NM_0224 76	FTS	fused toes homolog (mouse)	1.133231 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0224 76	FTS	fused toes homolog (mouse)	1.668755 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0001 47	FUCA1	fucosidase , alpha-L-1, tissue	-0.791648 Inlier
siRNA Disorazole DMSO Run3	NM_0001 47	FUCA1	fucosidase , alpha-L-1, tissue	-0.557352 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0001 47	FUCA1	fucosidase , alpha-L-1, tissue	-0.434184 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0001 47	FUCA1	fucosidase , alpha-L-1, tissue	-0.162534 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0001 47	FUCA1	fucosidase , alpha-L-1, tissue	0.162534 Inlier
siRNA Disorazole DMSO Run1	NM_0001 47	FUCA1	fucosidase , alpha-L-1, tissue	0.816276 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0001 47	FUCA1	fucosidase , alpha-L-1, tissue	1.633055 Inlier
siRNA Disorazole DMSO Run2	NM_0001 47	FUCA1	fucosidase , alpha-L-1, tissue	2.392205 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology					
siRNA-Temozolomide Run3-DMSO	NM_0320 20	FUCA2	fucosidase , alpha-L- 2, plasma	-0.746711	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0320 20	FUCA2	fucosidase , alpha-L- 2, plasma	-0.602289	Inlier
siRNA Disorazole DMSO Run3	NM_0320 20	FUCA2	fucosidase , alpha-L- 2, plasma	-0.139419	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0320 20	FUCA2	fucosidase , alpha-L- 2, plasma	-0.039199	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0320 20	FUCA2	fucosidase , alpha-L- 2, plasma	0.039199	Inlier
siRNA Disorazole DMSO Run1	NM_0320 20	FUCA2	fucosidase , alpha-L- 2, plasma	2.79052	Inlier
siRNA Disorazole DMSO Run2	NM_0320 20	FUCA2	fucosidase , alpha-L- 2, plasma	3.499646	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0320 20	FUCA2	fucosidase , alpha-L- 2, plasma	3.795189	Outlier
siRNA-Temozolomide Run3-DMSO	NM_1450 59	FUK	fucokinase	-0.764483	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1450 59	FUK	fucokinase	-0.584517	Inlier
siRNA Disorazole DMSO Run3	NM_1450 59	FUK	fucokinase	-0.40607	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1450 59	FUK	fucokinase	-0.381216	Inlier
siRNA Disorazole DMSO Run1	NM_1450 59	FUK	fucokinase	0.381216	Inlier
siRNA Disorazole DMSO Run2	NM_1450 59	FUK	fucokinase	2.815974	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1450 59	FUK	fucokinase	2.925554	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1450 59	FUK	fucokinase	3.89541	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0025 69	FURIN	furin (paired basic amino acid cleaving enzyme)	-2.888726	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0025 69	FURIN	furin (paired basic amino acid cleaving enzyme)	-1.986871	Inlier
siRNA Disorazole DMSO Run3	NM_0025 69	FURIN	furin (paired basic amino acid cleaving enzyme)	-0.425389	Inlier
siRNA Disorazole DMSO Run1	NM_0025 69	FURIN	furin (paired basic amino acid cleaving enzyme)	-0.108086	Inlier
siRNA Disorazole DMSO Run2	NM_0025 69	FURIN	furin (paired basic amino acid cleaving enzyme)	0.108086	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0025 69	FURIN	furin (paired basic amino acid cleaving enzyme)	0.386199	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0025 69	FURIN	furin (paired basic amino acid cleaving enzyme)	0.923611	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0025 69	FURIN	furin (paired basic amino acid cleaving enzyme)	0.990134	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0001 48	FUT1	fucosyltransferase 1 (galactoside 2-alpha-L-fucosyltransferase)	-2.907033	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0001 48	FUT1	fucosyltransferase 1 (galactoside 2-alpha-L-fucosyltransferase)	-2.516654	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0001 48	FUT1	fucosyltransferase 1 (galactoside 2-alpha-L-fucosyltransferase)	-0.742202	Inlier
siRNA Disorazole DMSO Run3	NM_0001 48	FUT1	fucosyltransferase 1 (galactoside 2-alpha-L-fucosyltransferase)	-0.255344	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0001 48	FUT1	fucosyltransferase 1 (galactoside 2-alpha-L-fucosyltransferase)	0.255344	Inlier
siRNA Disorazole DMSO Run2	NM_0001 48	FUT1	fucosyltransferase 1 (galactoside 2-alpha-L-fucosyltransferase)	0.40211	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_000148	FUT1	fucosyltransferase 1 (galactoside 2-alpha-L-fucosyltransferase)	0.606798	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000148	FUT1	fucosyltransferase 1 (galactoside 2-alpha-L-fucosyltransferase)	0.829773	Inlier
siRNA-Temozolomide Run2-DMSO	NM_032664	FUT10	fucosyltransferase 10 (alpha (1,3) fucosyltransferase)	-1.452832	Inlier
siRNA-Temozolomide Run3-DMSO	NM_032664	FUT10	fucosyltransferase 10 (alpha (1,3) fucosyltransferase)	-0.543656	Inlier
siRNA-Temozolomide Run1-DMSO	NM_032664	FUT10	fucosyltransferase 10 (alpha (1,3) fucosyltransferase)	-0.482123	Inlier
siRNA Disorazole DMSO Run3	NM_032664	FUT10	fucosyltransferase 10 (alpha (1,3) fucosyltransferase)	-0.1554	Inlier
siRNA-Vinblastine Run2-DMSO	NM_032664	FUT10	fucosyltransferase 10 (alpha (1,3) fucosyltransferase)	0.155401	Inlier
siRNA Disorazole DMSO Run1	NM_032664	FUT10	fucosyltransferase 10 (alpha (1,3) fucosyltransferase)	0.805344	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Expression Value	Classification
siRNA Disorazole DMSO Run2	NM_0326 64	FUT10	4.033586	Outlier
siRNA-Vinblastine Run1-DMSO	NM_0326 64	FUT10	4.382823	Outlier
siRNA-Temozolomide Run1-DMSO	NM_1735 40	FUT11	-1.267169	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1735 40	FUT11	-0.510121	Inlier
siRNA Disorazole DMSO Run1	NM_1735 40	FUT11	-0.277652	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1735 40	FUT11	-0.274994	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1735 40	FUT11	0.274993	Inlier
siRNA Disorazole DMSO Run3	NM_1735 40	FUT11	0.838879	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			fucosyltran sferase 11 (alpha (1,3)	
siRNA-Vinblastine Run1- DMSO	NM_1735 40	FUT11	fucosyltran sferase) fucosyltran sferase 11 (alpha (1,3)	1.024405 Inlier
siRNA Disorazole DMSO Run2	NM_1735 40	FUT11	fucosyltran sferase)	1.267721 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0005 11	FUT2	fucosyltran sferase 2 (secretor status included)	-0.773925 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0005 11	FUT2	fucosyltran sferase 2 (secretor status included)	-0.683119 Inlier
siRNA Disorazole DMSO Run3	NM_0005 11	FUT2	fucosyltran sferase 2 (secretor status included)	-0.665881 Inlier
siRNA Disorazole DMSO Run1	NM_0005 11	FUT2	fucosyltran sferase 2 (secretor status included)	-0.120331 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0005 11	FUT2	fucosyltran sferase 2 (secretor status included)	0.120331 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0005 11	FUT2	fucosyltran sferase 2 (secretor status included)	0.254809 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0005 11	FUT2	fucosyltran sferase 2 (secretor status included)	0.854629	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0005 11	FUT2	fucosyltran sferase 2 (secretor status included)	1.110445	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0001 49	FUT3	fucosyltran sferase 3 (galactosid e 3(4)-L- fucosyltran sferase, Lewis blood group included)	-1.658031	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0001 49	FUT3	fucosyltran sferase 3 (galactosid e 3(4)-L- fucosyltran sferase, Lewis blood group included)	-0.473817	Inlier
siRNA Disorazole DMSO Run1	NM_0001 49	FUT3	fucosyltran sferase 3 (galactosid e 3(4)-L- fucosyltran sferase, Lewis blood group included)	-0.226112	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0001 49	FUT3	fucosyltransferase 3 (galactoside 3(4)-L-fucosyltransferase, Lewis blood group included)	-0.031546	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0001 49	FUT3	fucosyltransferase 3 (galactoside 3(4)-L-fucosyltransferase, Lewis blood group included)	0.031546	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0001 49	FUT3	fucosyltransferase 3 (galactoside 3(4)-L-fucosyltransferase, Lewis blood group included)	0.875183	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0001 49	FUT3	fucosyltransferase 3 (galactoside 3(4)-L-fucosyltransferase, Lewis blood group included)	1.622739	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	49	NM_0001	FUT3	fucosyltransferase 3 (galactosidase 3(4)-L-fucosyltransferase, Lewis blood group included)	2.845711	Inlier
siRNA-Vinblastine Run2-DMSO	33	NM_0020	FUT4	fucosyltransferase 4 (alpha (1,3) fucosyltransferase, myeloid-specific)	-0.958884	Inlier
siRNA Disorazole DMSO Run1	33	NM_0020	FUT4	fucosyltransferase 4 (alpha (1,3) fucosyltransferase, myeloid-specific)	-0.85884	Inlier
siRNA-Temozolomide Run2-DMSO	33	NM_0020	FUT4	fucosyltransferase 4 (alpha (1,3) fucosyltransferase, myeloid-specific)	-0.311972	Inlier
siRNA-Temozolomide Run1-DMSO	33	NM_0020	FUT4	fucosyltransferase 4 (alpha (1,3) fucosyltransferase, myeloid-specific)	-0.09477	Inlier
siRNA-Temozolomide Run3-DMSO	33	NM_0020	FUT4	fucosyltransferase 4 (alpha (1,3) fucosyltransferase, myeloid-specific)	0.09477	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0020 33	FUT4	fucosyltran sferase 4 (alpha (1,3) fucosyltran sferase, myeloid- specific)	0.49016	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0020 33	FUT4	fucosyltran sferase 4 (alpha (1,3) fucosyltran sferase, myeloid- specific)	0.955714	Inlier
siRNA Disorazole DMSO Run2	NM_0020 33	FUT4	fucosyltran sferase 4 (alpha (1,3) fucosyltran sferase, myeloid- specific)	1.137797	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0020 34	FUT5	fucosyltran sferase 5 (alpha (1,3) fucosyltran sferase)	-1.414569	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0020 34	FUT5	fucosyltran sferase 5 (alpha (1,3) fucosyltran sferase)	-0.66978	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0020 34	FUT5	fucosyltran sferase 5 (alpha (1,3) fucosyltran sferase)	-0.215698	Inlier
siRNA Disorazole DMSO Run3	NM_0020 34	FUT5	fucosyltran sferase)	-0.029931	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0020 34	FUT5	fucosyltran sferase 5 (alpha (1,3) fucosyltran sferase)	0.029932	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0020 34	FUT5	fucosyltran sferase 5 (alpha (1,3) fucosyltran sferase)	0.67922	Inlier
siRNA Disorazole DMSO Run2	NM_0020 34	FUT5	fucosyltran sferase 5 (alpha (1,3) fucosyltran sferase)	1.011469	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0020 34	FUT5	fucosyltran sferase 6 (alpha (1,3) fucosyltran sferase)	2.309372	Inlier
siRNA Disorazole DMSO Run1	NM_0001 50	FUT6	fucosyltran sferase 6 (alpha (1,3) fucosyltran sferase)	-1.16887	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0001 50	FUT6	fucosyltran sferase 6 (alpha (1,3) fucosyltran sferase)	-1.04272	Inlier
siRNA Disorazole DMSO Run3	NM_0001 50	FUT6	fucosyltran sferase 6 (alpha (1,3) fucosyltran sferase)	-0.803613	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0001 50	FUT6	fucosyltran sferase)	-0.44258	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

				fucosyltran sferase 6 (alpha (1,3)	
siRNA Disorazole DMSO Run2	NM_0001 50	FUT6		fucosyltran sferase) fucosyltran sferase 6 (alpha (1,3)	0.44258 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0001 50	FUT6		fucosyltran sferase) fucosyltran sferase 6 (alpha (1,3)	0.446933 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0001 50	FUT6		fucosyltran sferase) fucosyltran sferase 6 (alpha (1,3)	0.545387 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0001 50	FUT6		fucosyltran sferase) fucosyltran sferase 7 (alpha (1,3)	0.879111 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0044 79	FUT7		fucosyltran sferase) fucosyltran sferase 7 (alpha (1,3)	-1.347239 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0044 79	FUT7		fucosyltran sferase) fucosyltran sferase 7 (alpha (1,3)	-0.542653 Inlier
siRNA Disorazole DMSO Run1	NM_0044 79	FUT7		fucosyltran sferase) fucosyltran sferase 7 (alpha (1,3)	-0.483984 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0044 79	FUT7		fucosyltran sferase)	-0.109502 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

				fucosyltran sferase 7 (alpha (1,3)	
siRNA Disorazole DMSO Run3	NM_0044 79	FUT7		fucosyltran sferase) fucosyltran sferase 7 (alpha (1,3)	0.109502 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0044 79	FUT7		fucosyltran sferase) fucosyltran sferase 7 (alpha (1,3)	0.806347 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0044 79	FUT7		fucosyltran sferase) fucosyltran sferase 7 (alpha (1,3)	2.760847 Inlier
siRNA Disorazole DMSO Run2	NM_0044 79	FUT7		fucosyltran sferase) fucosyltran sferase 8 (alpha (1,6)	3.24771 Inlier
siRNA-Vinblastine Run2- DMSO	NM_1781 55	FUT8		fucosyltran sferase) fucosyltran sferase 8 (alpha (1,6)	-0.965526 Inlier
siRNA-Temozolomide Run2- DMSO	NM_1781 55	FUT8		fucosyltran sferase) fucosyltran sferase 8 (alpha (1,6)	-0.752789 Inlier
siRNA-Temozolomide Run3- DMSO	NM_1781 55	FUT8		fucosyltran sferase) fucosyltran sferase 8 (alpha (1,6)	-0.410192 Inlier
siRNA Disorazole DMSO Run3	NM_1781 55	FUT8		fucosyltran sferase)	-0.164863 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Enzyme	Enzyme Name	Value	Category
siRNA-Temozolomide Run1-DMSO	NM_178155	FUT8	fucosyltransferase 8 (alpha (1,6) fucosyltransferase)	0.164864	Inlier
siRNA Disorazole DMSO Run1	NM_178155	FUT8	fucosyltransferase 8 (alpha (1,6) fucosyltransferase)	0.596211	Inlier
siRNA Disorazole DMSO Run2	NM_178155	FUT8	fucosyltransferase 8 (alpha (1,6) fucosyltransferase)	2.857335	Inlier
siRNA-Vinblastine Run1-DMSO	NM_178155	FUT8	fucosyltransferase 8 (alpha (1,6) fucosyltransferase)	3.777242	Outlier
siRNA Disorazole DMSO Run1	NM_006581	FUT9	fucosyltransferase 9 (alpha (1,3) fucosyltransferase)	-3.14086	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006581	FUT9	fucosyltransferase 9 (alpha (1,3) fucosyltransferase)	-0.726886	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006581	FUT9	fucosyltransferase 9 (alpha (1,3) fucosyltransferase)	-0.622114	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006581	FUT9	fucosyltransferase 9 (alpha (1,3) fucosyltransferase)	-0.239185	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			fucosyltran sferase 9 (alpha (1,3)	
siRNA-Vinblastine Run2- DMSO	NM_0065 81	FUT9	fucosyltran sferase)	0.239185 Inlier
			fucosyltran sferase 9 (alpha (1,3)	
siRNA Disorazole DMSO Run3	NM_0065 81	FUT9	fucosyltran sferase)	0.39579 Inlier
			fucosyltran sferase 9 (alpha (1,3)	
siRNA Disorazole DMSO Run2	NM_0065 81	FUT9	fucosyltran sferase)	2.322204 Inlier
			fucosyltran sferase 9 (alpha (1,3)	
siRNA-Vinblastine Run1- DMSO	NM_0065 81	FUT9	fucosyltran sferase)	2.761707 Inlier
			follicular lymphoma variant	
siRNA-Temozolomide Run3- DMSO	NM_0020 35	FVT1	translocati on 1	-1.153052 Inlier
			follicular lymphoma variant	
siRNA-Temozolomide Run2- DMSO	NM_0020 35	FVT1	translocati on 1	-0.773614 Inlier
			follicular lymphoma variant	
siRNA Disorazole DMSO Run1	NM_0020 35	FVT1	translocati on 1	-0.144413 Inlier
			follicular lymphoma variant	
siRNA-Vinblastine Run2- DMSO	NM_0020 35	FVT1	translocati on 1	-0.036371 Inlier
			follicular lymphoma variant	
siRNA-Temozolomide Run1- DMSO	NM_0020 35	FVT1	translocati on 1	0.036371 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0020 35	FVT1	follicular lymphoma variant translocation 1	0.575386	Inlier
siRNA Disorazole DMSO Run2	NM_0020 35	FVT1	follicular lymphoma variant translocation 1	1.378063	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0020 35	FVT1	follicular lymphoma variant translocation 1	1.93912	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0121 92	FXC1	fracture callus 1 homolog (rat)	-1.38815	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0121 92	FXC1	fracture callus 1 homolog (rat)	-0.82526	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0121 92	FXC1	fracture callus 1 homolog (rat)	-0.160855	Inlier
siRNA Disorazole DMSO Run3	NM_0121 92	FXC1	fracture callus 1 homolog (rat)	-0.053206	Inlier
siRNA Disorazole DMSO Run1	NM_0121 92	FXC1	fracture callus 1 homolog (rat)	0.053206	Inlier
siRNA Disorazole DMSO Run2	NM_0121 92	FXC1	fracture callus 1 homolog (rat)	0.52374	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0121 92	FXC1	fracture callus 1 homolog (rat)	1.383206	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0121 92	FXC1	fracture callus 1 homolog (rat)	1.488397	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0219 02	FXYD1	FXYD domain containing ion transport regulator 1 (phosphol emman)	-1.258133	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0219 02	FXYD1	FXYD domain containing ion transport regulator 1 (phosphol emman)	-1.083627	Inlier
siRNA Disorazole DMSO Run3	NM_0219 02	FXYD1	FXYD domain containing ion transport regulator 1 (phosphol emman)	-0.612105	Inlier
siRNA Disorazole DMSO Run1	NM_0219 02	FXYD1	FXYD domain containing ion transport regulator 1 (phosphol emman)	-0.014698	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0219 02	FXYD1	FXYD domain containing ion transport regulator 1 (phosphol emman)	0.014698	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_021902	FXYD1	FXYD domain containing ion transport regulator 1 (phosphol emman)	0.361391	Inlier
siRNA-Vinblastine Run2-DMSO	NM_021902	FXYD1	FXYD domain containing ion transport regulator 1 (phosphol emman)	0.736895	Inlier
siRNA-Vinblastine Run1-DMSO	NM_021902	FXYD1	FXYD domain containing ion transport regulator 1 (phosphol emman)	1.521666	Inlier
siRNA Disorazole DMSO Run1	NM_001680	FXYD2	FXYD domain containing ion transport regulator 2	-3.014937	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001680	FXYD2	FXYD domain containing ion transport regulator 2	-2.807492	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001680	FXYD2	FXYD domain containing ion transport regulator 2	-0.794213	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0016 80	FXYD2	FXYD domain containing ion transport regulator 2	-0.096721	Inlier
siRNA Disorazole DMSO Run3	NM_0016 80	FXYD2	FXYD domain containing ion transport regulator 2	0.096721	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0016 80	FXYD2	FXYD domain containing ion transport regulator 2	0.489832	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0016 80	FXYD2	FXYD domain containing ion transport regulator 2	0.554787	Inlier
siRNA Disorazole DMSO Run2	NM_0016 80	FXYD2	FXYD domain containing ion transport regulator 2	3.531054	Outlier
siRNA Disorazole DMSO Run2	NM_0219 10	FXYD3	FXYD domain containing ion transport regulator 3	-1.731431	Inlier
siRNA Disorazole DMSO Run3	NM_0219 10	FXYD3	FXYD domain containing ion transport regulator 3	-1.06192	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0219 10	FXYD3	FXYD domain containing ion transport regulator 3	-0.344368	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0219 10	FXYD3	FXYD domain containing ion transport regulator 3	-0.2192	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0219 10	FXYD3	FXYD domain containing ion transport regulator 3	0.2192	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0219 10	FXYD3	FXYD domain containing ion transport regulator 3	0.221215	Inlier
siRNA Disorazole DMSO Run1	NM_0219 10	FXYD3	FXYD domain containing ion transport regulator 3	1.004632	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0219 10	FXYD3	FXYD domain containing ion transport regulator 3	1.066929	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1447 79	FXYD5	FXYD domain containing ion transport regulator 5	-1.235952	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1447 79	FXVD5	FXVD domain containing ion transport regulator 5	-0.811467	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1447 79	FXVD5	FXVD domain containing ion transport regulator 5	-0.495044	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1447 79	FXVD5	FXVD domain containing ion transport regulator 5	-0.210104	Inlier
siRNA Disorazole DMSO Run3	NM_1447 79	FXVD5	FXVD domain containing ion transport regulator 5	0.210104	Inlier
siRNA Disorazole DMSO Run2	NM_1447 79	FXVD5	FXVD domain containing ion transport regulator 5	0.537533	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1447 79	FXVD5	FXVD domain containing ion transport regulator 5	0.890589	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1447 79	FXVD5	FXVD domain containing ion transport regulator 5	1.369831	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0220 06	FXYD7	FXYD domain containing ion transport regulator 7	-2.374578	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0220 06	FXYD7	FXYD domain containing ion transport regulator 7	-2.02648	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0220 06	FXYD7	FXYD domain containing ion transport regulator 7	-0.990759	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0220 06	FXYD7	FXYD domain containing ion transport regulator 7	-0.267669	Inlier
siRNA Disorazole DMSO Run2	NM_0220 06	FXYD7	FXYD domain containing ion transport regulator 7	0.267669	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0220 06	FXYD7	FXYD domain containing ion transport regulator 7	0.278079	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0220 06	FXYD7	FXYD domain containing ion transport regulator 7	0.35824	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0220 06	FXYD7	FXYD domain containing ion transport regulator 7	2.166084	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0020 36	FY	Duffy blood group	-1.017869	Inlier
siRNA Disorazole DMSO Run2	NM_0020 36	FY	Duffy blood group	-0.696724	Inlier
siRNA Disorazole DMSO Run3	NM_0020 36	FY	Duffy blood group	-0.135238	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0020 36	FY	Duffy blood group	-0.130368	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0020 36	FY	Duffy blood group	0.130368	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0020 36	FY	Duffy blood group	0.652276	Inlier
siRNA Disorazole DMSO Run1	NM_0020 36	FY	Duffy blood group	0.720516	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0020 36	FY	Duffy blood group	0.826553	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1530 47	FYN	FYN oncogene related to SRC, FGR, YES	-1.750829	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1530 47	FYN	FYN oncogene related to SRC, FGR, YES	-1.308393	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1530 47	FYN	FYN oncogene related to SRC, FGR, YES	-0.38647	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_1530 47	FYN	FYN oncogene related to SRC, FGR, YES	-0.292731	Inlier
siRNA Disorazole DMSO Run2	NM_1530 47	FYN	FYN oncogene related to SRC, FGR, YES	0.292731	Inlier
siRNA Disorazole DMSO Run1	NM_1530 47	FYN	FYN oncogene related to SRC, FGR, YES	0.61297	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1530 47	FYN	FYN oncogene related to SRC, FGR, YES	0.73603	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1530 47	FYN	FYN oncogene related to SRC, FGR, YES	0.944205	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0035 05	FZD1	frizzled homolog 1 (Drosophil a)	-1.043777	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0035 05	FZD1	frizzled homolog 1 (Drosophil a)	-0.803066	Inlier
siRNA Disorazole DMSO Run2	NM_0035 05	FZD1	frizzled homolog 1 (Drosophil a)	-0.545934	Inlier
siRNA Disorazole DMSO Run3	NM_0035 05	FZD1	frizzled homolog 1 (Drosophil a)	-0.413424	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_003505	FZD1	frizzled homolog 1 (Drosophila)	0.413424	Inlier
siRNA Disorazole DMSO Run1	NM_003505	FZD1	frizzled homolog 1 (Drosophila)	0.502003	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003505	FZD1	frizzled homolog 1 (Drosophila)	0.935183	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003505	FZD1	frizzled homolog 1 (Drosophila)	0.983834	Inlier
siRNA Disorazole DMSO Run2	NM_007197	FZD10	frizzled homolog 10 (Drosophila)	-0.74934	Inlier
siRNA-Temozolomide Run2-DMSO	NM_007197	FZD10	frizzled homolog 10 (Drosophila)	-0.59966	Inlier
siRNA-Temozolomide Run1-DMSO	NM_007197	FZD10	frizzled homolog 10 (Drosophila)	-0.419854	Inlier
siRNA-Temozolomide Run3-DMSO	NM_007197	FZD10	frizzled homolog 10 (Drosophila)	-0.078271	Inlier
siRNA Disorazole DMSO Run1	NM_007197	FZD10	frizzled homolog 10 (Drosophila)	0.07827	Inlier
siRNA-Vinblastine Run1-DMSO	NM_007197	FZD10	frizzled homolog 10 (Drosophila)	0.886883	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0071 97	FZD10	frizzled homolog 10 (Drosophil a)	1.171233 Inlier
siRNA Disorazole DMSO Run3	NM_0071 97	FZD10	frizzled homolog 10 (Drosophil a)	1.445844 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0014 66	FZD2	frizzled homolog 2 (Drosophil a)	-1.326349 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0014 66	FZD2	frizzled homolog 2 (Drosophil a)	-0.876216 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0014 66	FZD2	frizzled homolog 2 (Drosophil a)	-0.571041 Inlier
siRNA Disorazole DMSO Run2	NM_0014 66	FZD2	frizzled homolog 2 (Drosophil a)	-0.167436 Inlier
siRNA Disorazole DMSO Run1	NM_0014 66	FZD2	frizzled homolog 2 (Drosophil a)	0.167436 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0014 66	FZD2	frizzled homolog 2 (Drosophil a)	0.647961 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0014 66	FZD2	frizzled homolog 2 (Drosophil a)	0.701039 Inlier
siRNA Disorazole DMSO Run3	NM_0014 66	FZD2	frizzled homolog 2 (Drosophil a)	0.702679 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0174 12	FZD3	frizzled homolog 3 (Drosophil a)	-1.30199 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0174 12	FZD3	frizzled homolog 3 (Drosophil a)	-0.788151 Inlier
siRNA Disorazole DMSO Run1	NM_0174 12	FZD3	frizzled homolog 3 (Drosophil a)	-0.560849 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0174 12	FZD3	frizzled homolog 3 (Drosophil a)	-0.322741 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0174 12	FZD3	frizzled homolog 3 (Drosophil a)	0.32274 Inlier
siRNA Disorazole DMSO Run2	NM_0174 12	FZD3	frizzled homolog 3 (Drosophil a)	0.35117 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0174 12	FZD3	frizzled homolog 3 (Drosophil a)	0.90228 Inlier
siRNA Disorazole DMSO Run3	NM_0174 12	FZD3	frizzled homolog 3 (Drosophil a)	1.645838 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0121 93	FZD4	frizzled homolog 4 (Drosophil a)	-0.696292 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0121 93	FZD4	frizzled homolog 4 (Drosophil a)	-0.652708 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0121 93	FZD4	frizzled homolog 4 (Drosophila)	-0.175184	Inlier
siRNA Disorazole DMSO Run2	NM_0121 93	FZD4	frizzled homolog 4 (Drosophila)	-0.002704	Inlier
siRNA Disorazole DMSO Run1	NM_0121 93	FZD4	frizzled homolog 4 (Drosophila)	0.002704	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0121 93	FZD4	frizzled homolog 4 (Drosophila)	1.365481	Inlier
siRNA Disorazole DMSO Run3	NM_0121 93	FZD4	frizzled homolog 4 (Drosophila)	1.37192	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0121 93	FZD4	frizzled homolog 4 (Drosophila)	1.655358	Inlier
siRNA Disorazole DMSO Run2	NM_0034 68	FZD5	frizzled homolog 5 (Drosophila)	-1.677129	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0034 68	FZD5	frizzled homolog 5 (Drosophila)	-0.720767	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0034 68	FZD5	frizzled homolog 5 (Drosophila)	-0.577315	Inlier
siRNA Disorazole DMSO Run1	NM_0034 68	FZD5	frizzled homolog 5 (Drosophila)	-0.089521	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_003468	FZD5	frizzled homolog 5 (Drosophila)	0.089522	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003468	FZD5	frizzled homolog 5 (Drosophila)	0.628233	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003468	FZD5	frizzled homolog 5 (Drosophila)	0.89514	Inlier
siRNA Disorazole DMSO Run3	NM_003468	FZD5	frizzled homolog 5 (Drosophila)	1.175126	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003506	FZD6	frizzled homolog 6 (Drosophila)	-0.987432	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003506	FZD6	frizzled homolog 6 (Drosophila)	-0.851435	Inlier
siRNA Disorazole DMSO Run1	NM_003506	FZD6	frizzled homolog 6 (Drosophila)	-0.427399	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003506	FZD6	frizzled homolog 6 (Drosophila)	-0.156694	Inlier
siRNA Disorazole DMSO Run3	NM_003506	FZD6	frizzled homolog 6 (Drosophila)	0.156694	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003506	FZD6	frizzled homolog 6 (Drosophila)	0.601576	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_003506	FZD6	frizzled homolog 6 (Drosophila)	0.747424	Inlier
siRNA Disorazole DMSO Run2	NM_003506	FZD6	frizzled homolog 6 (Drosophila)	1.175498	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003507	FZD7	frizzled homolog 7 (Drosophila)	-2.573268	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003507	FZD7	frizzled homolog 7 (Drosophila)	-0.56059	Inlier
siRNA Disorazole DMSO Run3	NM_003507	FZD7	frizzled homolog 7 (Drosophila)	-0.283092	Inlier
siRNA Disorazole DMSO Run2	NM_003507	FZD7	frizzled homolog 7 (Drosophila)	-0.012847	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003507	FZD7	frizzled homolog 7 (Drosophila)	0.012847	Inlier
siRNA Disorazole DMSO Run1	NM_003507	FZD7	frizzled homolog 7 (Drosophila)	0.78841	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003507	FZD7	frizzled homolog 7 (Drosophila)	0.916358	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003507	FZD7	frizzled homolog 7 (Drosophila)	0.969761	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0318 66	FZD8	frizzled homolog 8 (Drosophil a)	-1.879494 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0318 66	FZD8	frizzled homolog 8 (Drosophil a)	-0.603311 Inlier
siRNA Disorazole DMSO Run1	NM_0318 66	FZD8	frizzled homolog 8 (Drosophil a)	-0.342213 Inlier
siRNA Disorazole DMSO Run2	NM_0318 66	FZD8	frizzled homolog 8 (Drosophil a)	-0.040789 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0318 66	FZD8	frizzled homolog 8 (Drosophil a)	0.04079 Inlier
siRNA Disorazole DMSO Run3	NM_0318 66	FZD8	frizzled homolog 8 (Drosophil a)	0.745689 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0318 66	FZD8	frizzled homolog 8 (Drosophil a)	0.806123 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0318 66	FZD8	frizzled homolog 8 (Drosophil a)	1.385193 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0035 08	FZD9	frizzled homolog 9 (Drosophil a)	-2.851039 Inlier
siRNA Disorazole DMSO Run2	NM_0035 08	FZD9	frizzled homolog 9 (Drosophil a)	-1.837201 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_003508	FZD9	frizzled homolog 9 (Drosophila)	-0.542972	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003508	FZD9	frizzled homolog 9 (Drosophila)	-0.542592	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003508	FZD9	frizzled homolog 9 (Drosophila)	0.542592	Inlier
siRNA Disorazole DMSO Run3	NM_003508	FZD9	frizzled homolog 9 (Drosophila)	0.578306	Inlier
siRNA Disorazole DMSO Run1	NM_003508	FZD9	frizzled homolog 9 (Drosophila)	0.770694	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003508	FZD9	frizzled homolog 9 (Drosophila)	0.934199	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000151	G6PC	glucose-6-phosphatase, catalytic (glycogen storage disease type I, von Gierke disease)	-2.045344	Inlier
siRNA Disorazole DMSO Run2	NM_000151	G6PC	glucose-6-phosphatase, catalytic (glycogen storage disease type I, von Gierke disease)	-1.1274	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Cell Line	Gene Name	Log Fold Change	Annotation
siRNA-Temozolomide Run2-DMSO	NM_000151	G6PC	glucose-6-phosphatase, catalytic (glycogen storage disease type I, von Gierke disease)	-1.093815	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000151	G6PC	glucose-6-phosphatase, catalytic (glycogen storage disease type I, von Gierke disease)	-0.320967	Inlier
siRNA Disorazole DMSO Run3	NM_000151	G6PC	glucose-6-phosphatase, catalytic (glycogen storage disease type I, von Gierke disease)	0.320967	Inlier
siRNA Disorazole DMSO Run1	NM_000151	G6PC	glucose-6-phosphatase, catalytic (glycogen storage disease type I, von Gierke disease)	0.397796	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000151	G6PC	glucose-6-phosphatase, catalytic (glycogen storage disease type I, von Gierke disease)	0.63804	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_000151	G6PC	glucose-6-phosphatase, catalytic (glycogen storage disease type I, von Gierke disease)	0.71096	Inlier
siRNA-Temozolomide Run2-DMSO	NM_021176	G6PC2	glucose-6-phosphatase, catalytic, 2	-1.774933	Inlier
siRNA-Temozolomide Run3-DMSO	NM_021176	G6PC2	glucose-6-phosphatase, catalytic, 2	-0.80015	Inlier
siRNA Disorazole DMSO Run2	NM_021176	G6PC2	glucose-6-phosphatase, catalytic, 2	-0.539811	Inlier
siRNA Disorazole DMSO Run3	NM_021176	G6PC2	glucose-6-phosphatase, catalytic, 2	-0.21573	Inlier
siRNA-Vinblastine Run1-DMSO	NM_021176	G6PC2	glucose-6-phosphatase, catalytic, 2	0.21573	Inlier
siRNA-Temozolomide Run1-DMSO	NM_021176	G6PC2	glucose-6-phosphatase, catalytic, 2	0.54885	Inlier
siRNA-Vinblastine Run2-DMSO	NM_021176	G6PC2	glucose-6-phosphatase, catalytic, 2	0.949062	Inlier
siRNA Disorazole DMSO Run1	NM_021176	G6PC2	glucose-6-phosphatase, catalytic, 2	1.351036	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_1383 87	G6PC3	glucose 6 phosphata se, catalytic, 3	-2.20418	Inlier
siRNA Disorazole DMSO Run3	NM_1383 87	G6PC3	glucose 6 phosphata se, catalytic, 3	-0.798056	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1383 87	G6PC3	glucose 6 phosphata se, catalytic, 3	-0.68953	Inlier
siRNA Disorazole DMSO Run2	NM_1383 87	G6PC3	glucose 6 phosphata se, catalytic, 3	-0.331994	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1383 87	G6PC3	glucose 6 phosphata se, catalytic, 3	0.331994	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1383 87	G6PC3	glucose 6 phosphata se, catalytic, 3	0.640424	Inlier
siRNA Disorazole DMSO Run1	NM_1383 87	G6PC3	glucose 6 phosphata se, catalytic, 3	0.65947	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1383 87	G6PC3	glucose 6 phosphata se, catalytic, 3	0.978076	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0004 02	G6PD	glucose-6- phosphate dehydroge nase	-1.162824	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0004 02	G6PD	glucose-6- phosphate dehydroge nase	-0.976683	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_000402	G6PD	glucose-6-phosphate dehydrogenase	-0.593101	Inlier
siRNA Disorazole DMSO Run3	NM_000402	G6PD	glucose-6-phosphate dehydrogenase	-0.055013	Inlier
siRNA Disorazole DMSO Run1	NM_000402	G6PD	glucose-6-phosphate dehydrogenase	0.055013	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000402	G6PD	glucose-6-phosphate dehydrogenase	0.584445	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000402	G6PD	glucose-6-phosphate dehydrogenase	0.755899	Inlier
siRNA Disorazole DMSO Run2	NM_000402	G6PD	glucose-6-phosphate dehydrogenase	1.662	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000152	GAA	glucosidase, alpha; acid (Pompe disease, glycogen storage disease type II)	-0.934166	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000152	GAA	glucosidase, alpha; acid (Pompe disease, glycogen storage disease type II)	-0.79849	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Condition	Value	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_000152	GAA	-0.794711	Inlier
siRNA Disorazole DMSO Run3	NM_000152	GAA	-0.116734	Inlier
siRNA Disorazole DMSO Run1	NM_000152	GAA	0.116734	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000152	GAA	0.643251	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000152	GAA	0.656662	Inlier

glucosidas
e, alpha;
acid
(Pompe
disease,
glycogen
storage
disease
type II)
glucosidas
e, alpha;
acid
(Pompe
disease,
glycogen
storage
disease
type II)
glucosidas
e, alpha;
acid
(Pompe
disease,
glycogen
storage
disease
type II)
glucosidas
e, alpha;
acid
(Pompe
disease,
glycogen
storage
disease
type II)

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

				glucosidas e, alpha; acid (Pompe disease, glycogen storage disease type II)	
siRNA Disorazole DMSO Run2	NM_0001 52	GAA		GABA(A) receptor- associated	0.692338 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0072 85	GABARAP L2		protein- like 2 GABA(A) receptor- associated	-2.038348 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0072 85	GABARAP L2		protein- like 2 GABA(A) receptor- associated	-0.757334 Inlier
siRNA Disorazole DMSO Run1	NM_0072 85	GABARAP L2		protein- like 2 GABA(A) receptor- associated	-0.357323 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0072 85	GABARAP L2		protein- like 2 GABA(A) receptor- associated	-0.189032 Inlier
siRNA Disorazole DMSO Run3	NM_0072 85	GABARAP L2		protein- like 2 GABA(A) receptor- associated	0.189032 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0072 85	GABARAP L2		protein- like 2 GABA(A) receptor- associated	0.591666 Inlier
siRNA Disorazole DMSO Run2	NM_0072 85	GABARAP L2		protein- like 2 GABA(A) receptor- associated	2.158201 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0072 85	GABARAP L2		protein- like 2	2.195844 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_021905	GABBR1	gamma-aminobutyric acid (GABA) B receptor, 1	-1.302902	Inlier
siRNA-Temozolomide Run2-DMSO	NM_021905	GABBR1	gamma-aminobutyric acid (GABA) B receptor, 1	-0.636437	Inlier
siRNA-Temozolomide Run1-DMSO	NM_021905	GABBR1	gamma-aminobutyric acid (GABA) B receptor, 1	-0.426201	Inlier
siRNA Disorazole DMSO Run1	NM_021905	GABBR1	gamma-aminobutyric acid (GABA) B receptor, 1	-0.360301	Inlier
siRNA Disorazole DMSO Run2	NM_021905	GABBR1	gamma-aminobutyric acid (GABA) B receptor, 1	0.360301	Inlier
siRNA-Vinblastine Run1-DMSO	NM_021905	GABBR1	gamma-aminobutyric acid (GABA) B receptor, 1	0.712563	Inlier
siRNA-Vinblastine Run2-DMSO	NM_021905	GABBR1	gamma-aminobutyric acid (GABA) B receptor, 1	0.801825	Inlier
siRNA Disorazole DMSO Run3	NM_021905	GABBR1	gamma-aminobutyric acid (GABA) B receptor, 1	1.426018	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log Fold Change	Category
siRNA-Temozolomide Run3-DMSO	NM_000806	GABRA1	gamma-aminobutyric acid (GABA) A receptor, alpha 1	-1.235837	Inlier
siRNA Disorazole DMSO Run1	NM_000806	GABRA1	gamma-aminobutyric acid (GABA) A receptor, alpha 1	-0.504769	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000806	GABRA1	gamma-aminobutyric acid (GABA) A receptor, alpha 1	-0.483615	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000806	GABRA1	gamma-aminobutyric acid (GABA) A receptor, alpha 1	-0.052826	Inlier
siRNA Disorazole DMSO Run3	NM_000806	GABRA1	gamma-aminobutyric acid (GABA) A receptor, alpha 1	0.052826	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000806	GABRA1	gamma-aminobutyric acid (GABA) A receptor, alpha 1	0.844231	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000806	GABRA1	gamma-aminobutyric acid (GABA) A receptor, alpha 1	3.530018	Outlier
siRNA Disorazole DMSO Run2	NM_000806	GABRA1	gamma-aminobutyric acid (GABA) A receptor, alpha 1	3.671898	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log Fold Change	Classification
siRNA-Temozolomide Run3-DMSO	NM_000807	GABRA2	gamma-aminobutyric acid (GABA) A receptor, alpha 2	-8.600896	Outlier
siRNA-Vinblastine Run2-DMSO	NM_000807	GABRA2	gamma-aminobutyric acid (GABA) A receptor, alpha 2	-0.646897	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000807	GABRA2	gamma-aminobutyric acid (GABA) A receptor, alpha 2	-0.383136	Inlier
siRNA Disorazole DMSO Run3	NM_000807	GABRA2	gamma-aminobutyric acid (GABA) A receptor, alpha 2	-0.089372	Inlier
siRNA Disorazole DMSO Run1	NM_000807	GABRA2	gamma-aminobutyric acid (GABA) A receptor, alpha 2	0.089375	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000807	GABRA2	gamma-aminobutyric acid (GABA) A receptor, alpha 2	0.702102	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000807	GABRA2	gamma-aminobutyric acid (GABA) A receptor, alpha 2	11.20094	Outlier
siRNA Disorazole DMSO Run2	NM_000807	GABRA2	gamma-aminobutyric acid (GABA) A receptor, alpha 2	11.58093	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log2 Fold Change	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_000808	GABRA3	gamma-aminobutyric acid (GABA) A receptor, alpha 3	-1.061516	Inlier
siRNA Disorazole DMSO Run1	NM_000808	GABRA3	gamma-aminobutyric acid (GABA) A receptor, alpha 3	-0.698605	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000808	GABRA3	gamma-aminobutyric acid (GABA) A receptor, alpha 3	-0.650395	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000808	GABRA3	gamma-aminobutyric acid (GABA) A receptor, alpha 3	-0.067145	Inlier
siRNA Disorazole DMSO Run3	NM_000808	GABRA3	gamma-aminobutyric acid (GABA) A receptor, alpha 3	0.067146	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000808	GABRA3	gamma-aminobutyric acid (GABA) A receptor, alpha 3	0.182251	Inlier
siRNA Disorazole DMSO Run2	NM_000808	GABRA3	gamma-aminobutyric acid (GABA) A receptor, alpha 3	1.610317	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000808	GABRA3	gamma-aminobutyric acid (GABA) A receptor, alpha 3	1.785506	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log Fold Change	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_000809	GABRA4	gamma-aminobutyric acid (GABA) A receptor, alpha 4	-2.481362	Inlier
siRNA Disorazole DMSO Run1	NM_000809	GABRA4	gamma-aminobutyric acid (GABA) A receptor, alpha 4	-0.782531	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000809	GABRA4	gamma-aminobutyric acid (GABA) A receptor, alpha 4	-0.566469	Inlier
siRNA Disorazole DMSO Run3	NM_000809	GABRA4	gamma-aminobutyric acid (GABA) A receptor, alpha 4	-0.094738	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000809	GABRA4	gamma-aminobutyric acid (GABA) A receptor, alpha 4	0.094738	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000809	GABRA4	gamma-aminobutyric acid (GABA) A receptor, alpha 4	0.43862	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000809	GABRA4	gamma-aminobutyric acid (GABA) A receptor, alpha 4	1.916079	Inlier
siRNA Disorazole DMSO Run2	NM_000809	GABRA4	gamma-aminobutyric acid (GABA) A receptor, alpha 4	2.223237	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Name	Value	Outlier Status
siRNA-Temozolomide Run3-DMSO	GABRA5	NM_000810	gamma-aminobutyric acid (GABA) A receptor, alpha 5	-1.380697	Inlier
siRNA-Temozolomide Run2-DMSO	GABRA5	NM_000810	gamma-aminobutyric acid (GABA) A receptor, alpha 5	-0.917974	Inlier
siRNA Disorazole DMSO Run1	GABRA5	NM_000810	gamma-aminobutyric acid (GABA) A receptor, alpha 5	-0.128881	Inlier
siRNA Disorazole DMSO Run3	GABRA5	NM_000810	gamma-aminobutyric acid (GABA) A receptor, alpha 5	-0.008188	Inlier
siRNA-Temozolomide Run1-DMSO	GABRA5	NM_000810	gamma-aminobutyric acid (GABA) A receptor, alpha 5	0.008188	Inlier
siRNA-Vinblastine Run2-DMSO	GABRA5	NM_000810	gamma-aminobutyric acid (GABA) A receptor, alpha 5	0.431026	Inlier
siRNA-Vinblastine Run1-DMSO	GABRA5	NM_000810	gamma-aminobutyric acid (GABA) A receptor, alpha 5	1.983726	Inlier
siRNA Disorazole DMSO Run2	GABRA5	NM_000810	gamma-aminobutyric acid (GABA) A receptor, alpha 5	2.402849	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Name	Log Fold Change	Outlier Status
siRNA-Temozolomide Run2-DMSO	GABRA6	NM_000811	gamma-aminobutyric acid (GABA) A receptor, alpha 6	-2.077118	Inlier
siRNA-Temozolomide Run3-DMSO	GABRA6	NM_000811	gamma-aminobutyric acid (GABA) A receptor, alpha 6	-1.755405	Inlier
siRNA Disorazole DMSO Run2	GABRA6	NM_000811	gamma-aminobutyric acid (GABA) A receptor, alpha 6	-0.1889	Inlier
siRNA Disorazole DMSO Run1	GABRA6	NM_000811	gamma-aminobutyric acid (GABA) A receptor, alpha 6	-0.112819	Inlier
siRNA-Temozolomide Run1-DMSO	GABRA6	NM_000811	gamma-aminobutyric acid (GABA) A receptor, alpha 6	0.112819	Inlier
siRNA Disorazole DMSO Run3	GABRA6	NM_000811	gamma-aminobutyric acid (GABA) A receptor, alpha 6	0.275256	Inlier
siRNA-Vinblastine Run2-DMSO	GABRA6	NM_000811	gamma-aminobutyric acid (GABA) A receptor, alpha 6	1.073744	Inlier
siRNA-Vinblastine Run1-DMSO	GABRA6	NM_000811	gamma-aminobutyric acid (GABA) A receptor, alpha 6	1.165962	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Description	Log2 Fold Change	Outlier Status
siRNA Disorazole DMSO Run1	GABRB1	NM_000812	gamma-aminobutyric acid (GABA) A receptor, beta 1	-1.438676	Inlier
siRNA-Temozolomide Run1-DMSO	GABRB1	NM_000812	gamma-aminobutyric acid (GABA) A receptor, beta 1	-0.839254	Inlier
siRNA Disorazole DMSO Run3	GABRB1	NM_000812	gamma-aminobutyric acid (GABA) A receptor, beta 1	-0.24816	Inlier
siRNA-Temozolomide Run2-DMSO	GABRB1	NM_000812	gamma-aminobutyric acid (GABA) A receptor, beta 1	-0.165297	Inlier
siRNA-Vinblastine Run2-DMSO	GABRB1	NM_000812	gamma-aminobutyric acid (GABA) A receptor, beta 1	0.165298	Inlier
siRNA-Temozolomide Run3-DMSO	GABRB1	NM_000812	gamma-aminobutyric acid (GABA) A receptor, beta 1	0.509746	Inlier
siRNA-Vinblastine Run1-DMSO	GABRB1	NM_000812	gamma-aminobutyric acid (GABA) A receptor, beta 1	1.029508	Inlier
siRNA Disorazole DMSO Run2	GABRB1	NM_000812	gamma-aminobutyric acid (GABA) A receptor, beta 1	2.100756	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log Fold Change	Category
siRNA-Temozolomide Run3-DMSO	NM_000814	GABRB3	gamma-aminobutyric acid (GABA) A receptor, beta 3	-1.328993	Inlier
siRNA Disorazole DMSO Run1	NM_000814	GABRB3	gamma-aminobutyric acid (GABA) A receptor, beta 3	-0.818404	Inlier
siRNA Disorazole DMSO Run3	NM_000814	GABRB3	gamma-aminobutyric acid (GABA) A receptor, beta 3	-0.329081	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000814	GABRB3	gamma-aminobutyric acid (GABA) A receptor, beta 3	-0.194492	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000814	GABRB3	gamma-aminobutyric acid (GABA) A receptor, beta 3	0.194492	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000814	GABRB3	gamma-aminobutyric acid (GABA) A receptor, beta 3	0.530596	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000814	GABRB3	gamma-aminobutyric acid (GABA) A receptor, beta 3	5.018931	Outlier
siRNA Disorazole DMSO Run2	NM_000814	GABRB3	gamma-aminobutyric acid (GABA) A receptor, beta 3	5.714111	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_000815	GABRD	gamma-aminobutyric acid (GABA) A receptor, delta	-1.008534	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000815	GABRD	gamma-aminobutyric acid (GABA) A receptor, delta	-0.795457	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000815	GABRD	gamma-aminobutyric acid (GABA) A receptor, delta	-0.314702	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000815	GABRD	gamma-aminobutyric acid (GABA) A receptor, delta	-0.154904	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000815	GABRD	gamma-aminobutyric acid (GABA) A receptor, delta	0.154904	Inlier
siRNA Disorazole DMSO Run1	NM_000815	GABRD	gamma-aminobutyric acid (GABA) A receptor, delta	0.553543	Inlier
siRNA Disorazole DMSO Run2	NM_000815	GABRD	gamma-aminobutyric acid (GABA) A receptor, delta	1.134513	Inlier
siRNA Disorazole DMSO Run3	NM_000815	GABRD	gamma-aminobutyric acid (GABA) A receptor, delta	1.831554	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0219 84	GABRE	gamma-aminobutyric acid (GABA) A receptor, epsilon	-1.043142	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0219 84	GABRE	gamma-aminobutyric acid (GABA) A receptor, epsilon	-0.720624	Inlier
siRNA Disorazole DMSO Run3	NM_0219 84	GABRE	gamma-aminobutyric acid (GABA) A receptor, epsilon	-0.454496	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0219 84	GABRE	gamma-aminobutyric acid (GABA) A receptor, epsilon	-0.329723	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0219 84	GABRE	gamma-aminobutyric acid (GABA) A receptor, epsilon	0.329723	Inlier
siRNA Disorazole DMSO Run1	NM_0219 84	GABRE	gamma-aminobutyric acid (GABA) A receptor, epsilon	0.628376	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0219 84	GABRE	gamma-aminobutyric acid (GABA) A receptor, epsilon	1.261538	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0219 84	GABRE	gamma-aminobutyric acid (GABA) A receptor, epsilon	1.368035	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Name	Log Fold Change	Outlier Status
siRNA-Temozolomide Run3-DMSO	GABRG2	NM_198904	gamma-aminobutyric acid (GABA) A receptor, gamma 2	-2.250787	Inlier
siRNA-Temozolomide Run2-DMSO	GABRG2	NM_198904	gamma-aminobutyric acid (GABA) A receptor, gamma 2	-1.193745	Inlier
siRNA-Temozolomide Run1-DMSO	GABRG2	NM_198904	gamma-aminobutyric acid (GABA) A receptor, gamma 2	-0.349462	Inlier
siRNA Disorazole DMSO Run1	GABRG2	NM_198904	gamma-aminobutyric acid (GABA) A receptor, gamma 2	-0.149198	Inlier
siRNA Disorazole DMSO Run3	GABRG2	NM_198904	gamma-aminobutyric acid (GABA) A receptor, gamma 2	0.149197	Inlier
siRNA-Vinblastine Run1-DMSO	GABRG2	NM_198904	gamma-aminobutyric acid (GABA) A receptor, gamma 2	0.595227	Inlier
siRNA-Vinblastine Run2-DMSO	GABRG2	NM_198904	gamma-aminobutyric acid (GABA) A receptor, gamma 2	0.753773	Inlier
siRNA Disorazole DMSO Run2	GABRG2	NM_198904	gamma-aminobutyric acid (GABA) A receptor, gamma 2	1.207272	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Name	Log Fold Change	Outlier Status
siRNA-Temozolomide Run1-DMSO	GABRG3	NM_033223	gamma-aminobutyric acid (GABA) A receptor, gamma 3	-0.781497	Inlier
siRNA Disorazole DMSO Run1	GABRG3	NM_033223	gamma-aminobutyric acid (GABA) A receptor, gamma 3	-0.567503	Inlier
siRNA Disorazole DMSO Run2	GABRG3	NM_033223	gamma-aminobutyric acid (GABA) A receptor, gamma 3	-0.184255	Inlier
siRNA-Temozolomide Run3-DMSO	GABRG3	NM_033223	gamma-aminobutyric acid (GABA) A receptor, gamma 3	-0.028867	Inlier
siRNA-Temozolomide Run2-DMSO	GABRG3	NM_033223	gamma-aminobutyric acid (GABA) A receptor, gamma 3	0.028869	Inlier
siRNA Disorazole DMSO Run3	GABRG3	NM_033223	gamma-aminobutyric acid (GABA) A receptor, gamma 3	1.889409	Inlier
siRNA-Vinblastine Run2-DMSO	GABRG3	NM_033223	gamma-aminobutyric acid (GABA) A receptor, gamma 3	2.387124	Inlier
siRNA-Vinblastine Run1-DMSO	GABRG3	NM_033223	gamma-aminobutyric acid (GABA) A receptor, gamma 3	2.713682	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0142 11	GABRP	gamma-aminobutyric acid (GABA) A receptor, pi	-1.660051	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0142 11	GABRP	gamma-aminobutyric acid (GABA) A receptor, pi	-0.724416	Inlier
siRNA Disorazole DMSO Run1	NM_0142 11	GABRP	gamma-aminobutyric acid (GABA) A receptor, pi	-0.555225	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0142 11	GABRP	gamma-aminobutyric acid (GABA) A receptor, pi	-0.377123	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0142 11	GABRP	gamma-aminobutyric acid (GABA) A receptor, pi	0.377124	Inlier
siRNA Disorazole DMSO Run3	NM_0142 11	GABRP	gamma-aminobutyric acid (GABA) A receptor, pi	0.624584	Inlier
siRNA Disorazole DMSO Run2	NM_0142 11	GABRP	gamma-aminobutyric acid (GABA) A receptor, pi	1.258679	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0142 11	GABRP	gamma-aminobutyric acid (GABA) A receptor, pi	1.291783	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_018558	GABRQ	gamma-aminobutyric acid (GABA) receptor, theta	-0.706085	Inlier
siRNA-Temozolomide Run3-DMSO	NM_018558	GABRQ	gamma-aminobutyric acid (GABA) receptor, theta	-0.701019	Inlier
siRNA-Temozolomide Run2-DMSO	NM_018558	GABRQ	gamma-aminobutyric acid (GABA) receptor, theta	-0.601841	Inlier
siRNA Disorazole DMSO Run1	NM_018558	GABRQ	gamma-aminobutyric acid (GABA) receptor, theta	-0.295064	Inlier
siRNA-Vinblastine Run2-DMSO	NM_018558	GABRQ	gamma-aminobutyric acid (GABA) receptor, theta	0.295065	Inlier
siRNA Disorazole DMSO Run3	NM_018558	GABRQ	gamma-aminobutyric acid (GABA) receptor, theta	0.647981	Inlier
siRNA Disorazole DMSO Run2	NM_018558	GABRQ	gamma-aminobutyric acid (GABA) receptor, theta	1.234201	Inlier
siRNA-Vinblastine Run1-DMSO	NM_018558	GABRQ	gamma-aminobutyric acid (GABA) receptor, theta	2.399222	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_002042	GABRR1	gamma-aminobutyric acid (GABA) receptor, rho 1	-1.362593	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002042	GABRR1	gamma-aminobutyric acid (GABA) receptor, rho 1	-0.980933	Inlier
siRNA Disorazole DMSO Run3	NM_002042	GABRR1	gamma-aminobutyric acid (GABA) receptor, rho 1	-0.383209	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002042	GABRR1	gamma-aminobutyric acid (GABA) receptor, rho 1	-0.171006	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002042	GABRR1	gamma-aminobutyric acid (GABA) receptor, rho 1	0.171006	Inlier
siRNA Disorazole DMSO Run1	NM_002042	GABRR1	gamma-aminobutyric acid (GABA) receptor, rho 1	0.295576	Inlier
siRNA Disorazole DMSO Run2	NM_002042	GABRR1	gamma-aminobutyric acid (GABA) receptor, rho 1	0.965791	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002042	GABRR1	gamma-aminobutyric acid (GABA) receptor, rho 1	2.576436	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_002043	GABRR2	gamma-aminobutyric acid (GABA) receptor, rho 2	-2.100221	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002043	GABRR2	gamma-aminobutyric acid (GABA) receptor, rho 2	-0.766197	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002043	GABRR2	gamma-aminobutyric acid (GABA) receptor, rho 2	-0.439842	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002043	GABRR2	gamma-aminobutyric acid (GABA) receptor, rho 2	-0.278824	Inlier
siRNA Disorazole DMSO Run3	NM_002043	GABRR2	gamma-aminobutyric acid (GABA) receptor, rho 2	0.278823	Inlier
siRNA Disorazole DMSO Run1	NM_002043	GABRR2	gamma-aminobutyric acid (GABA) receptor, rho 2	0.582803	Inlier
siRNA Disorazole DMSO Run2	NM_002043	GABRR2	gamma-aminobutyric acid (GABA) receptor, rho 2	1.226024	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002043	GABRR2	gamma-aminobutyric acid (GABA) receptor, rho 2	1.290233	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0134 45	GAD1	glutamate decarboxyl ase 1 (brain, 67kDa)	-1.9822	Inlier
siRNA Disorazole DMSO Run1	NM_0134 45	GAD1	glutamate decarboxyl ase 1 (brain, 67kDa)	-0.877977	Inlier
siRNA Disorazole DMSO Run3	NM_0134 45	GAD1	glutamate decarboxyl ase 1 (brain, 67kDa)	-0.471023	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0134 45	GAD1	glutamate decarboxyl ase 1 (brain, 67kDa)	-0.023636	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0134 45	GAD1	glutamate decarboxyl ase 1 (brain, 67kDa)	0.023636	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0134 45	GAD1	glutamate decarboxyl ase 1 (brain, 67kDa)	0.446702	Inlier
siRNA Disorazole DMSO Run2	NM_0134 45	GAD1	glutamate decarboxyl ase 1 (brain, 67kDa)	2.478359	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0134 45	GAD1	glutamate decarboxyl ase 1 (brain, 67kDa)	3.229664	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0008 18	GAD2	glutamate decarboxyl ase 2 (pancreatic islets and brain, 65kDa)	-1.26184	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_000818	GAD2	glutamate decarboxylase 2 (pancreatic islets and brain, 65kDa)	-0.394857	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000818	GAD2	glutamate decarboxylase 2 (pancreatic islets and brain, 65kDa)	-0.346931	Inlier
siRNA Disorazole DMSO Run3	NM_000818	GAD2	glutamate decarboxylase 2 (pancreatic islets and brain, 65kDa)	-0.136702	Inlier
siRNA Disorazole DMSO Run1	NM_000818	GAD2	glutamate decarboxylase 2 (pancreatic islets and brain, 65kDa)	0.136702	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000818	GAD2	glutamate decarboxylase 2 (pancreatic islets and brain, 65kDa)	0.954143	Inlier
siRNA Disorazole DMSO Run2	NM_000818	GAD2	glutamate decarboxylase 2 (pancreatic islets and brain, 65kDa)	2.103468	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000818	GAD2	glutamate decarboxylase 2 (pancreatic islets and brain, 65kDa)	2.862458	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005255	GAK	cyclin G associated kinase	-0.823917	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology					
siRNA-Temozolomide Run2-DMSO	NM_0052 55	GAK	cyclin G associated kinase	-0.525083	Inlier
siRNA Disorazole DMSO Run3	NM_0052 55	GAK	cyclin G associated kinase	-0.225185	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0052 55	GAK	cyclin G associated kinase	-0.092324	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0052 55	GAK	cyclin G associated kinase	0.092325	Inlier
siRNA Disorazole DMSO Run1	NM_0052 55	GAK	cyclin G associated kinase	1.487046	Inlier
siRNA Disorazole DMSO Run2	NM_0052 55	GAK	cyclin G associated kinase	3.106297	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0052 55	GAK	cyclin G associated kinase	3.107737	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0048 61	GAL3ST1	galactose-3-O-sulfotransferase 1	-2.907641	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0048 61	GAL3ST1	galactose-3-O-sulfotransferase 1	-0.759974	Inlier
siRNA Disorazole DMSO Run3	NM_0048 61	GAL3ST1	galactose-3-O-sulfotransferase 1	-0.562234	Inlier
siRNA Disorazole DMSO Run1	NM_0048 61	GAL3ST1	galactose-3-O-sulfotransferase 1	-0.141588	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0048 61	GAL3ST1	galactose-3-O-sulfotransferase 1	0.14159	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0048 61	GAL3ST1	galactose-3-O-sulfotransferase 1	0.589026	Inlier
siRNA Disorazole DMSO Run2	NM_0048 61	GAL3ST1	galactose-3-O-sulfotransferase 1	5.189335	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_004861	GAL3ST1	galactose-3-O-sulfotransferase 1	5.845398	Outlier
siRNA-Temozolomide Run2-DMSO	NM_000153	GALC	galactosylceramide (Krabbe disease)	-0.917046	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000153	GALC	galactosylceramide (Krabbe disease)	-0.818197	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000153	GALC	galactosylceramide (Krabbe disease)	-0.530803	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000153	GALC	galactosylceramide (Krabbe disease)	-0.015754	Inlier
siRNA Disorazole DMSO Run3	NM_000153	GALC	galactosylceramide (Krabbe disease)	0.015754	Inlier
siRNA Disorazole DMSO Run1	NM_000153	GALC	galactosylceramide (Krabbe disease)	0.503141	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000153	GALC	galactosylceramide (Krabbe disease)	1.387479	Inlier
siRNA Disorazole DMSO Run2	NM_000153	GALC	galactosylceramide (Krabbe disease)	1.429082	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000403	GALE	UDP-galactose-4-epimerase	-1.107444	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_000403	GALE	UDP-galactose-4-epimerase	-1.020082	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000403	GALE	UDP-galactose-4-epimerase	-0.73436	Inlier
siRNA Disorazole DMSO Run1	NM_000403	GALE	UDP-galactose-4-epimerase	-0.056224	Inlier
siRNA Disorazole DMSO Run3	NM_000403	GALE	UDP-galactose-4-epimerase	0.056224	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000403	GALE	UDP-galactose-4-epimerase	0.329449	Inlier
siRNA Disorazole DMSO Run2	NM_000403	GALE	UDP-galactose-4-epimerase	0.61464	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000403	GALE	UDP-galactose-4-epimerase	1.018891	Inlier
siRNA Disorazole DMSO Run1	NM_001478	GALGT	UDP-N-acetyl-alpha-D-galactosamine:(N-acetylneuraminyl)-galactosylglucosylceramide N-acetylgalactosaminyl transferase (GalNAc-T)	-0.72076	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_001478	GALGT	UDP-N-acetyl-alpha-D-galactosamine:(N-acetylneuraminyl)-galactosylglucosylceramide N-acetylgalactosaminyl transferase (GalNAc-T)	-0.62824 Inlier
siRNA-Temozolomide Run2-DMSO	NM_001478	GALGT	UDP-N-acetyl-alpha-D-galactosamine:(N-acetylneuraminyl)-galactosylglucosylceramide N-acetylgalactosaminyl transferase (GalNAc-T)	-0.400236 Inlier
siRNA-Temozolomide Run3-DMSO	NM_001478	GALGT	UDP-N-acetyl-alpha-D-galactosamine:(N-acetylneuraminyl)-galactosylglucosylceramide N-acetylgalactosaminyl transferase (GalNAc-T)	-0.344137 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_001478	GALGT	UDP-N-acetyl-alpha-D-galactosamine:(N-acetylneuraminyl)-galactosylglucosylceramide N-acetylgalactosaminyl transferase (GalNAc-T)	0.344138	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001478	GALGT	UDP-N-acetyl-alpha-D-galactosamine:(N-acetylneuraminyl)-galactosylglucosylceramide N-acetylgalactosaminyl transferase (GalNAc-T)	0.933841	Inlier
siRNA Disorazole DMSO Run2	NM_001478	GALGT	UDP-N-acetyl-alpha-D-galactosamine:(N-acetylneuraminyl)-galactosylglucosylceramide N-acetylgalactosaminyl transferase (GalNAc-T)	1.010484	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0014 78	GALGT	UDP-N-acetyl-alpha-D-galactosamine:(N-acetylneuraminyl)-galactosylglucosylceramide N-acetylgalactosaminyl transferase (GalNAc-T)	1.387387	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1534 46	GALGT2	UDP-GalNAc:Neu5Ac(alpha2-3Galbeta-R beta1,4-N-acetylgalactosaminyl transferase	-1.018399	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1534 46	GALGT2	UDP-GalNAc:Neu5Ac(alpha2-3Galbeta-R beta1,4-N-acetylgalactosaminyl transferase	-0.966983	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1534 46	GALGT2	UDP-GalNAc:Neu5Ac(alpha2-3Galbeta-R beta1,4-N-acetylgalactosaminyl transferase	-0.382017	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Condition	Run	Gene	Enzyme	Value	Category	
siRNA Disorazole	DMSO	Run3	46	NM_1534	GALGT2	-0.057642	Inlier
siRNA Disorazole	DMSO	Run1	46	NM_1534	GALGT2	0.057642	Inlier
siRNA-Vinblastine	Run2-DMSO		46	NM_1534	GALGT2	0.202918	Inlier
siRNA Disorazole	DMSO	Run2	46	NM_1534	GALGT2	1.807761	Inlier

UDP-GalNAc:Neu5Ac α 2-3Gal β 1,4-N-acetylglucosaminyl transferase

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Enzyme Name	Log Fold Change	Outlier Status
siRNA-Vinblastine Run1-DMSO	NM_153446	GALGT2	UDP-GalNAc:Neu5AcpHase 2-3Galbeta-R beta1,4-N-acetylgalactosaminyl transferase	2.06184	Inlier
siRNA Disorazole DMSO Run1	NM_000154	GALK1	galactokinase 1	-1.431952	Inlier
siRNA Disorazole DMSO Run2	NM_000154	GALK1	galactokinase 1	-0.794936	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000154	GALK1	galactokinase 1	-0.467031	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000154	GALK1	galactokinase 1	-0.389189	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000154	GALK1	galactokinase 1	0.38919	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000154	GALK1	galactokinase 1	0.554064	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000154	GALK1	galactokinase 1	1.109794	Inlier
siRNA Disorazole DMSO Run3	NM_000154	GALK1	galactokinase 1	4.217556	Outlier
siRNA-Temozolomide Run1-DMSO	NM_002044	GALK2	galactokinase 2	-1.212578	Inlier
siRNA Disorazole DMSO Run1	NM_002044	GALK2	galactokinase 2	-1.204254	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002044	GALK2	galactokinase 2	-1.028831	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002044	GALK2	galactokinase 2	-0.124237	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002044	GALK2	galactokinase 2	0.124237	Inlier
siRNA Disorazole DMSO Run2	NM_002044	GALK2	galactokinase 2	0.142792	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002044	GALK2	galactokinase 2	0.320169	Inlier
siRNA Disorazole DMSO Run3	NM_002044	GALK2	galactokinase 2	4.463359	Outlier
siRNA-Temozolomide Run2-DMSO	NM_138801	GALM	galactose mutarotase (aldose 1-epimerase)	-1.190207	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Log Fold Change	Classification
siRNA-Temozolomide Run3-DMSO	NM_138801	GALM	-1.039958	Inlier
siRNA-Temozolomide Run1-DMSO	NM_138801	GALM	-0.309042	Inlier
siRNA Disorazole DMSO Run1	NM_138801	GALM	-0.035077	Inlier
siRNA Disorazole DMSO Run3	NM_138801	GALM	0.035077	Inlier
siRNA-Vinblastine Run2-DMSO	NM_138801	GALM	0.082861	Inlier
siRNA Disorazole DMSO Run2	NM_138801	GALM	3.380214	Inlier
siRNA-Vinblastine Run1-DMSO	NM_138801	GALM	3.817188	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_000512	GALNS	galactosamine (N-acetyl)-6-sulfate sulfatase (Morquio syndrome, mucopolysaccharidos is type IVA)	-1.049904	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000512	GALNS	galactosamine (N-acetyl)-6-sulfate sulfatase (Morquio syndrome, mucopolysaccharidos is type IVA)	-0.299095	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000512	GALNS	galactosamine (N-acetyl)-6-sulfate sulfatase (Morquio syndrome, mucopolysaccharidos is type IVA)	-0.21802	Inlier
siRNA Disorazole DMSO Run3	NM_000512	GALNS	galactosamine (N-acetyl)-6-sulfate sulfatase (Morquio syndrome, mucopolysaccharidos is type IVA)	-0.20031	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_000512	GALNS	galactosamine (N-acetyl)-6-sulfate sulfatase (Morquio syndrome, mucopolysaccharidosis type IVA)	0.20031	Inlier
siRNA Disorazole DMSO Run1	NM_000512	GALNS	galactosamine (N-acetyl)-6-sulfate sulfatase (Morquio syndrome, mucopolysaccharidosis type IVA)	1.166817	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000512	GALNS	galactosamine (N-acetyl)-6-sulfate sulfatase (Morquio syndrome, mucopolysaccharidosis type IVA)	4.835337	Outlier
siRNA Disorazole DMSO Run2	NM_000512	GALNS	galactosamine (N-acetyl)-6-sulfate sulfatase (Morquio syndrome, mucopolysaccharidosis type IVA)	5.195991	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Enzyme Name	Log Fold Change	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_020474	GALNT1	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 1 (GalNAc-T1)	-0.873499	Inlier
siRNA-Temozolomide Run3-DMSO	NM_020474	GALNT1	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 1 (GalNAc-T1)	-0.675964	Inlier
siRNA-Temozolomide Run1-DMSO	NM_020474	GALNT1	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 1 (GalNAc-T1)	-0.610723	Inlier
siRNA Disorazole DMSO Run1	NM_020474	GALNT1	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 1 (GalNAc-T1)	-0.566082	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA	Run	Gene	Accession	Value	Category
siRNA Disorazole DMSO	Run3	GALNT1	NM_020474	0.566083	Inlier
siRNA-Vinblastine DMSO	Run1	GALNT1	NM_020474	0.673036	Inlier
siRNA-Vinblastine DMSO	Run2	GALNT1	NM_020474	0.681423	Inlier
siRNA Disorazole DMSO	Run2	GALNT1	NM_020474	1.405483	Inlier

UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 1 (GalNAc-T1)

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA	Gene	Gene ID	Gene Name	Log2 Fold Change	Category
siRNA-Temozolomide Run3-DMSO	GALNT10	NM_198321	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 10 (GalNAc-T10)	-0.842852	Inlier
siRNA-Temozolomide Run1-DMSO	GALNT10	NM_198321	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 10 (GalNAc-T10)	-0.506148	Inlier
siRNA-Temozolomide Run2-DMSO	GALNT10	NM_198321	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 10 (GalNAc-T10)	-0.359113	Inlier
siRNA Disorazole DMSO Run3	GALNT10	NM_198321	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 10 (GalNAc-T10)	-0.088987	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA	Condition	Run	Gene	Accession	Value	Category
siRNA Disorazole	DMSO	Run1	GALNT10	NM_198321	0.088987	Inlier
siRNA-Vinblastine	DMSO	Run2	GALNT10	NM_198321	0.897882	Inlier
siRNA-Vinblastine	DMSO	Run1	GALNT10	NM_198321	2.156162	Inlier
siRNA Disorazole	DMSO	Run2	GALNT10	NM_198321	2.642215	Inlier

UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 10 (GalNAc-T10)

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Gene Name	Value	Category
siRNA-Temozolomide Run1-DMSO	NM_022087	GALNT11	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 11 (GalNAc-T11)	-0.851515	Inlier
siRNA Disorazole DMSO Run1	NM_022087	GALNT11	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 11 (GalNAc-T11)	-0.841004	Inlier
siRNA-Temozolomide Run3-DMSO	NM_022087	GALNT11	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 11 (GalNAc-T11)	-0.34151	Inlier
siRNA-Temozolomide Run2-DMSO	NM_022087	GALNT11	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 11 (GalNAc-T11)	-0.144505	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA	Condition	Run	Gene	Accession	Value	Outlier
siRNA Disorazole	DMSO	Run3	GALNT11	NM_022087	0.144505	Inlier
siRNA-Vinblastine	DMSO	Run2	GALNT11	NM_022087	0.650678	Inlier
siRNA-Vinblastine	DMSO	Run1	GALNT11	NM_022087	0.698322	Inlier
siRNA Disorazole	DMSO	Run2	GALNT11	NM_022087	0.786996	Inlier

UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 11

(GalNAc-T11)

UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 11

(GalNAc-T11)

UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 11

(GalNAc-T11)

UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 11

(GalNAc-T11)

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA	Condition	Run	Gene	Log2 Fold Change	Category
siRNA Disorazole	DMSO	Run3	GALNT12	-1.047126	Inlier
siRNA-Vinblastine	DMSO	Run2	GALNT12	-0.745362	Inlier
siRNA-Temozolomide	DMSO	Run3	GALNT12	-0.603638	Inlier
siRNA Disorazole	DMSO	Run1	GALNT12	-0.095846	Inlier

UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 12

(GalNAc-T12)

UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 12

(GalNAc-T12)

UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 12

(GalNAc-T12)

UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 12

(GalNAc-T12)

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Enzyme Name	Value	Category
siRNA-Temozolomide Run1-DMSO	NM_024642	GALNT12	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 12 (GalNAc-T12)	0.095846	Inlier
siRNA-Temozolomide Run2-DMSO	NM_024642	GALNT12	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 12 (GalNAc-T12)	0.349831	Inlier
siRNA-Vinblastine Run1-DMSO	NM_024642	GALNT12	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 12 (GalNAc-T12)	6.314521	Outlier
siRNA Disorazole DMSO Run2	NM_024642	GALNT12	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 12 (GalNAc-T12)	7.495233	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA	Condition	Run	Gene	Log2 Fold Change	Annotation
siRNA Disorazole	DMSO	Run1	GALNT14	-2.394558	Inlier
siRNA-Temozolomide	DMSO	Run1	GALNT14	-2.084012	Inlier
siRNA-Vinblastine	DMSO	Run2	GALNT14	-0.620082	Inlier
siRNA Disorazole	DMSO	Run3	GALNT14	-0.004954	Inlier

UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 14

(GalNAc-T14)

UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 14

(GalNAc-T14)

UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 14

(GalNAc-T14)

UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 14

(GalNAc-T14)

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Enzyme Name	p-value	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_024572	GALNT14	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 14 (GalNAc-T14)	0.004954	Inlier
siRNA-Temozolomide Run2-DMSO	NM_024572	GALNT14	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 14 (GalNAc-T14)	0.122516	Inlier
siRNA-Vinblastine Run1-DMSO	NM_024572	GALNT14	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 14 (GalNAc-T14)	0.728918	Inlier
siRNA Disorazole DMSO Run2	NM_024572	GALNT14	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 14 (GalNAc-T14)	1.083644	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Enzyme Name	Log Fold Change	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_004481	GALNT2	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 2 (GalNAc-T2)	-1.354395	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004481	GALNT2	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 2 (GalNAc-T2)	-0.933845	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004481	GALNT2	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 2 (GalNAc-T2)	-0.427534	Inlier
siRNA Disorazole DMSO Run1	NM_004481	GALNT2	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 2 (GalNAc-T2)	-0.15682	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Enzyme Name	Value	Category
siRNA-Vinblastine Run2-DMSO	NM_004481	GALNT2	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 2 (GalNAc-T2)	0.15682	Inlier
siRNA Disorazole DMSO Run3	NM_004481	GALNT2	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 2 (GalNAc-T2)	0.223311	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004481	GALNT2	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 2 (GalNAc-T2)	0.921466	Inlier
siRNA Disorazole DMSO Run2	NM_004481	GALNT2	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 2 (GalNAc-T2)	1.214192	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Gene Name	Log Fold Change	Outlier
siRNA Disorazole DMSO Run1	GALNT3	NM_004482	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 3 (GalNAc-T3)	-1.490575	Inlier
siRNA-Temozolomide Run1-DMSO	GALNT3	NM_004482	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 3 (GalNAc-T3)	-1.148998	Inlier
siRNA-Temozolomide Run2-DMSO	GALNT3	NM_004482	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 3 (GalNAc-T3)	-0.533675	Inlier
siRNA-Temozolomide Run3-DMSO	GALNT3	NM_004482	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 3 (GalNAc-T3)	-0.039235	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Enzyme Name	p-value	Outlier Status
siRNA-Vinblastine Run2-DMSO	NM_004482	GALNT3	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 3 (GalNAc-T3)	0.039235	Inlier
siRNA Disorazole DMSO Run2	NM_004482	GALNT3	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 3 (GalNAc-T3)	0.446255	Inlier
siRNA Disorazole DMSO Run3	NM_004482	GALNT3	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 3 (GalNAc-T3)	0.815325	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004482	GALNT3	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 3 (GalNAc-T3)	2.642189	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA	Condition	Run	Gene	Log Fold Change	Outlier
siRNA Disorazole	DMSO	Run1	GALNT4	-1.443676	Inlier
siRNA Disorazole	DMSO	Run2	GALNT4	-0.636456	Inlier
siRNA Disorazole	DMSO	Run3	GALNT4	-0.5811	Inlier
siRNA-Temozolomide	DMSO	Run1	GALNT4	-0.164564	Inlier

UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 4

(GalNAc-T4)

UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 4

(GalNAc-T4)

UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 4

(GalNAc-T4)

UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 4

(GalNAc-T4)

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_003774	GALNT4	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 4 (GalNAc-T4)	0.164565	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003774	GALNT4	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 4 (GalNAc-T4)	0.712544	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003774	GALNT4	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 4 (GalNAc-T4)	0.87965	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003774	GALNT4	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 4 (GalNAc-T4)	1.087345	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Log Fold Change	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_014568	GALNT5	-1.398857	Inlier
siRNA-Temozolomide Run1-DMSO	NM_014568	GALNT5	-0.611032	Inlier
siRNA-Temozolomide Run2-DMSO	NM_014568	GALNT5	-0.591109	Inlier
siRNA Disorazole DMSO Run1	NM_014568	GALNT5	-0.435366	Inlier

UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 5 (GalNAc-T5)
 UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 5 (GalNAc-T5)
 UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 5 (GalNAc-T5)
 UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 5 (GalNAc-T5)

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Run	Gene	Accession	Value	Category
siRNA Disorazole DMSO	Run3	GALNT5	NM_014568	0.435366	Inlier
siRNA-Vinblastine DMSO	Run2	GALNT5	NM_014568	0.737968	Inlier
siRNA-Vinblastine DMSO	Run1	GALNT5	NM_014568	0.770407	Inlier
siRNA Disorazole DMSO	Run2	GALNT5	NM_014568	0.970203	Inlier

UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 5 (GalNAc-T5)

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Name	Log Fold Change	Outlier Status
siRNA-Temozolomide Run3-DMSO	GALNT6	NM_007210	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 6 (GalNAc-T6)	-1.127607	Inlier
siRNA-Temozolomide Run1-DMSO	GALNT6	NM_007210	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 6 (GalNAc-T6)	-0.898858	Inlier
siRNA Disorazole DMSO Run1	GALNT6	NM_007210	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 6 (GalNAc-T6)	-0.653999	Inlier
siRNA-Temozolomide Run2-DMSO	GALNT6	NM_007210	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 6 (GalNAc-T6)	-0.128445	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Name	Value	Outlier
siRNA-Vinblastine Run2-DMSO	GALNT6	NM_007210	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 6 (GalNAc-T6)	0.128444	Inlier
siRNA Disorazole DMSO Run3	GALNT6	NM_007210	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 6 (GalNAc-T6)	0.527482	Inlier
siRNA-Vinblastine Run1-DMSO	GALNT6	NM_007210	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 6 (GalNAc-T6)	0.695001	Inlier
siRNA Disorazole DMSO Run2	GALNT6	NM_007210	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 6 (GalNAc-T6)	1.297864	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Log Fold Change	Inlier
siRNA-Temozolomide Run3-DMSO	NM_017423	GALNT7	-1.369385	Inlier
siRNA-Temozolomide Run1-DMSO	NM_017423	GALNT7	-0.732685	Inlier
siRNA Disorazole DMSO Run1	NM_017423	GALNT7	-0.57446	Inlier
siRNA-Temozolomide Run2-DMSO	NM_017423	GALNT7	-0.272804	Inlier

UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 7

(GalNAc-T7)

UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 7

(GalNAc-T7)

UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 7

(GalNAc-T7)

UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 7

(GalNAc-T7)

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Condition	Run	Gene	Accession	Enzyme	Value	Outlier
siRNA Disorazole	DMSO	Run2	GALNT7	NM_017423	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 7 (GalNAc-T7)	0.272803	Inlier
siRNA Disorazole	DMSO	Run3	GALNT7	NM_017423	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 7 (GalNAc-T7)	0.616315	Inlier
siRNA-Vinblastine	Run2-DMSO		GALNT7	NM_017423	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 7 (GalNAc-T7)	0.740871	Inlier
siRNA-Vinblastine	Run1-DMSO		GALNT7	NM_017423	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 7 (GalNAc-T7)	1.262931	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA	Gene	Gene ID	Gene Name	Log Fold Change	Outlier
siRNA-Temozolomide Run1-DMSO	GALNT8	NM_017417	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 8 (GalNAc-T8)	-1.373902	Inlier
siRNA Disorazole DMSO Run1	GALNT8	NM_017417	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 8 (GalNAc-T8)	-1.060325	Inlier
siRNA-Temozolomide Run3-DMSO	GALNT8	NM_017417	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 8 (GalNAc-T8)	-0.219058	Inlier
siRNA-Vinblastine Run2-DMSO	GALNT8	NM_017417	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 8 (GalNAc-T8)	-0.124148	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA	Run	Gene	Accession	Enzyme	Value	Category
siRNA-Temozolomide	Run2-DMSO	GALNT8	NM_017417	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 8 (GalNAc-T8)	0.124148	Inlier
siRNA Disorazole	DMSO Run3	GALNT8	NM_017417	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 8 (GalNAc-T8)	0.288675	Inlier
siRNA-Vinblastine	Run1-DMSO	GALNT8	NM_017417	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 8 (GalNAc-T8)	1.214591	Inlier
siRNA Disorazole	DMSO Run2	GALNT8	NM_017417	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 8 (GalNAc-T8)	1.294875	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_021808	GALNT9	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 9 (GalNAc-T9)	-1.21699	Inlier
siRNA-Temozolomide Run2-DMSO	NM_021808	GALNT9	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 9 (GalNAc-T9)	-0.681217	Inlier
siRNA Disorazole DMSO Run1	NM_021808	GALNT9	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 9 (GalNAc-T9)	-0.667783	Inlier
siRNA-Temozolomide Run1-DMSO	NM_021808	GALNT9	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 9 (GalNAc-T9)	-0.649927	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA	Gene	Gene Symbol	Enzyme	Value	Outlier
siRNA-Vinblastine Run2-DMSO	NM_021808	GALNT9	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 9 (GalNAc-T9)	0.649927	Inlier
siRNA Disorazole DMSO Run3	NM_021808	GALNT9	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 9 (GalNAc-T9)	0.662362	Inlier
siRNA-Vinblastine Run1-DMSO	NM_021808	GALNT9	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 9 (GalNAc-T9)	2.689433	Inlier
siRNA Disorazole DMSO Run2	NM_021808	GALNT9	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase 9 (GalNAc-T9)	2.756337	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA	Gene	Gene ID	Gene Name	Log2 Fold Change	Outlier Status
siRNA-Temozolomide Run3-DMSO	GALNTL2	NM_054110	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase-like 2	-2.951532	Inlier
siRNA Disorazole DMSO Run3	GALNTL2	NM_054110	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase-like 2	-0.710625	Inlier
siRNA-Temozolomide Run1-DMSO	GALNTL2	NM_054110	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase-like 2	-0.638375	Inlier
siRNA Disorazole DMSO Run1	GALNTL2	NM_054110	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase-like 2	-0.111574	Inlier
siRNA-Temozolomide Run2-DMSO	GALNTL2	NM_054110	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase-like 2	0.111574	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0541 10	GALNTL2	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase-like 2	0.573517	Inlier
siRNA Disorazole DMSO Run2	NM_0541 10	GALNTL2	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase-like 2	1.757884	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0541 10	GALNTL2	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase-like 2	2.434441	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1452 92	GALNTL5	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase-like 5	-1.189192	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1452 92	GALNTL5	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase-like 5	-0.763306	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1452 92	GALNTL5	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase-like 5	-0.585694	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1452 92	GALNTL5	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase-like 5	-0.359958	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1452 92	GALNTL5	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase-like 5	0.359958	Inlier
siRNA Disorazole DMSO Run3	NM_1452 92	GALNTL5	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase-like 5	0.469276	Inlier
siRNA Disorazole DMSO Run2	NM_1452 92	GALNTL5	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase-like 5	1.51965	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyl transferase-like 5

siRNA-Vinblastine Run1-DMSO	NM_1452 92	GALNTL5	e-like 5	1.72601	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0014 80	GALR1	receptor 1	-1.362805	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0014 80	GALR1	receptor 1	-0.519531	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0014 80	GALR1	receptor 1	-0.41952	Inlier
siRNA Disorazole DMSO Run2	NM_0014 80	GALR1	receptor 1	-0.236301	Inlier
siRNA Disorazole DMSO Run1	NM_0014 80	GALR1	receptor 1	0.2363	Inlier
siRNA Disorazole DMSO Run3	NM_0014 80	GALR1	receptor 1	0.829469	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0014 80	GALR1	receptor 1	1.133519	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0014 80	GALR1	receptor 1	1.430534	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0038 57	GALR2	receptor 2	-1.006858	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0038 57	GALR2	receptor 2	-0.782344	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0038 57	GALR2	receptor 2	-0.512239	Inlier
siRNA Disorazole DMSO Run2	NM_0038 57	GALR2	receptor 2	-0.041574	Inlier
siRNA Disorazole DMSO Run3	NM_0038 57	GALR2	receptor 2	0.041574	Inlier
siRNA Disorazole DMSO Run1	NM_0038 57	GALR2	receptor 2	0.566656	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0038 57	GALR2	receptor 2	1.216404	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0038 57	GALR2	receptor 2	1.917015	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0036 14	GALR3	receptor 3	-1.165894	Inlier
siRNA Disorazole DMSO Run2	NM_0036 14	GALR3	receptor 3	-0.589323	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0036 14	GALR3	receptor 3	-0.262285	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0036 14	GALR3	receptor 3	-0.223679	Inlier
siRNA Disorazole DMSO Run1	NM_0036 14	GALR3	receptor 3	0.223679	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_0036		galanin	
siRNA Disorazole DMSO Run3	14	GALR3	receptor 3	0.759677 Inlier
siRNA-Vinblastine Run2-	NM_0036		galanin	
DMSO	14	GALR3	receptor 3	1.440339 Inlier
siRNA-Vinblastine Run1-	NM_0036		galanin	
DMSO	14	GALR3	receptor 3	1.509846 Inlier
			galactose-	
			1-	
			phosphate	
siRNA-Temozolomide Run3-	NM_1471		uridylyltran	
DMSO	32	GALT	sferase	-1.008912 Inlier
			galactose-	
			1-	
			phosphate	
	NM_1471		uridylyltran	
siRNA Disorazole DMSO Run1	32	GALT	sferase	-0.581618 Inlier
			galactose-	
			1-	
			phosphate	
siRNA-Temozolomide Run1-	NM_1471		uridylyltran	
DMSO	32	GALT	sferase	-0.115404 Inlier
			galactose-	
			1-	
			phosphate	
	NM_1471		uridylyltran	
siRNA Disorazole DMSO Run3	32	GALT	sferase	-0.098578 Inlier
			galactose-	
			1-	
			phosphate	
siRNA-Vinblastine Run2-	NM_1471		uridylyltran	
DMSO	32	GALT	sferase	0.098578 Inlier
			galactose-	
			1-	
			phosphate	
siRNA-Temozolomide Run2-	NM_1471		uridylyltran	
DMSO	32	GALT	sferase	0.767382 Inlier
			galactose-	
			1-	
			phosphate	
siRNA-Vinblastine Run1-	NM_1471		uridylyltran	
DMSO	32	GALT	sferase	0.921357 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_1471 32	GALT	galactose-1-phosphate uridylyltransferase	1.017389	Inlier
siRNA Disorazole DMSO Run1	NM_0001 56	GAMT	guanidinoacetate N-methyltransferase	-1.295202	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0001 56	GAMT	guanidinoacetate N-methyltransferase	-0.698057	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0001 56	GAMT	guanidinoacetate N-methyltransferase	-0.650943	Inlier
siRNA Disorazole DMSO Run3	NM_0001 56	GAMT	guanidinoacetate N-methyltransferase	-0.286186	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0001 56	GAMT	guanidinoacetate N-methyltransferase	0.286186	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0001 56	GAMT	guanidinoacetate N-methyltransferase	0.575693	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0001 56	GAMT	guanidinoacetate N-methyltransferase	2.350659	Inlier
siRNA Disorazole DMSO Run2	NM_0001 56	GAMT	guanidinoacetate N-methyltransferase	3.525514	Outlier
siRNA-Temozolomide Run3-DMSO	NM_1983 34	GANAB	glucosidase, alpha; neutral AB	-1.208765	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1983 34	GANAB	glucosidase, alpha; neutral AB	-0.733366	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1983 34	GANAB	glucosidase, alpha; neutral AB	-0.615633	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1983 34	GANAB	glucosidas e, alpha; neutral AB	-0.052334	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1983 34	GANAB	glucosidas e, alpha; neutral AB	0.052332	Inlier
siRNA Disorazole DMSO Run3	NM_1983 34	GANAB	glucosidas e, alpha; neutral AB	0.510786	Inlier
siRNA Disorazole DMSO Run2	NM_1983 34	GANAB	glucosidas e, alpha; neutral AB	4.244536	Outlier
siRNA-Vinblastine Run1- DMSO	NM_1983 34	GANAB	glucosidas e, alpha; neutral AB	5.280899	Outlier
siRNA-Temozolomide Run3- DMSO	NM_1981 41	GANC	glucosidas e, alpha; neutral C	-0.987957	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1981 41	GANC	glucosidas e, alpha; neutral C	-0.932911	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1981 41	GANC	glucosidas e, alpha; neutral C	-0.085618	Inlier
siRNA Disorazole DMSO Run3	NM_1981 41	GANC	glucosidas e, alpha; neutral C	-0.036312	Inlier
siRNA Disorazole DMSO Run1	NM_1981 41	GANC	glucosidas e, alpha; neutral C	0.036312	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1981 41	GANC	glucosidas e, alpha; neutral C	0.416089	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1981 41	GANC	glucosidas e, alpha; neutral C	0.988674	Inlier
siRNA Disorazole DMSO Run2	NM_1981 41	GANC	glucosidas e, alpha; neutral C	1.164666	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0020 46	GAPD	glyceralde hyde-3- phosphate dehydroge nase	-1.609126	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0020 46	GAPD	glyceralde hyde-3- phosphate dehydroge nase	-1.352446	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0020 46	GAPD	glyceralde hyde-3- phosphate dehydroge nase	-1.205817	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0020 46	GAPD	glyceralde hyde-3- phosphate dehydroge nase	-0.099674	Inlier
siRNA Disorazole DMSO Run1	NM_0020 46	GAPD	glyceralde hyde-3- phosphate dehydroge nase	0.099674	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0020 46	GAPD	glyceralde hyde-3- phosphate dehydroge nase	0.477622	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0020 46	GAPD	glyceralde hyde-3- phosphate dehydroge nase	0.674349	Inlier
siRNA Disorazole DMSO Run3	NM_0020 46	GAPD	glyceralde hyde-3- phosphate dehydroge nase	0.674651	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0143 64	GAPDS	glyceralde hyde-3- phosphate dehydroge nase, spermatog enic	-2.045077	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0143 64	GAPDS	glyceralde hyde-3- phosphate dehydroge nase, spermatog enic	-0.863019 Inlier
siRNA Disorazole DMSO Run2	NM_0143 64	GAPDS	glyceralde hyde-3- phosphate dehydroge nase, spermatog enic	-0.151531 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0143 64	GAPDS	glyceralde hyde-3- phosphate dehydroge nase, spermatog enic	-0.084025 Inlier
siRNA Disorazole DMSO Run1	NM_0143 64	GAPDS	glyceralde hyde-3- phosphate dehydroge nase, spermatog enic	0.084025 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0143 64	GAPDS	glyceralde hyde-3- phosphate dehydroge nase, spermatog enic	0.485981 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0143 64	GAPDS	glyceralde hyde-3- phosphate dehydroge nase, spermatog enic	1.620034 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0143 64	GAPDS	glyceralde hyde-3- phosphate dehydroge nase, spermatog enic	2.32093	Inlier
siRNA Disorazole DMSO Run1	NM_0020 47	GARS	glycyl- tRNA synthetase	-0.733263	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0020 47	GARS	glycyl- tRNA synthetase	-0.615737	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0020 47	GARS	glycyl- tRNA synthetase	-0.525633	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0020 47	GARS	glycyl- tRNA synthetase	-0.200165	Inlier
siRNA Disorazole DMSO Run3	NM_0020 47	GARS	glycyl- tRNA synthetase	0.200165	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0020 47	GARS	glycyl- tRNA synthetase	0.768648	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0020 47	GARS	glycyl- tRNA synthetase	1.411261	Inlier
siRNA Disorazole DMSO Run2	NM_0020 47	GARS	glycyl- tRNA synthetase	1.784083	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_175085	GART	phosphoribosylglycinamide formyltransferase, phosphoribosylglycinamide synthetase, phosphoribosylaminimidazole synthetase	-2.131359	Inlier
siRNA Disorazole DMSO Run1	NM_175085	GART	phosphoribosylglycinamide formyltransferase, phosphoribosylglycinamide synthetase, phosphoribosylaminimidazole synthetase	-0.68501	Inlier
siRNA-Vinblastine Run2-DMSO	NM_175085	GART	phosphoribosylglycinamide formyltransferase, phosphoribosylglycinamide synthetase, phosphoribosylaminimidazole synthetase	-0.334084	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_175085	GART	phosphoribosylglycinamide formyltransferase, phosphoribosylglycinamide synthetase, phosphoribosylaminimidazole synthetase	-0.251152	Inlier
siRNA Disorazole DMSO Run3	NM_175085	GART	phosphoribosylglycinamide formyltransferase, phosphoribosylglycinamide synthetase, phosphoribosylaminimidazole synthetase	0.251152	Inlier
siRNA-Temozolomide Run1-DMSO	NM_175085	GART	phosphoribosylglycinamide formyltransferase, phosphoribosylglycinamide synthetase, phosphoribosylaminimidazole synthetase	0.66399	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_1750 85	GART	phosphori bosylglycin amide formyltran sferase, phosphori bosylglycin amide synthetase , phosphori bosylamin oimidazole synthetase	14.04803	Outlier
siRNA Disorazole DMSO Run2	NM_1750 85	GART	phosphori bosylglycin amide formyltran sferase, phosphori bosylglycin amide synthetase , phosphori bosylamin oimidazole synthetase	16.63868	Outlier
siRNA Disorazole DMSO Run2	NM_0008 20	GAS6	growth arrest- specific 6	-4.261928	Outlier
siRNA Disorazole DMSO Run1	NM_0008 20	GAS6	growth arrest- specific 6	-0.676865	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0008 20	GAS6	growth arrest- specific 6	-0.364417	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0008 20	GAS6	growth arrest- specific 6	-0.182858	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0008 20	GAS6	growth arrest- specific 6	0.182855	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0008 20	GAS6	growth arrest- specific 6	0.672135	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0008 20	GAS6	growth arrest- specific 6	1.10456	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0008 20	GAS6	growth arrest- specific 6	3.86471	Outlier
siRNA-Temozolomide Run2- DMSO	NM_0014 82	GATM	glycine amidinotra nsferase (L- arginine:gl ycine amidinotra nsferase)	-1.488945	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0014 82	GATM	glycine amidinotra nsferase (L- arginine:gl ycine amidinotra nsferase)	-1.076456	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0014 82	GATM	glycine amidinotra nsferase (L- arginine:gl ycine amidinotra nsferase)	-0.272544	Inlier
siRNA Disorazole DMSO Run1	NM_0014 82	GATM	glycine amidinotra nsferase (L- arginine:gl ycine amidinotra nsferase)	-0.185839	Inlier
siRNA Disorazole DMSO Run3	NM_0014 82	GATM	glycine amidinotra nsferase (L- arginine:gl ycine amidinotra nsferase)	0.18584	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_001482	GATM	glycine amidinotransferase (L-arginine:glycine amidinotransferase)	0.252705	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001482	GATM	glycine amidinotransferase (L-arginine:glycine amidinotransferase)	1.38053	Inlier
siRNA Disorazole DMSO Run2	NM_001482	GATM	glycine amidinotransferase (L-arginine:glycine amidinotransferase)	1.536908	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001005742	GBA	glucosidase, beta; acid (includes glucosylceramidase)	-1.753081	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001005742	GBA	glucosidase, beta; acid (includes glucosylceramidase)	-0.89974	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001005742	GBA	glucosidase, beta; acid (includes glucosylceramidase)	-0.449259	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0010 05742	GBA	glucosidase, beta; acid (includes glucosylceramidase)	-0.007752	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 05742	GBA	glucosidase, beta; acid (includes glucosylceramidase)	0.007752	Inlier
siRNA Disorazole DMSO Run3	NM_0010 05742	GBA	glucosidase, beta; acid (includes glucosylceramidase)	0.289381	Inlier
siRNA Disorazole DMSO Run2	NM_0010 05742	GBA	glucosidase, beta; acid (includes glucosylceramidase)	1.647321	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 05742	GBA	glucosidase, beta; acid (includes glucosylceramidase)	2.007663	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0209 44	GBA2	glucosidase, beta (bile acid) 2	-1.073593	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0209 44	GBA2	glucosidase, beta (bile acid) 2	-0.730667	Inlier
siRNA Disorazole DMSO Run1	NM_0209 44	GBA2	glucosidase, beta (bile acid) 2	-0.351122	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0209 44	GBA2	glucosidase, beta (bile acid) 2	-0.30902	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0209 44	GBA2	glucosidas e, beta (bile acid) 2	0.30902	Inlier
siRNA Disorazole DMSO Run3	NM_0209 44	GBA2	glucosidas e, beta (bile acid) 2	0.618333	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0209 44	GBA2	glucosidas e, beta (bile acid) 2	1.31085	Inlier
siRNA Disorazole DMSO Run2	NM_0209 44	GBA2	glucosidas e, beta (bile acid) 2	1.594561	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0209 73	GBA3	glucosidas e, beta, acid 3 (cytosolic)	-2.526213	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0209 73	GBA3	glucosidas e, beta, acid 3 (cytosolic)	-2.260226	Inlier
siRNA Disorazole DMSO Run3	NM_0209 73	GBA3	glucosidas e, beta, acid 3 (cytosolic)	-0.25604	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0209 73	GBA3	glucosidas e, beta, acid 3 (cytosolic)	-0.177351	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0209 73	GBA3	glucosidas e, beta, acid 3 (cytosolic)	0.177351	Inlier
siRNA Disorazole DMSO Run1	NM_0209 73	GBA3	glucosidas e, beta, acid 3 (cytosolic)	0.455877	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0209 73	GBA3	glucosidas e, beta, acid 3 (cytosolic)	0.893123	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0209 73	GBA3	glucosidase, beta, acid 3 (cytosolic)	1.410659	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0142 91	GCAT	glycine C-acetyltransferase (2-amino-3-ketobutyrate coenzyme A ligase)	-0.840469	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0142 91	GCAT	glycine C-acetyltransferase (2-amino-3-ketobutyrate coenzyme A ligase)	-0.703212	Inlier
siRNA Disorazole DMSO Run1	NM_0142 91	GCAT	glycine C-acetyltransferase (2-amino-3-ketobutyrate coenzyme A ligase)	-0.631175	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0142 91	GCAT	glycine C-acetyltransferase (2-amino-3-ketobutyrate coenzyme A ligase)	-0.430475	Inlier
siRNA Disorazole DMSO Run2	NM_0142 91	GCAT	glycine C-acetyltransferase (2-amino-3-ketobutyrate coenzyme A ligase)	0.430475	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0142 91	GCAT	glycine C- acetyltrans ferase (2- amino-3- ketobutyr ate coenzyme A ligase)	0.645788	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0142 91	GCAT	glycine C- acetyltrans ferase (2- amino-3- ketobutyr ate coenzyme A ligase)	0.730271	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0142 91	GCAT	glycine C- acetyltrans ferase (2- amino-3- ketobutyr ate coenzyme A ligase)	1.351842	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0139 76	GCDH	glutaryl- Coenzyme A dehydroge nase	-3.439355	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0139 76	GCDH	glutaryl- Coenzyme A dehydroge nase	-1.383237	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0139 76	GCDH	glutaryl- Coenzyme A dehydroge nase	-0.480765	Inlier
siRNA Disorazole DMSO Run1	NM_0139 76	GCDH	glutaryl- Coenzyme A dehydroge nase	-0.142106	Inlier
siRNA Disorazole DMSO Run3	NM_0139 76	GCDH	glutaryl- Coenzyme A dehydroge nase	0.142108	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0139 76	GCDH	glutaryl-Coenzyme A dehydrogenase	0.491871	Inlier
siRNA Disorazole DMSO Run2	NM_0139 76	GCDH	glutaryl-Coenzyme A dehydrogenase	0.857129	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0139 76	GCDH	glutaryl-Coenzyme A dehydrogenase	0.973866	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0001 60	GCGR	glucagon receptor	-1.785625	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0001 60	GCGR	glucagon receptor	-1.28475	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0001 60	GCGR	glucagon receptor	-0.420531	Inlier
siRNA Disorazole DMSO Run2	NM_0001 60	GCGR	glucagon receptor	-0.116727	Inlier
siRNA Disorazole DMSO Run3	NM_0001 60	GCGR	glucagon receptor	0.116726	Inlier
siRNA Disorazole DMSO Run1	NM_0001 60	GCGR	glucagon receptor	0.576334	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0001 60	GCGR	glucagon receptor	0.772665	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0001 60	GCGR	glucagon receptor	0.875094	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0001 61	GCH1	GTP cyclohydro lase 1 (dopa-responsive dystonia)	-1.351442	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0001 61	GCH1	GTP cyclohydro lase 1 (dopa-responsive dystonia)	-0.858809	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0001 61	GCH1	GTP cyclohydro lase 1 (dopa-responsive dystonia)	-0.318489	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0001 61	GCH1	GTP cyclohydro lase 1 (dopa- responsive dystonia)	-0.096914	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0001 61	GCH1	GTP cyclohydro lase 1 (dopa- responsive dystonia)	0.096913	Inlier
siRNA Disorazole DMSO Run1	NM_0001 61	GCH1	GTP cyclohydro lase 1 (dopa- responsive dystonia)	0.490191	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0001 61	GCH1	GTP cyclohydro lase 1 (dopa- responsive dystonia)	0.884789	Inlier
siRNA Disorazole DMSO Run2	NM_0001 61	GCH1	GTP cyclohydro lase 1 (dopa- responsive dystonia)	1.030409	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0052 58	GCHFR	GTP cyclohydro lase I feedback regulator	-0.731226	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0052 58	GCHFR	GTP cyclohydro lase I feedback regulator	-0.617774	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0052 58	GCHFR	GTP cyclohydro lase I feedback regulator	-0.529069	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Gene ID	Gene Name	Log Fold Change	Outlier Status
siRNA-Temozolomide Run2-DMSO	GCHFR	NM_005258	GTP cyclohydro lase I feedback regulator	-0.321138	Inlier
siRNA Disorazole DMSO Run3	GCHFR	NM_005258	GTP cyclohydro lase I feedback regulator	0.321138	Inlier
siRNA Disorazole DMSO Run1	GCHFR	NM_005258	GTP cyclohydro lase I feedback regulator	1.268124	Inlier
siRNA-Vinblastine Run1-DMSO	GCHFR	NM_005258	GTP cyclohydro lase I feedback regulator	2.240199	Inlier
siRNA Disorazole DMSO Run2	GCHFR	NM_005258	GTP cyclohydro lase I feedback regulator glucokinase (hexokinase 4, maturity onset diabetes of the young 2)	2.377079	Inlier
siRNA-Temozolomide Run3-DMSO	GCK	NM_033508	glucokinase (hexokinase 4, maturity onset diabetes of the young 2)	-2.19489	Inlier
siRNA Disorazole DMSO Run2	GCK	NM_033508	glucokinase (hexokinase 4, maturity onset diabetes of the young 2)	-0.872926	Inlier
siRNA-Temozolomide Run1-DMSO	GCK	NM_033508	glucokinase (hexokinase 4, maturity onset diabetes of the young 2)	-0.115765	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Log Fold Change	Outlier Status
siRNA Disorazole DMSO Run1	NM_033508	GCK	-0.018421	Inlier
siRNA-Temozolomide Run2-DMSO	NM_033508	GCK	0.018421	Inlier
siRNA-Vinblastine Run1-DMSO	NM_033508	GCK	0.476074	Inlier
siRNA Disorazole DMSO Run3	NM_033508	GCK	1.060502	Inlier
siRNA-Vinblastine Run2-DMSO	NM_033508	GCK	1.455248	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001486	GCKR	-0.826738	Inlier

glucokinase
 (hexokinase 4, maturity onset diabetes of the young 2)
 glucokinase
 (hexokinase 4, maturity onset diabetes of the young 2)
 glucokinase
 (hexokinase 4, maturity onset diabetes of the young 2)
 glucokinase
 (hexokinase 4, maturity onset diabetes of the young 2)
 glucokinase
 (hexokinase 4)
 regulator

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			glucokinase (hexokinase 4) regulator	
siRNA-Temozolomide Run1-DMSO	NM_0014 86	GCKR	glucokinase (hexokinase 4) regulator	-0.738851 Inlier
siRNA Disorazole DMSO Run2	NM_0014 86	GCKR	glucokinase (hexokinase 4) regulator	-0.506854 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0014 86	GCKR	glucokinase (hexokinase 4) regulator	-0.34157 Inlier
siRNA Disorazole DMSO Run1	NM_0014 86	GCKR	glucokinase (hexokinase 4) regulator	0.341571 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0014 86	GCKR	glucokinase (hexokinase 4) regulator	0.610149 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0014 86	GCKR	glucokinase (hexokinase 4) regulator	1.889168 Inlier
siRNA Disorazole DMSO Run3	NM_0014 86	GCKR	glutamate-cysteine ligase, catalytic subunit	3.039832 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0014 98	GCLC	glutamate-cysteine ligase, catalytic subunit	-1.309559 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0014 98	GCLC	glutamate-cysteine ligase, catalytic subunit	-0.925333 Inlier
siRNA Disorazole DMSO Run1	NM_0014 98	GCLC	glutamate-cysteine ligase, catalytic subunit	-0.423667 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0014 98	GCLC	glutamate- cysteine ligase, catalytic subunit	-0.120675	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0014 98	GCLC	glutamate- cysteine ligase, catalytic subunit	0.120674	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0014 98	GCLC	glutamate- cysteine ligase, catalytic subunit	0.254218	Inlier
siRNA Disorazole DMSO Run2	NM_0014 98	GCLC	glutamate- cysteine ligase, catalytic subunit	1.759699	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0014 98	GCLC	glutamate- cysteine ligase, catalytic subunit	2.301183	Inlier
siRNA Disorazole DMSO Run3	NM_0020 61	GCLM	glutamate- cysteine ligase, modifier subunit	-0.676658	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0020 61	GCLM	glutamate- cysteine ligase, modifier subunit	-0.672342	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0020 61	GCLM	glutamate- cysteine ligase, modifier subunit	-0.608686	Inlier
siRNA Disorazole DMSO Run1	NM_0020 61	GCLM	glutamate- cysteine ligase, modifier subunit	-0.309329	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0020 61	GCLM	glutamate- cysteine ligase, modifier subunit	0.309328	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0020 61	GCLM	glutamate-cysteine ligase, modifier subunit	0.699375	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0020 61	GCLM	glutamate-cysteine ligase, modifier subunit	0.888414	Inlier
siRNA Disorazole DMSO Run2	NM_0020 61	GCLM	glutamate-cysteine ligase, modifier subunit	1.109095	Inlier
siRNA Disorazole DMSO Run1	NM_0210 78	GCN5L2	GCN5 general control of amino-acid synthesis 5-like 2 (yeast)	-2.725679	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0210 78	GCN5L2	GCN5 general control of amino-acid synthesis 5-like 2 (yeast)	-0.57795	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0210 78	GCN5L2	GCN5 general control of amino-acid synthesis 5-like 2 (yeast)	-0.553432	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0210 78	GCN5L2	GCN5 general control of amino-acid synthesis 5-like 2 (yeast)	-0.16006	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Drug	Run	Gene	Accession	Gene Description	Score	Category
siRNA Disorazole	DMSO	Run3	GCN5L2	NM_021078	GCN5 general control of amino-acid synthesis 5-like 2 (yeast)	0.16006	Inlier
siRNA-Temozolomide	DMSO	Run3	GCN5L2	NM_021078	GCN5 general control of amino-acid synthesis 5-like 2 (yeast)	0.77105	Inlier
siRNA Disorazole	DMSO	Run2	GCN5L2	NM_021078	GCN5 general control of amino-acid synthesis 5-like 2 (yeast)	2.878626	Inlier
siRNA-Vinblastine	DMSO	Run1	GCN5L2	NM_021078	GCN5 general control of amino-acid synthesis 5-like 2 (yeast)	4.197134	Outlier
siRNA-Temozolomide	DMSO	Run2	GCNT1	NM_001490	glucosaminyl (N-acetyl) transferase 1, core 2 (beta-1,6-N-acetylglucosaminyltransferase)	-0.959592	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_001490	GCNT1	glucosaminyl (N-acetyl) transferase 1, core 2 (beta-1,6-N-acetylglucosaminyltransferase)	-0.821281	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001490	GCNT1	glucosaminyl (N-acetyl) transferase 1, core 2 (beta-1,6-N-acetylglucosaminyltransferase)	-0.661515	Inlier
siRNA Disorazole DMSO Run1	NM_001490	GCNT1	glucosaminyl (N-acetyl) transferase 1, core 2 (beta-1,6-N-acetylglucosaminyltransferase)	-0.184662	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001490	GCNT1	glucosaminyl (N-acetyl) transferase 1, core 2 (beta-1,6-N-acetylglucosaminyltransferase)	0.184661	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0014 90	GCNT1	glucosaminyl (N-acetyl) transferase 1, core 2 (beta-1,6-N-acetylglucosaminyltransferase)	0.405543	Inlier
siRNA Disorazole DMSO Run2	NM_0014 90	GCNT1	glucosaminyl (N-acetyl) transferase 1, core 2 (beta-1,6-N-acetylglucosaminyltransferase)	0.687485	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0014 90	GCNT1	glucosaminyl (N-acetyl) transferase 1, core 2 (beta-1,6-N-acetylglucosaminyltransferase)	1.32257	Inlier
siRNA Disorazole DMSO Run3	NM_0014 91	GCNT2	glucosaminyl (N-acetyl) transferase 2, I-branching enzyme	-0.858905	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0014 91	GCNT2	glucosaminyl (N-acetyl) transferase 2, I-branching enzyme	-0.544259	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0014 91	GCNT2	glucosaminyl (N-acetyl) transferase 2, I-branching enzyme	-0.519211	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0014 91	GCNT2	glucosaminyl (N-acetyl) transferase 2, I-branching enzyme	-0.331353	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0014 91	GCNT2	glucosaminyl (N-acetyl) transferase 2, I-branching enzyme	0.331353	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0014 91	GCNT2	glucosaminyl (N-acetyl) transferase 2, I-branching enzyme	0.804741	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0014 91	GCNT2	glucosaminyl (N-acetyl) transferase 2, I-branching enzyme	4.399483	Outlier
siRNA Disorazole DMSO Run2	NM_0014 91	GCNT2	glucosaminyl (N-acetyl) transferase 2, I-branching enzyme	5.089423	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0047 51	GCNT3	glucosaminyl (N-acetyl) transferase 3, mucin type	-1.201783	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0047 51	GCNT3	glucosaminyl (N-acetyl) transferase 3, mucin type	-0.689039	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0047 51	GCNT3	glucosaminyl (N-acetyl) transferase 3, mucin type	-0.659961	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0047 51	GCNT3	glucosaminyl (N-acetyl) transferase 3, mucin type	-0.115714	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0047 51	GCNT3	glucosaminyl (N-acetyl) transferase 3, mucin type	0.115714	Inlier
siRNA Disorazole DMSO Run1	NM_0047 51	GCNT3	glucosaminyl (N-acetyl) transferase 3, mucin type	0.157268	Inlier
siRNA Disorazole DMSO Run2	NM_0047 51	GCNT3	glucosaminyl (N-acetyl) transferase 3, mucin type	4.27228	Outlier
siRNA-Vinblastine Run1-DMSO	NM_0047 51	GCNT3	glucosaminyl (N-acetyl) transferase 3, mucin type	4.700145	Outlier
siRNA-Vinblastine Run2-DMSO	NM_0063 02	GCS1	GCS1	-0.680526	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA-Temozolomide Run2-DMSO	NM_006302	GCS1	GCS1	-0.668474	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006302	GCS1	GCS1	-0.56835	Inlier
siRNA Disorazole DMSO Run3	NM_006302	GCS1	GCS1	-0.077768	Inlier
siRNA Disorazole DMSO Run1	NM_006302	GCS1	GCS1	0.077768	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006302	GCS1	GCS1	1.681122	Inlier
siRNA Disorazole DMSO Run2	NM_006302	GCS1	GCS1	3.535314	Outlier
siRNA-Vinblastine Run1-DMSO	NM_006302	GCS1	GCS1	4.219269	Outlier
siRNA-Temozolomide Run2-DMSO	NM_004293	GDA	guanine deaminase	-3.290163	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004293	GDA	guanine deaminase	-3.117082	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004293	GDA	guanine deaminase	-2.043349	Inlier
siRNA Disorazole DMSO Run3	NM_004293	GDA	guanine deaminase	-0.038341	Inlier
siRNA Disorazole DMSO Run1	NM_004293	GDA	guanine deaminase	0.038343	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004293	GDA	guanine deaminase	0.093842	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004293	GDA	guanine deaminase	0.274756	Inlier
siRNA Disorazole DMSO Run2	NM_004293	GDA	guanine deaminase	1.074244	Inlier
siRNA Disorazole DMSO Run3	NM_017686	GDAP2	ganglioside induced differentiation associated protein 2	-0.816451	Inlier
siRNA-Temozolomide Run3-DMSO	NM_017686	GDAP2	ganglioside induced differentiation associated protein 2	-0.743451	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_017686	GDAP2	ganglioside induced differentiation associated protein 2	-0.605549	Inlier
siRNA-Temozolomide Run2-DMSO	NM_017686	GDAP2	ganglioside induced differentiation associated protein 2	-0.183882	Inlier
siRNA Disorazole DMSO Run1	NM_017686	GDAP2	ganglioside induced differentiation associated protein 2	0.183882	Inlier
siRNA-Temozolomide Run1-DMSO	NM_017686	GDAP2	ganglioside induced differentiation associated protein 2	0.585168	Inlier
siRNA-Vinblastine Run1-DMSO	NM_017686	GDAP2	ganglioside induced differentiation associated protein 2	1.506629	Inlier
siRNA Disorazole DMSO Run2	NM_017686	GDAP2	ganglioside induced differentiation associated protein 2	1.608663	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001493	GDI1	GDP dissociation inhibitor 1	-1.245825	Inlier
siRNA Disorazole DMSO Run1	NM_001493	GDI1	GDP dissociation inhibitor 1	-0.766396	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0014 93	GDI1	GDP dissociation inhibitor 1	-0.575366	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0014 93	GDI1	GDP dissociation inhibitor 1	-0.454017	Inlier
siRNA Disorazole DMSO Run3	NM_0014 93	GDI1	GDP dissociation inhibitor 1	0.454017	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0014 93	GDI1	GDP dissociation inhibitor 1	0.582604	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0014 93	GDI1	GDP dissociation inhibitor 1	1.278021	Inlier
siRNA Disorazole DMSO Run2	NM_0014 93	GDI1	GDP dissociation inhibitor 1	1.975721	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0014 94	GDI2	GDP dissociation inhibitor 2	-1.92362	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0014 94	GDI2	GDP dissociation inhibitor 2	-0.640811	Inlier
siRNA Disorazole DMSO Run1	NM_0014 94	GDI2	GDP dissociation inhibitor 2	-0.260482	Inlier
siRNA Disorazole DMSO Run3	NM_0014 94	GDI2	GDP dissociation inhibitor 2	-0.022629	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0014 94	GDI2	GDP dissociation inhibitor 2	0.022629	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0014 94	GDI2	GDP dissociation inhibitor 2	0.708189	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0014 94	GDI2	GDP dissociation inhibitor 2	1.602776	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Condition	Run	Gene	Protein	Score	Outlier
siRNA Disorazole	DMSO	Run2	NM_001494	GDI2	2.549589	Inlier
siRNA-Temozolomide	Run3-DMSO	Run3	NM_017711	GDPD2	-0.888025	Inlier
siRNA-Temozolomide	Run1-DMSO	Run1	NM_017711	GDPD2	-0.587049	Inlier
siRNA Disorazole	DMSO	Run1	NM_017711	GDPD2	-0.374093	Inlier
siRNA-Temozolomide	Run2-DMSO	Run2	NM_017711	GDPD2	-0.064815	Inlier
siRNA-Vinblastine	Run1-DMSO	Run1	NM_017711	GDPD2	0.064815	Inlier
siRNA-Vinblastine	Run2-DMSO	Run2	NM_017711	GDPD2	0.761951	Inlier

GDP dissociation inhibitor

glycerophosphodiesterase domain containing

glycerophosphodiesterase domain containing

glycerophosphodiesterase domain containing

glycerophosphodiesterase domain containing

glycerophosphodiesterase domain containing

glycerophosphodiesterase domain containing

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0177 11	GDPD2	glycerophosphodiesterase domain containing 2	0.829675	Inlier
siRNA Disorazole DMSO Run2	NM_0177 11	GDPD2	glycerophosphodiesterase domain containing 2	1.059809	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1817 02	GEM	GTP binding protein overexpressed in skeletal muscle	-1.255744	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1817 02	GEM	GTP binding protein overexpressed in skeletal muscle	-0.675407	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1817 02	GEM	GTP binding protein overexpressed in skeletal muscle	-0.405271	Inlier
siRNA Disorazole DMSO Run3	NM_1817 02	GEM	GTP binding protein overexpressed in skeletal muscle	-0.009545	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1817 02	GEM	GTP binding protein overexpressed in skeletal muscle	0.009545	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1817 02	GEM	GTP binding protein overexpressed in skeletal muscle	0.673593	Inlier
siRNA Disorazole DMSO Run2	NM_1817 02	GEM	GTP binding protein overexpressed in skeletal muscle	1.63116	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1817 02	GEM	GTP binding protein overexpressed in skeletal muscle	1.643097	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0189 88	GFOD1	glucose-fructose oxidoreductase domain containing 1	-0.889697	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0189 88	GFOD1	glucose-fructose oxidoreductase domain containing 1	-0.459303	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0189 88	GFOD1	glucose-fructose oxidoreductase domain containing 1	-0.451364	Inlier
siRNA Disorazole DMSO Run3	NM_0189 88	GFOD1	glucose-fructose oxidoreductase domain containing 1	-0.236101	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0189 88	GFOD1	glucose-fructose oxidoreductase domain containing 1	0.2361	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0189 88	GFOD1	glucose-fructose oxidoreductase domain containing 1	1.186173	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0189 88	GFOD1	glucose-fructose oxidoreductase domain containing 1	1.212163	Inlier
siRNA Disorazole DMSO Run2	NM_0189 88	GFOD1	glucose-fructose oxidoreductase domain containing 1	1.753341	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0020 56	GFPT1	glutamine-fructose-6-phosphate transaminase 1	-0.720015	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0020 56	GFPT1	glutamine-fructose-6-phosphate transaminase 1	-0.628985	Inlier
siRNA Disorazole DMSO Run1	NM_0020 56	GFPT1	glutamine-fructose-6-phosphate transaminase 1	-0.480413	Inlier
siRNA Disorazole DMSO Run3	NM_0020 56	GFPT1	glutamine-fructose-6-phosphate transaminase 1	-0.446515	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_002056	GFPT1	glutamine-fructose-6-phosphate transaminase 1	0.446515	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002056	GFPT1	glutamine-fructose-6-phosphate transaminase 1	0.725205	Inlier
siRNA Disorazole DMSO Run2	NM_002056	GFPT1	glutamine-fructose-6-phosphate transaminase 1	1.141946	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002056	GFPT1	glutamine-fructose-6-phosphate transaminase 1	2.845189	Inlier
siRNA Disorazole DMSO Run1	NM_005110	GFPT2	glutamine-fructose-6-phosphate transaminase 2	-1.68769	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005110	GFPT2	glutamine-fructose-6-phosphate transaminase 2	-0.857543	Inlier
siRNA Disorazole DMSO Run3	NM_005110	GFPT2	glutamine-fructose-6-phosphate transaminase 2	-0.491457	Inlier
siRNA Disorazole DMSO Run2	NM_005110	GFPT2	glutamine-fructose-6-phosphate transaminase 2	-0.413944	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0051 10	GFPT2	glutamine-fructose-6-phosphate transaminase 2	0.413943 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0051 10	GFPT2	glutamine-fructose-6-phosphate transaminase 2	0.422941 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0051 10	GFPT2	glutamine-fructose-6-phosphate transaminase 2	1.017555 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0051 10	GFPT2	glutamine-fructose-6-phosphate transaminase 2	3.839047 Outlier
siRNA-Temozolomide Run3-DMSO	NM_1457 93	GFRA1	GDNF family receptor alpha 1	-1.408845 Inlier
siRNA-Temozolomide Run2-DMSO	NM_1457 93	GFRA1	GDNF family receptor alpha 1	-0.844017 Inlier
siRNA-Vinblastine Run2-DMSO	NM_1457 93	GFRA1	GDNF family receptor alpha 1	-0.504983 Inlier
siRNA-Temozolomide Run1-DMSO	NM_1457 93	GFRA1	GDNF family receptor alpha 1	-0.140602 Inlier
siRNA Disorazole DMSO Run1	NM_1457 93	GFRA1	GDNF family receptor alpha 1	0.140601 Inlier
siRNA Disorazole DMSO Run3	NM_1457 93	GFRA1	GDNF family receptor alpha 1	0.409993 Inlier
siRNA-Vinblastine Run1-DMSO	NM_1457 93	GFRA1	GDNF family receptor alpha 1	2.532399 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Target	Family	Value	Outlier
siRNA Disorazole DMSO Run2	NM_1457	93	GFRA1	GDNF receptor alpha 1	3.442716	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0014	95	GFRA2	GDNF receptor alpha 2	-0.903967	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0014	95	GFRA2	GDNF receptor alpha 2	-0.445033	Inlier
siRNA Disorazole DMSO Run1	NM_0014	95	GFRA2	GDNF receptor alpha 2	-0.194007	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0014	95	GFRA2	GDNF receptor alpha 2	-0.017421	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0014	95	GFRA2	GDNF receptor alpha 2	0.01742	Inlier
siRNA Disorazole DMSO Run3	NM_0014	95	GFRA2	GDNF receptor alpha 2	2.050004	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0014	95	GFRA2	GDNF receptor alpha 2	2.199774	Inlier
siRNA Disorazole DMSO Run2	NM_0014	95	GFRA2	GDNF receptor alpha 2	2.489216	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0014	96	GFRA3	GDNF receptor alpha 3	-1.288851	Inlier
siRNA Disorazole DMSO Run3	NM_0014	96	GFRA3	GDNF receptor alpha 3	-0.705364	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0014	96	GFRA3	GDNF receptor alpha 3	-0.643636	Inlier
siRNA Disorazole DMSO Run1	NM_0014	96	GFRA3	GDNF receptor alpha 3	-0.358366	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Family	Value	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_001496	GFRA3	GDNF family receptor alpha 3	0.358365	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001496	GFRA3	GDNF family receptor alpha 3	0.452427	Inlier
siRNA Disorazole DMSO Run2	NM_001496	GFRA3	GDNF family receptor alpha 3	1.375217	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001496	GFRA3	GDNF family receptor alpha 3	3.010569	Inlier
siRNA-Temozolomide Run3-DMSO	NM_145763	GFRA4	GDNF family receptor alpha 4	-2.302713	Inlier
siRNA-Temozolomide Run2-DMSO	NM_145763	GFRA4	GDNF family receptor alpha 4	-0.92202	Inlier
siRNA Disorazole DMSO Run1	NM_145763	GFRA4	GDNF family receptor alpha 4	-0.379037	Inlier
siRNA Disorazole DMSO Run3	NM_145763	GFRA4	GDNF family receptor alpha 4	-0.212666	Inlier
siRNA-Temozolomide Run1-DMSO	NM_145763	GFRA4	GDNF family receptor alpha 4	0.212667	Inlier
siRNA-Vinblastine Run2-DMSO	NM_145763	GFRA4	GDNF family receptor alpha 4	0.42698	Inlier
siRNA-Vinblastine Run1-DMSO	NM_145763	GFRA4	GDNF family receptor alpha 4	2.994414	Inlier
siRNA Disorazole DMSO Run2	NM_145763	GFRA4	GDNF family receptor alpha 4	4.041918	Outlier
siRNA-Temozolomide Run3-DMSO	NM_000821	GGCX	gamma-glutamyl carboxylase	-0.909791	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0008 21	GGCX	gamma-glutamyl carboxylase	-0.43921	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0008 21	GGCX	gamma-glutamyl carboxylase	-0.252181	Inlier
siRNA Disorazole DMSO Run3	NM_0008 21	GGCX	gamma-glutamyl carboxylase	-0.112442	Inlier
siRNA Disorazole DMSO Run1	NM_0008 21	GGCX	gamma-glutamyl carboxylase	0.112442	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0008 21	GGCX	gamma-glutamyl carboxylase	1.155324	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0008 21	GGCX	gamma-glutamyl carboxylase	3.779191	Outlier
siRNA Disorazole DMSO Run2	NM_0008 21	GGCX	gamma-glutamyl carboxylase	5.384613	Outlier
siRNA Disorazole DMSO Run1	NM_0038 78	GGH	gamma-glutamyl hydrolase (conjugase, foylpolygammaglutamyl hydrolase)	-0.985823	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0038 78	GGH	gamma-glutamyl hydrolase (conjugase, foylpolygammaglutamyl hydrolase)	-0.736657	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0038 78	GGH	gamma-glutamyl hydrolase (conjugase, foylpolygammaglutamyl hydrolase)	-0.356483	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0038 78	GGH	gamma-glutamyl hydrolase (conjugase, foylpolygammaglutamyl hydrolase)	-0.337454	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0038 78	GGH	gamma-glutamyl hydrolase (conjugase, foylpolygammaglutamyl hydrolase)	0.337454	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0038 78	GGH	gamma-glutamyl hydrolase (conjugase, foylpolygammaglutamyl hydrolase)	0.612343	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0038 78	GGH	gamma-glutamyl hydrolase (conjugase, foylpolygammaglutamyl hydrolase)	0.862287	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0038 78	GGH	gamma-glutamyl hydrolase (conjugase, foylpolymaglutamyl hydrolase)	1.414231	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0048 37	GGPS1	geranylgeranyl diphosphate synthase 1	-1.709684	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0048 37	GGPS1	geranylgeranyl diphosphate synthase 1	-1.263046	Inlier
siRNA Disorazole DMSO Run1	NM_0048 37	GGPS1	geranylgeranyl diphosphate synthase 1	-0.343767	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0048 37	GGPS1	geranylgeranyl diphosphate synthase 1	-0.249185	Inlier
siRNA Disorazole DMSO Run3	NM_0048 37	GGPS1	geranylgeranyl diphosphate synthase 1	0.249186	Inlier
siRNA Disorazole DMSO Run2	NM_0048 37	GGPS1	geranylgeranyl diphosphate synthase 1	0.432252	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0048 37	GGPS1	geranylgeranyl diphosphate synthase 1	0.916748	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_004837	GGPS1	geranylgeranyl diphosphate synthase 1	2.129918	Inlier
siRNA-Temozolomide Run2-DMSO	NM_013430	GGT1	gamma-glutamyltransferase 1	-0.895193	Inlier
siRNA-Temozolomide Run3-DMSO	NM_013430	GGT1	gamma-glutamyltransferase 1	-0.579846	Inlier
siRNA Disorazole DMSO Run1	NM_013430	GGT1	gamma-glutamyltransferase 1	-0.458396	Inlier
siRNA-Temozolomide Run1-DMSO	NM_013430	GGT1	gamma-glutamyltransferase 1	-0.123607	Inlier
siRNA-Vinblastine Run2-DMSO	NM_013430	GGT1	gamma-glutamyltransferase 1	0.123607	Inlier
siRNA-Vinblastine Run1-DMSO	NM_013430	GGT1	gamma-glutamyltransferase 1	0.769154	Inlier
siRNA Disorazole DMSO Run2	NM_013430	GGT1	gamma-glutamyltransferase 1	1.311186	Inlier
siRNA Disorazole DMSO Run3	NM_013430	GGT1	gamma-glutamyltransferase 1	1.33454	Inlier
siRNA Disorazole DMSO Run1	XM_371427	GGT2	gamma-glutamyltransferase 2	-1.912539	Inlier
siRNA-Temozolomide Run1-DMSO	XM_371427	GGT2	gamma-glutamyltransferase 2	-1.393428	Inlier
siRNA-Temozolomide Run2-DMSO	XM_371427	GGT2	gamma-glutamyltransferase 2	-1.310614	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	XM_37142 7	GGT2	gamma-glutamyltransferase 2	-0.186387	Inlier
siRNA-Vinblastine Run2-DMSO	XM_37142 7	GGT2	gamma-glutamyltransferase 2	0.186386	Inlier
siRNA-Temozolomide Run3-DMSO	XM_37142 7	GGT2	gamma-glutamyltransferase 2	0.557373	Inlier
siRNA-Vinblastine Run1-DMSO	XM_37142 7	GGT2	gamma-glutamyltransferase 2	0.600603	Inlier
siRNA Disorazole DMSO Run2	XM_37142 7	GGT2	gamma-glutamyltransferase 2	0.748397	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0528 30	GGTL3	gamma-glutamyltransferase-like 3	-1.337965	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0528 30	GGTL3	gamma-glutamyltransferase-like 3	-0.747794	Inlier
siRNA Disorazole DMSO Run2	NM_0528 30	GGTL3	gamma-glutamyltransferase-like 3	-0.229947	Inlier
siRNA Disorazole DMSO Run1	NM_0528 30	GGTL3	gamma-glutamyltransferase-like 3	-0.04319	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0528 30	GGTL3	gamma-glutamyltransferase-like 3	0.04319	Inlier
siRNA Disorazole DMSO Run3	NM_0528 30	GGTL3	gamma-glutamyltransferase-like 3	0.601206	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0528 30	GGTL3	gamma-glutamyltransferase-like 3	0.930206	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0528 30	GGTL3	gamma-glutamyltransferase-like 3	1.416658	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0808 39	GGTL4	gamma-glutamyltransferase-like 4	-1.45591	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0808 39	GGTL4	gamma-glutamyltransferase-like 4	-1.027712	Inlier
siRNA Disorazole DMSO Run2	NM_0808 39	GGTL4	gamma-glutamyltransferase-like 4	-0.167129	Inlier
siRNA Disorazole DMSO Run1	NM_0808 39	GGTL4	gamma-glutamyltransferase-like 4	-0.069751	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0808 39	GGTL4	gamma-glutamyltransferase-like 4	0.069751	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0808 39	GGTL4	gamma-glutamyltransferase-like 4	0.580271	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0808 39	GGTL4	gamma-glutamyltransferase-like 4	0.768729	Inlier
siRNA Disorazole DMSO Run3	NM_0808 39	GGTL4	gamma-glutamyltransferase-like 4	0.908176	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0041 21	GGTLA1	gamma-glutamyltransferase-like activity 1	-1.196936	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0041 21	GGTLA1	gamma-glutamyltransferase-like activity 1	-0.71768	Inlier
siRNA Disorazole DMSO Run1	NM_0041 21	GGTLA1	gamma-glutamyltransferase-like activity 1	-0.63132	Inlier
siRNA Disorazole DMSO Run2	NM_0041 21	GGTLA1	gamma-glutamyltransferase-like activity 1	-0.069665	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Activity	Value	Outlier Status
siRNA-Vinblastine Run2-DMSO	NM_004121	GGTLA1	gamma-glutamyltransferase-like activity 1	0.069664	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004121	GGTLA1	gamma-glutamyltransferase-like activity 1	0.560486	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004121	GGTLA1	gamma-glutamyltransferase-like activity 1	1.328282	Inlier
siRNA Disorazole DMSO Run3	NM_004121	GGTLA1	gamma-glutamyltransferase-like activity 1	2.530609	Inlier
siRNA-Temozolomide Run3-DMSO	NM_178311	GGTLA4	gamma-glutamyltransferase-like activity 4	-1.41986	Inlier
siRNA-Temozolomide Run2-DMSO	NM_178311	GGTLA4	gamma-glutamyltransferase-like activity 4	-1.403993	Inlier
siRNA-Temozolomide Run1-DMSO	NM_178311	GGTLA4	gamma-glutamyltransferase-like activity 4	-0.579327	Inlier
siRNA Disorazole DMSO Run1	NM_178311	GGTLA4	gamma-glutamyltransferase-like activity 4	-0.216228	Inlier
siRNA Disorazole DMSO Run2	NM_178311	GGTLA4	gamma-glutamyltransferase-like activity 4	0.216229	Inlier
siRNA-Vinblastine Run2-DMSO	NM_178311	GGTLA4	gamma-glutamyltransferase-like activity 4	0.262584	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Value	Category
siRNA-Vinblastine Run1-DMSO	NM_178311	GGTLA4	4	0.769673 Inlier
siRNA Disorazole DMSO Run3	NM_178311	GGTLA4	4	0.957707 Inlier
siRNA Disorazole DMSO Run1	NM_000163	GHR	4	-1.892229 Inlier
siRNA-Temozolomide Run1-DMSO	NM_000163	GHR	4	-0.835516 Inlier
siRNA-Temozolomide Run2-DMSO	NM_000163	GHR	4	-0.513484 Inlier
siRNA-Vinblastine Run2-DMSO	NM_000163	GHR	4	-0.139831 Inlier
siRNA Disorazole DMSO Run3	NM_000163	GHR	4	0.139831 Inlier
siRNA-Temozolomide Run3-DMSO	NM_000163	GHR	4	0.283423 Inlier
siRNA-Vinblastine Run1-DMSO	NM_000163	GHR	4	2.020803 Inlier
siRNA Disorazole DMSO Run2	NM_000163	GHR	4	3.567796 Outlier
siRNA-Temozolomide Run3-DMSO	NM_001009824	GHRHR	4	-3.729492 Outlier
siRNA Disorazole DMSO Run2	NM_001009824	GHRHR	4	-0.79905 Inlier
siRNA-Temozolomide Run2-DMSO	NM_001009824	GHRHR	4	-0.52766 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0010 09824	GHRHR	growth hormone releasing hormone receptor	-0.029223	Inlier
siRNA Disorazole DMSO Run3	NM_0010 09824	GHRHR	growth hormone releasing hormone receptor	0.029223	Inlier
siRNA Disorazole DMSO Run1	NM_0010 09824	GHRHR	growth hormone releasing hormone receptor	0.54995	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 09824	GHRHR	growth hormone releasing hormone receptor	2.149181	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 09824	GHRHR	growth hormone releasing hormone receptor	2.23058	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1984 07	GHSR	growth hormone secretagogue receptor	-0.756874	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1984 07	GHSR	growth hormone secretagogue receptor	-0.67453	Inlier
siRNA Disorazole DMSO Run2	NM_1984 07	GHSR	growth hormone secretagogue receptor	-0.67447	Inlier
siRNA Disorazole DMSO Run3	NM_1984 07	GHSR	growth hormone secretagogue receptor	-0.282466	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1984 07	GHSR	growth hormone secretagogue receptor	0.282465	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Value	Outlier Status
siRNA Disorazole DMSO Run1	NM_198407	GHSR	growth hormone secretagogue receptor	0.661789	Inlier
siRNA-Vinblastine Run2-DMSO	NM_198407	GHSR	growth hormone secretagogue receptor	1.552503	Inlier
siRNA-Vinblastine Run1-DMSO	NM_198407	GHSR	growth hormone secretagogue receptor	2.115117	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000164	GIPR	gastric inhibitory polypeptide receptor	-1.2148	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000164	GIPR	gastric inhibitory polypeptide receptor	-0.935724	Inlier
siRNA Disorazole DMSO Run3	NM_000164	GIPR	gastric inhibitory polypeptide receptor	-0.686843	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000164	GIPR	gastric inhibitory polypeptide receptor	-0.235428	Inlier
siRNA Disorazole DMSO Run2	NM_000164	GIPR	gastric inhibitory polypeptide receptor	0.235428	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000164	GIPR	gastric inhibitory polypeptide receptor	0.640926	Inlier
siRNA Disorazole DMSO Run1	NM_000164	GIPR	gastric inhibitory polypeptide receptor	0.662157	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000164	GIPR	gastric inhibitory polypeptide receptor	0.808976	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Cell Line	Gene	Value	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_014030	GIT1	G protein-coupled receptor kinase interactor 1	-0.922724	Inlier
siRNA Disorazole DMSO Run2	NM_014030	GIT1	G protein-coupled receptor kinase interactor 1	-0.678974	Inlier
siRNA Disorazole DMSO Run3	NM_014030	GIT1	G protein-coupled receptor kinase interactor 1	-0.670026	Inlier
siRNA-Temozolomide Run2-DMSO	NM_014030	GIT1	G protein-coupled receptor kinase interactor 1	-0.285585	Inlier
siRNA-Temozolomide Run1-DMSO	NM_014030	GIT1	G protein-coupled receptor kinase interactor 1	0.285585	Inlier
siRNA Disorazole DMSO Run1	NM_014030	GIT1	G protein-coupled receptor kinase interactor 1	0.429341	Inlier
siRNA-Vinblastine Run2-DMSO	NM_014030	GIT1	G protein-coupled receptor kinase interactor 1	0.928153	Inlier
siRNA-Vinblastine Run1-DMSO	NM_014030	GIT1	G protein-coupled receptor kinase interactor 1	0.997282	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0571 70	GIT2	G protein-coupled receptor kinase interactor 2	-2.660418	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0571 70	GIT2	G protein-coupled receptor kinase interactor 2	-0.861478	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0571 70	GIT2	G protein-coupled receptor kinase interactor 2	-0.581114	Inlier
siRNA Disorazole DMSO Run2	NM_0571 70	GIT2	G protein-coupled receptor kinase interactor 2	-0.056918	Inlier
siRNA Disorazole DMSO Run1	NM_0571 70	GIT2	G protein-coupled receptor kinase interactor 2	0.056918	Inlier
siRNA Disorazole DMSO Run3	NM_0571 70	GIT2	G protein-coupled receptor kinase interactor 2	0.649364	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0571 70	GIT2	G protein-coupled receptor kinase interactor 2	0.699636	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0571 70	GIT2	G protein-coupled receptor kinase interactor 2	0.839626	Inlier
siRNA-Temozolomide Run3-DMSO	NM_2033 91	GK	glycerol kinase	-1.187842	Inlier
siRNA Disorazole DMSO Run2	NM_2033 91	GK	glycerol kinase	-1.018726	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA-Temozolomide Run2-DMSO	NM_2033 91	GK	glycerol kinase	-0.365678	Inlier
siRNA-Temozolomide Run1-DMSO	NM_2033 91	GK	glycerol kinase	-0.321802	Inlier
siRNA Disorazole DMSO Run1	NM_2033 91	GK	glycerol kinase	0.321802	Inlier
siRNA-Vinblastine Run1-DMSO	NM_2033 91	GK	glycerol kinase	0.645794	Inlier
siRNA-Vinblastine Run2-DMSO	NM_2033 91	GK	glycerol kinase	0.703206	Inlier
siRNA Disorazole DMSO Run3	NM_2033 91	GK	glycerol kinase	1.060078	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0332 14	GK2	glycerol kinase 2	-2.448657	Inlier
siRNA Disorazole DMSO Run2	NM_0332 14	GK2	glycerol kinase 2	-0.814538	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0332 14	GK2	glycerol kinase 2	-0.534462	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0332 14	GK2	glycerol kinase 2	-0.205059	Inlier
siRNA Disorazole DMSO Run1	NM_0332 14	GK2	glycerol kinase 2	0.205059	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0332 14	GK2	glycerol kinase 2	0.474717	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0332 14	GK2	glycerol kinase 2	2.183182	Inlier
siRNA Disorazole DMSO Run3	NM_0332 14	GK2	glycerol kinase 2	3.832396	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0252 11	GKAP1	G kinase anchoring protein 1	-2.161602	Inlier
siRNA Disorazole DMSO Run1	NM_0252 11	GKAP1	G kinase anchoring protein 1	-1.170423	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0252 11	GKAP1	G kinase anchoring protein 1	-0.178577	Inlier
siRNA Disorazole DMSO Run3	NM_0252 11	GKAP1	G kinase anchoring protein 1	-0.013474	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0252 11	GKAP1	G kinase anchoring protein 1	0.013473	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0252 11	GKAP1	G kinase anchoring protein 1	0.030665	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0252 11	GKAP1	G kinase anchoring protein 1	1.60925	Inlier
siRNA Disorazole DMSO Run2	NM_0252 11	GKAP1	G kinase anchoring protein 1	2.241193	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0001 69	GLA	galactosidase, alpha	-0.84119	Inlier
siRNA Disorazole DMSO Run3	NM_0001 69	GLA	galactosidase, alpha	-0.690905	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0001 69	GLA	galactosidase, alpha	-0.552653	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0001 69	GLA	galactosidase, alpha	-0.538407	Inlier
siRNA Disorazole DMSO Run1	NM_0001 69	GLA	galactosidase, alpha	0.538407	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0001 69	GLA	galactosidase, alpha	0.658095	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0001 69	GLA	galactosidase, alpha	3.30357	Inlier
siRNA Disorazole DMSO Run2	NM_0001 69	GLA	galactosidase, alpha	3.482457	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0004 04	GLB1	galactosidase, beta 1	-0.980333	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0004 04	GLB1	galactosidase, beta 1	-0.948581	Inlier
siRNA Disorazole DMSO Run3	NM_0004 04	GLB1	galactosidase, beta 1	-0.0475	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0004 04	GLB1	galactosidase, beta 1	-0.042119	Inlier
siRNA Disorazole DMSO Run1	NM_0004 04	GLB1	galactosidase, beta 1	0.042119	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0004 04	GLB1	galactosidase, beta 1	0.400419	Inlier
siRNA Disorazole DMSO Run2	NM_0004 04	GLB1	galactosidase, beta 1	1.115915	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0004 04	GLB1	galactosidase, beta 1	1.284543	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0155 54	GLCE	GLCE	-0.906944	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0155 54	GLCE	GLCE	-0.802198	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA-Temozolomide Run1- DMSO	NM_0155 54	GLCE	GLCE	-0.621201	Inlier
siRNA Disorazole DMSO Run1	NM_0155 54	GLCE	GLCE	-0.134369	Inlier
siRNA Disorazole DMSO Run3	NM_0155 54	GLCE	GLCE	0.134369	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0155 54	GLCE	GLCE	0.192895	Inlier
siRNA Disorazole DMSO Run2	NM_0155 54	GLCE	GLCE	0.727799	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0155 54	GLCE	GLCE	0.73709	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0001 70	GLDC	glycine dehydroge nase (decarbox ylating; glycine decarboxyl ase, glycine cleavage system protein P)	-1.869565	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0001 70	GLDC	glycine dehydroge nase (decarbox ylating; glycine decarboxyl ase, glycine cleavage system protein P)	-1.748279	Inlier
siRNA Disorazole DMSO Run1	NM_0001 70	GLDC	glycine dehydroge nase (decarbox ylating; glycine decarboxyl ase, glycine cleavage system protein P)	-1.263296	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_000170	GLDC	glycine dehydrogenase (decarboxylating; glycine decarboxylase, glycine cleavage system protein P)	-0.382618	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000170	GLDC	glycine dehydrogenase (decarboxylating; glycine decarboxylase, glycine cleavage system protein P)	0.382618	Inlier
siRNA Disorazole DMSO Run2	NM_000170	GLDC	glycine dehydrogenase (decarboxylating; glycine decarboxylase, glycine cleavage system protein P)	0.413769	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000170	GLDC	glycine dehydrogenase (decarboxylating; glycine decarboxylase, glycine cleavage system protein P)	0.490447	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0001 70	GLDC	glycine dehydrogenase (decarboxylating; glycine decarboxylase, glycine cleavage system protein P)	0.858553	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0052 69	GLI	glioma-associated oncogene homolog 1 (zinc finger protein)	-1.802889	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0052 69	GLI	glioma-associated oncogene homolog 1 (zinc finger protein)	-0.649694	Inlier
siRNA Disorazole DMSO Run1	NM_0052 69	GLI	glioma-associated oncogene homolog 1 (zinc finger protein)	-0.413694	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0052 69	GLI	glioma-associated oncogene homolog 1 (zinc finger protein)	-0.009935	Inlier
siRNA Disorazole DMSO Run3	NM_0052 69	GLI	glioma-associated oncogene homolog 1 (zinc finger protein)	0.009934	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0052 69	GLI	glioma-associated oncogene homolog 1 (zinc finger protein)	0.699306	Inlier
siRNA Disorazole DMSO Run2	NM_0052 69	GLI	glioma-associated oncogene homolog 1 (zinc finger protein)	1.227994	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0052 69	GLI	glioma-associated oncogene homolog 1 (zinc finger protein)	2.2259	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0067 08	GLO1	glyoxalase I	-1.283864	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0067 08	GLO1	glyoxalase I	-1.221423	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0067 08	GLO1	glyoxalase I	-1.201705	Inlier
siRNA Disorazole DMSO Run1	NM_0067 08	GLO1	glyoxalase I	-0.154661	Inlier
siRNA Disorazole DMSO Run3	NM_0067 08	GLO1	glyoxalase I	0.154661	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0067 08	GLO1	glyoxalase I	0.370582	Inlier
siRNA Disorazole DMSO Run2	NM_0067 08	GLO1	glyoxalase I	0.519962	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0067 08	GLO1	glyoxalase I	0.829038	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0020 62	GLP1R	glucagon-like peptide 1 receptor	-1.241492	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0020 62	GLP1R	glucagon-like peptide 1 receptor	-0.673561	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0020 62	GLP1R	glucagon-like peptide 1 receptor	-0.447999	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0020 62	GLP1R	glucagon-like peptide 1 receptor	-0.100868	Inlier
siRNA Disorazole DMSO Run2	NM_0020 62	GLP1R	glucagon-like peptide 1 receptor	0.100868	Inlier
siRNA Disorazole DMSO Run1	NM_0020 62	GLP1R	glucagon-like peptide 1 receptor	0.675439	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0020 62	GLP1R	glucagon-like peptide 1 receptor	2.782705	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0020 62	GLP1R	glucagon-like peptide 1 receptor	3.119543	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0042 46	GLP2R	glucagon-like peptide 2 receptor	-1.157842	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0042 46	GLP2R	glucagon-like peptide 2 receptor	-0.669506	Inlier
siRNA Disorazole DMSO Run2	NM_0042 46	GLP2R	glucagon-like peptide 2 receptor	-0.504812	Inlier
siRNA Disorazole DMSO Run3	NM_0042 46	GLP2R	glucagon-like peptide 2 receptor	-0.003903	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0042 46	GLP2R	glucagon-like peptide 2 receptor	0.003903	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0042 46	GLP2R	glucagon-like peptide 2 receptor	0.679494	Inlier
siRNA Disorazole DMSO Run1	NM_0042 46	GLP2R	glucagon-like peptide 2 receptor	0.687652	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0042 46	GLP2R	glucagon-like peptide 2 receptor	0.726458	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0001 71	GLRA1	glycine receptor, alpha 1 (startle disease/hyperekplexia, stiff man syndrome)	-3.743204	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0001 71	GLRA1	glycine receptor, alpha 1 (startle disease/hyperekplexia, stiff man syndrome)	-0.718523	Inlier
siRNA Disorazole DMSO Run1	NM_0001 71	GLRA1	glycine receptor, alpha 1 (startle disease/hyperekplexia, stiff man syndrome)	-0.400959	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0001 71	GLRA1	glycine receptor, alpha 1 (startle disease/hyperekplexia, stiff man syndrome)	-0.280491	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0001 71	GLRA1	glycine receptor, alpha 1 (startle disease/hyperekplexia, stiff man syndrome)	0.280491	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0001 71	GLRA1	glycine receptor, alpha 1 (startle disease/hyperekplexia, stiff man syndrome)	0.673623	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0001 71	GLRA1	glycine receptor, alpha 1 (startle disease/hyperekplexia, stiff man syndrome)	0.675377	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0001 71	GLRA1	glycine receptor, alpha 1 (startle disease/hyperekplexia, stiff man syndrome)	1.099013	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0020 63	GLRA2	glycine receptor, alpha 2	-1.83159	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0020 63	GLRA2	glycine receptor, alpha 2	-1.304019	Inlier
siRNA Disorazole DMSO Run2	NM_0020 63	GLRA2	glycine receptor, alpha 2	-0.746748	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0020 63	GLRA2	glycine receptor, alpha 2	-0.249898	Inlier
siRNA Disorazole DMSO Run1	NM_0020 63	GLRA2	glycine receptor, alpha 2	0.249898	Inlier
siRNA Disorazole DMSO Run3	NM_0020 63	GLRA2	glycine receptor, alpha 2	0.292445	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0020 63	GLRA2	glycine receptor, alpha 2	0.602252	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Condition	Gene	Gene ID	Gene Name	Value	Category
Molecular Pharmacology siRNA-Vinblastine Run2- DMSO	NM_0020 63	GLRA2	glycine receptor, alpha 2	1.03103	Inlier
siRNA Disorazole DMSO Run2	NM_0065 29	GLRA3	glycine receptor, alpha 3	-1.404753	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0065 29	GLRA3	glycine receptor, alpha 3	-1.031994	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0065 29	GLRA3	glycine receptor, alpha 3	-0.651181	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0065 29	GLRA3	glycine receptor, alpha 3	-0.091155	Inlier
siRNA Disorazole DMSO Run1	NM_0065 29	GLRA3	glycine receptor, alpha 3	0.091155	Inlier
siRNA Disorazole DMSO Run3	NM_0065 29	GLRA3	glycine receptor, alpha 3	0.192142	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0065 29	GLRA3	glycine receptor, alpha 3	0.697819	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0065 29	GLRA3	glycine receptor, alpha 3	1.235096	Inlier
siRNA Disorazole DMSO Run2	NM_0008 24	GLRB	glycine receptor, beta	-3.140222	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0008 24	GLRB	glycine receptor, beta	-0.8844	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0008 24	GLRB	glycine receptor, beta	-0.727882	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0008 24	GLRB	glycine receptor, beta	-0.137587	Inlier
siRNA Disorazole DMSO Run1	NM_0008 24	GLRB	glycine receptor, beta	0.137587	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0008 24	GLRB	glycine receptor, beta	0.423266	Inlier
siRNA Disorazole DMSO Run3	NM_0008 24	GLRB	glycine receptor, beta	0.621118	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0008 24	GLRB	glycine receptor, beta	1.020719	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0020 64	GLRX	glutaredox in (thioltransf erase)	-0.783636	Inlier
siRNA Disorazole DMSO Run3	NM_0020 64	GLRX	glutaredox in (thioltransf erase)	-0.723274	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0020 64	GLRX	glutaredox in (thioltransf erase)	-0.719478	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0020 64	GLRX	glutaredox in (thioltransf erase)	-0.292136	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0020 64	GLRX	glutaredox in (thioltransf erase)	0.292136	Inlier
siRNA Disorazole DMSO Run1	NM_0020 64	GLRX	glutaredox in (thioltransf erase)	0.345827	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0020 64	GLRX	glutaredox in (thioltransf erase)	0.673743	Inlier
siRNA Disorazole DMSO Run2	NM_0020 64	GLRX	glutaredox in (thioltransf erase)	0.675257	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0149 05	GLS	glutaminas e	-2.228743	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0149 05	GLS	glutaminas e	-0.936476	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0149 05	GLS	glutaminas e	-0.412524	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0149 05	GLS	glutaminas e	-0.072631	Inlier
siRNA Disorazole DMSO Run1	NM_0149 05	GLS	glutaminas e	0.07263	Inlier
siRNA Disorazole DMSO Run3	NM_0149 05	GLS	glutaminas e	0.203767	Inlier
siRNA Disorazole DMSO Run2	NM_0149 05	GLS	glutaminas e	2.47452	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0149 05	GLS	glutaminas e	3.757828	Outlier
siRNA-Temozolomide Run1-DMSO	NM_0052 71	GLUD1	glutamate dehydroge nase 1	-0.792767	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0052 71	GLUD1	glutamate dehydroge nase 1	-0.63695	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0052 71	GLUD1	glutamate dehydroge nase 1	-0.486924	Inlier
siRNA Disorazole DMSO Run3	NM_0052 71	GLUD1	glutamate dehydroge nase 1	-0.186188	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0052 71	GLUD1	glutamate dehydroge nase 1	0.18619	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0052 71	GLUD1	glutamate dehydroge nase 1	0.71205	Inlier
siRNA Disorazole DMSO Run2	NM_0052 71	GLUD1	glutamate dehydroge nase 1	3.893185	Outlier
siRNA-Vinblastine Run1- DMSO	NM_0052 71	GLUD1	glutamate dehydroge nase 1	4.363806	Outlier
siRNA-Temozolomide Run3- DMSO	NM_0120 84	GLUD2	glutamate dehydroge nase 2	-1.491882	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0120 84	GLUD2	glutamate dehydroge nase 2	-0.875509	Inlier
siRNA Disorazole DMSO Run1	NM_0120 84	GLUD2	glutamate dehydroge nase 2	-0.391364	Inlier
siRNA Disorazole DMSO Run3	NM_0120 84	GLUD2	glutamate dehydroge nase 2	-0.198521	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0120 84	GLUD2	glutamate dehydroge nase 2	0.19852	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0120 84	GLUD2	glutamate dehydroge nase 2	0.473491	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0120 84	GLUD2	glutamate dehydroge nase 2	2.061242	Inlier
siRNA Disorazole DMSO Run2	NM_0120 84	GLUD2	glutamate dehydroge nase 2	2.995756	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0020 65	GLUL	glutamate- ammonia ligase (glutamine synthase)	-1.006141	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0020 65	GLUL	glutamate-ammonia ligase (glutamine synthase)	-0.347605	Inlier
siRNA Disorazole DMSO Run1	NM_0020 65	GLUL	glutamate-ammonia ligase (glutamine synthase)	-0.341428	Inlier
siRNA Disorazole DMSO Run3	NM_0020 65	GLUL	glutamate-ammonia ligase (glutamine synthase)	-0.275696	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0020 65	GLUL	glutamate-ammonia ligase (glutamine synthase)	0.275696	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0020 65	GLUL	glutamate-ammonia ligase (glutamine synthase)	1.001395	Inlier
siRNA Disorazole DMSO Run2	NM_0020 65	GLUL	glutamate-ammonia ligase (glutamine synthase)	2.714973	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0020 65	GLUL	glutamate-ammonia ligase (glutamine synthase)	2.769778	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0165 71	GLULD1	glutamate-ammonia ligase (glutamine synthase) domain containing 1	-4.687999	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0165 71	GLULD1	1	glutamate-ammonia ligase (glutamine synthase) domain containing	-0.949111 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0165 71	GLULD1	1	glutamate-ammonia ligase (glutamine synthase) domain containing	-0.249326 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0165 71	GLULD1	1	glutamate-ammonia ligase (glutamine synthase) domain containing	-0.148377 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0165 71	GLULD1	1	glutamate-ammonia ligase (glutamine synthase) domain containing	0.148375 Inlier
siRNA Disorazole DMSO Run1	NM_0165 71	GLULD1	1	glutamate-ammonia ligase (glutamine synthase) domain containing	0.399889 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0165 71	GLULD1	glutamate-ammonia ligase (glutamine synthase) domain containing 1	2.910726	Inlier
siRNA Disorazole DMSO Run2	NM_0165 71	GLULD1	glutamate-ammonia ligase (glutamine synthase) domain containing 1	5.494907	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0058 38	GLYAT	glycine-N-acyltransferase	-1.747029	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0058 38	GLYAT	glycine-N-acyltransferase	-0.802947	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0058 38	GLYAT	glycine-N-acyltransferase	-0.546053	Inlier
siRNA Disorazole DMSO Run1	NM_0058 38	GLYAT	glycine-N-acyltransferase	-0.184659	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0058 38	GLYAT	glycine-N-acyltransferase	0.184659	Inlier
siRNA Disorazole DMSO Run3	NM_0058 38	GLYAT	glycine-N-acyltransferase	0.40725	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0058 38	GLYAT	glycine-N-acyltransferase	1.660131	Inlier
siRNA Disorazole DMSO Run2	NM_0058 38	GLYAT	glycine-N-acyltransferase	1.739267	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0015 00	GMDS	GDP-mannose 4,6-dehydratase	-2.0761	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0015 00	GMDS	GDP-mannose 4,6-dehydratase	-1.077111	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_001500	GMDS	GDP-mannose 4,6-dehydratase	-0.796928	Inlier
siRNA Disorazole DMSO Run3	NM_001500	GMDS	GDP-mannose 4,6-dehydratase	-0.068504	Inlier
siRNA Disorazole DMSO Run1	NM_001500	GMDS	GDP-mannose 4,6-dehydratase	0.068504	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001500	GMDS	GDP-mannose 4,6-dehydratase	0.308081	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001500	GMDS	GDP-mannose 4,6-dehydratase	0.552072	Inlier
siRNA Disorazole DMSO Run2	NM_001500	GMDS	GDP-mannose 4,6-dehydratase	0.835554	Inlier
siRNA-Temozolomide Run3-DMSO	NM_016573	GMIP	GEM interacting protein	-1.070101	Inlier
siRNA-Temozolomide Run2-DMSO	NM_016573	GMIP	GEM interacting protein	-0.423117	Inlier
siRNA Disorazole DMSO Run1	NM_016573	GMIP	GEM interacting protein	-0.246988	Inlier
siRNA-Temozolomide Run1-DMSO	NM_016573	GMIP	GEM interacting protein	-0.140943	Inlier
siRNA-Vinblastine Run2-DMSO	NM_016573	GMIP	GEM interacting protein	0.140943	Inlier
siRNA Disorazole DMSO Run3	NM_016573	GMIP	GEM interacting protein	0.925882	Inlier
siRNA-Vinblastine Run1-DMSO	NM_016573	GMIP	GEM interacting protein	3.430678	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0165 73	GMIP	GEM interacting protein	4.032787	Outlier
siRNA Disorazole DMSO Run1	NM_0219 71	GMPPB	GDP-mannose pyrophosphorylase B	-1.202542	Inlier
siRNA Disorazole DMSO Run3	NM_0219 71	GMPPB	GDP-mannose pyrophosphorylase B	-0.67066	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0219 71	GMPPB	GDP-mannose pyrophosphorylase B	-0.656775	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0219 71	GMPPB	GDP-mannose pyrophosphorylase B	-0.135239	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0219 71	GMPPB	GDP-mannose pyrophosphorylase B	0.13524	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0219 71	GMPPB	GDP-mannose pyrophosphorylase B	0.67834	Inlier
siRNA Disorazole DMSO Run2	NM_0219 71	GMPPB	GDP-mannose pyrophosphorylase B	0.989155	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0219 71	GMPPB	GDP-mannose pyrophosphorylase B	2.536144	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0068 77	GMPR	guanosine monophosphate reductase	-0.921533	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0068 77	GMPR	guanosine monophosphate reductase	-0.780774	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0068 77	GMPR	guanosine monophos phate reductase	-0.760409	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0068 77	GMPR	guanosine monophos phate reductase	-0.045436	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0068 77	GMPR	guanosine monophos phate reductase	0.045436	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0068 77	GMPR	guanosine monophos phate reductase	0.582406	Inlier
siRNA Disorazole DMSO Run2	NM_0068 77	GMPR	guanosine monophos phate reductase	0.618756	Inlier
siRNA Disorazole DMSO Run3	NM_0068 77	GMPR	guanosine monophos phate reductase	0.730244	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0165 76	GMPR2	guanosine monophos phate reductase 2	-0.870598	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0165 76	GMPR2	guanosine monophos phate reductase 2	-0.850545	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0165 76	GMPR2	guanosine monophos phate reductase 2	-0.688276	Inlier
siRNA Disorazole DMSO Run1	NM_0165 76	GMPR2	guanosine monophos phate reductase 2	-0.092462	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0165 76	GMPR2	guanosine monophos phate reductase 2	0.092462	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0165 76	GMPR2	guanosine monophosphate reductase 2	0.12258	Inlier
siRNA Disorazole DMSO Run2	NM_0165 76	GMPR2	guanosine monophosphate reductase 2	0.660724	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0165 76	GMPR2	guanosine monophosphate reductase 2	1.436024	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0038 75	GMPS	guanine monophosphate synthetase	-2.193903	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0038 75	GMPS	guanine monophosphate synthetase	-1.284946	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0038 75	GMPS	guanine monophosphate synthetase	-0.625896	Inlier
siRNA Disorazole DMSO Run1	NM_0038 75	GMPS	guanine monophosphate synthetase	-0.005741	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0038 75	GMPS	guanine monophosphate synthetase	0.00574	Inlier
siRNA Disorazole DMSO Run3	NM_0038 75	GMPS	guanine monophosphate synthetase	0.126015	Inlier
siRNA Disorazole DMSO Run2	NM_0038 75	GMPS	guanine monophosphate synthetase	0.723104	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0038 75	GMP5	guanine monphosp hate synthetase	2.488556	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0323 20	GMRP-1	GMRP-1	-1.587366	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0323 20	GMRP-1	GMRP-1	-1.37296	Inlier
siRNA Disorazole DMSO Run2	NM_0323 20	GMRP-1	GMRP-1	-0.349501	Inlier
siRNA Disorazole DMSO Run1	NM_0323 20	GMRP-1	GMRP-1	-0.091426	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0323 20	GMRP-1	GMRP-1	0.091425	Inlier
siRNA Disorazole DMSO Run3	NM_0323 20	GMRP-1	GMRP-1	0.301757	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0323 20	GMRP-1	GMRP-1	0.999499	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0323 20	GMRP-1	GMRP-1	1.665412	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0020 67	GNA11	guanine nucleotide binding protein (G protein), alpha 11 (Gq class)	-1.901567	Inlier
siRNA Disorazole DMSO Run3	NM_0020 67	GNA11	guanine nucleotide binding protein (G protein), alpha 11 (Gq class)	-1.551753	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0020 67	GNA11	guanine nucleotide binding protein (G protein), alpha 11 (Gq class)	-1.322667	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_002067	GNA11	guanine nucleotide binding protein (G protein), alpha 11 (Gq class)	-0.169804	Inlier
siRNA Disorazole DMSO Run1	NM_002067	GNA11	guanine nucleotide binding protein (G protein), alpha 11 (Gq class)	0.169803	Inlier
siRNA Disorazole DMSO Run2	NM_002067	GNA11	guanine nucleotide binding protein (G protein), alpha 11 (Gq class)	0.4326	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002067	GNA11	guanine nucleotide binding protein (G protein), alpha 11 (Gq class)	0.654857	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002067	GNA11	guanine nucleotide binding protein (G protein), alpha 11 (Gq class)	0.694143	Inlier
siRNA-Temozolomide Run3-DMSO	NM_007353	GNA12	guanine nucleotide binding protein (G protein) alpha 12	-2.287089	Inlier
siRNA-Temozolomide Run2-DMSO	NM_007353	GNA12	guanine nucleotide binding protein (G protein) alpha 12	-0.959961	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0073 53	GNA12	guanine nucleotide binding protein (G protein) alpha 12	-0.503075	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0073 53	GNA12	guanine nucleotide binding protein (G protein) alpha 12	-0.27208	Inlier
siRNA Disorazole DMSO Run2	NM_0073 53	GNA12	guanine nucleotide binding protein (G protein) alpha 12	0.272079	Inlier
siRNA Disorazole DMSO Run3	NM_0073 53	GNA12	guanine nucleotide binding protein (G protein) alpha 12	0.373354	Inlier
siRNA Disorazole DMSO Run1	NM_0073 53	GNA12	guanine nucleotide binding protein (G protein) alpha 12	0.845925	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0073 53	GNA12	guanine nucleotide binding protein (G protein) alpha 12	0.914072	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0065 72	GNA13	guanine nucleotide binding protein (G protein), alpha 13	-3.236652	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0065 72	GNA13	guanine nucleotide binding protein (G protein), alpha 13	-1.641925	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Accession	Protein	Value	Outlier Type
siRNA Disorazole DMSO Run3	NM_0065	72	GNA13	-0.662738	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0065	72	GNA13	-0.362714	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0065	72	GNA13	0.362714	Inlier
siRNA Disorazole DMSO Run1	NM_0065	72	GNA13	0.526116	Inlier
siRNA Disorazole DMSO Run2	NM_0065	72	GNA13	0.686262	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0065	72	GNA13	1.652973	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0042	97	GNA14	-0.815328	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0042	97	GNA14	-0.631592	Inlier

guanine nucleotide binding protein (G protein), alpha 13
 guanine nucleotide binding protein (G protein), alpha 13
 guanine nucleotide binding protein (G protein), alpha 13
 guanine nucleotide binding protein (G protein), alpha 13
 guanine nucleotide binding protein (G protein), alpha 13
 guanine nucleotide binding protein (G protein), alpha 13
 guanine nucleotide binding protein (G protein), alpha 14
 guanine nucleotide binding protein (G protein), alpha 14

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0042 97	GNA14	guanine nucleotide binding protein (G protein), alpha 14	-0.18626	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0042 97	GNA14	guanine nucleotide binding protein (G protein), alpha 14	-0.170367	Inlier
siRNA Disorazole DMSO Run3	NM_0042 97	GNA14	guanine nucleotide binding protein (G protein), alpha 14	0.170366	Inlier
siRNA Disorazole DMSO Run1	NM_0042 97	GNA14	guanine nucleotide binding protein (G protein), alpha 14	0.717408	Inlier
siRNA Disorazole DMSO Run2	NM_0042 97	GNA14	guanine nucleotide binding protein (G protein), alpha 14	0.779849	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0042 97	GNA14	guanine nucleotide binding protein (G protein), alpha 14	0.898953	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0020 68	GNA15	guanine nucleotide binding protein (G protein), alpha 15 (Gq class)	-2.984797	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0020 68	GNA15	guanine nucleotide binding protein (G protein), alpha 15 (Gq class)	-0.748801	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_002068	GNA15	guanine nucleotide binding protein (G protein), alpha 15 (Gq class)	-0.600199	Inlier
siRNA Disorazole DMSO Run3	NM_002068	GNA15	guanine nucleotide binding protein (G protein), alpha 15 (Gq class)	-0.372225	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002068	GNA15	guanine nucleotide binding protein (G protein), alpha 15 (Gq class)	0.372225	Inlier
siRNA Disorazole DMSO Run1	NM_002068	GNA15	guanine nucleotide binding protein (G protein), alpha 15 (Gq class)	0.494206	Inlier
siRNA Disorazole DMSO Run2	NM_002068	GNA15	guanine nucleotide binding protein (G protein), alpha 15 (Gq class)	3.448635	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002068	GNA15	guanine nucleotide binding protein (G protein), alpha 15 (Gq class)	5.088827	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_002069	GNAI1	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 1	-2.089317	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002069	GNAI1	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 1	-1.759573	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002069	GNAI1	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 1	-1.536089	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002069	GNAI1	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 1	-0.208582	Inlier
siRNA Disorazole DMSO Run1	NM_002069	GNAI1	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 1	0.208582	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0020 69	GNAI1	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 1	0.333045	Inlier
siRNA Disorazole DMSO Run2	NM_0020 69	GNAI1	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 1	0.359813	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0020 69	GNAI1	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 1	0.989187	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0020 70	GNAI2	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2	-2.64063	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0020 70	GNAI2	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2	-1.431752	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_002070	GNAI2	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2	-0.938068	Inlier
siRNA Disorazole DMSO Run1	NM_002070	GNAI2	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2	-0.044322	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002070	GNAI2	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2	0.044322	Inlier
siRNA Disorazole DMSO Run3	NM_002070	GNAI2	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2	0.145928	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002070	GNAI2	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2	0.426199	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0020 70	GNAI2	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2	0.922801	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0064 96	GNAI3	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 3	-0.695227	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0064 96	GNAI3	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 3	-0.653773	Inlier
siRNA Disorazole DMSO Run3	NM_0064 96	GNAI3	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 3	-0.145699	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0064 96	GNAI3	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 3	-0.002887	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0064 96	GNAI3	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 3	0.002887	Inlier
siRNA Disorazole DMSO Run1	NM_0064 96	GNAI3	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 3	0.700543	Inlier
siRNA Disorazole DMSO Run2	NM_0064 96	GNAI3	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 3	1.702054	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0064 96	GNAI3	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 3	2.269009	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1829 78	GNAL	guanine nucleotide binding protein (G protein), alpha activating activity polypeptide, olfactory type	-3.301639	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_182978	GNAL	guanine nucleotide binding protein (G protein), alpha activating activity polypeptide, olfactory type	-2.57124 Inlier
siRNA-Temozolomide Run2-DMSO	NM_182978	GNAL	guanine nucleotide binding protein (G protein), alpha activating activity polypeptide, olfactory type	-1.326783 Inlier
siRNA-Vinblastine Run2-DMSO	NM_182978	GNAL	guanine nucleotide binding protein (G protein), alpha activating activity polypeptide, olfactory type	-0.069156 Inlier
siRNA-Temozolomide Run1-DMSO	NM_182978	GNAL	guanine nucleotide binding protein (G protein), alpha activating activity polypeptide, olfactory type	0.069156 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_1829 78	GNAL	guanine nucleotide binding protein (G protein), alpha activating activity polypeptide, olfactory type	0.167457	Inlier
siRNA Disorazole DMSO Run2	NM_1829 78	GNAL	guanine nucleotide binding protein (G protein), alpha activating activity polypeptide, olfactory type	0.533337	Inlier
siRNA Disorazole DMSO Run1	NM_1829 78	GNAL	guanine nucleotide binding protein (G protein), alpha activating activity polypeptide, olfactory type	0.815663	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0209 88	GNAO1	guanine nucleotide binding protein (G protein), alpha activating activity polypeptide O	-1.070404	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_020988	GNAO1	guanine nucleotide binding protein (G protein), alpha activating activity polypeptide O	-0.859426	Inlier
siRNA-Temozolomide Run1-DMSO	NM_020988	GNAO1	guanine nucleotide binding protein (G protein), alpha activating activity polypeptide O	-0.839764	Inlier
siRNA-Vinblastine Run2-DMSO	NM_020988	GNAO1	guanine nucleotide binding protein (G protein), alpha activating activity polypeptide O	-0.000795	Inlier
siRNA Disorazole DMSO Run3	NM_020988	GNAO1	guanine nucleotide binding protein (G protein), alpha activating activity polypeptide O	0.000795	Inlier
siRNA Disorazole DMSO Run2	NM_020988	GNAO1	guanine nucleotide binding protein (G protein), alpha activating activity polypeptide O	0.496683	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0209 88	GNAO1	guanine nucleotide binding protein (G protein), alpha activating activity polypeptide O	0.509236	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0209 88	GNAO1	guanine nucleotide binding protein (G protein), alpha activating activity polypeptide O	0.945006	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0020 72	GNAQ	guanine nucleotide binding protein (G protein), q polypeptide	-1.583011	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0020 72	GNAQ	guanine nucleotide binding protein (G protein), q polypeptide	-0.977113	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0020 72	GNAQ	guanine nucleotide binding protein (G protein), q polypeptide	-0.148737	Inlier
siRNA Disorazole DMSO Run3	NM_0020 72	GNAQ	guanine nucleotide binding protein (G protein), q polypeptide	-0.06548	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_002072	GNAQ	guanine nucleotide binding protein (G protein), q polypeptide	0.06548	Inlier
siRNA Disorazole DMSO Run1	NM_002072	GNAQ	guanine nucleotide binding protein (G protein), q polypeptide	0.371887	Inlier
siRNA Disorazole DMSO Run2	NM_002072	GNAQ	guanine nucleotide binding protein (G protein), q polypeptide	1.145525	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002072	GNAQ	guanine nucleotide binding protein (G protein), q polypeptide	1.936675	Inlier
siRNA-Temozolomide Run2-DMSO	NM_080426	GNAS	GNAS complex locus	-1.282563	Inlier
siRNA-Temozolomide Run3-DMSO	NM_080426	GNAS	GNAS complex locus	-0.996719	Inlier
siRNA-Temozolomide Run1-DMSO	NM_080426	GNAS	GNAS complex locus	-0.929974	Inlier
siRNA Disorazole DMSO Run1	NM_080426	GNAS	GNAS complex locus	-0.153448	Inlier
siRNA Disorazole DMSO Run3	NM_080426	GNAS	GNAS complex locus	0.153448	Inlier
siRNA Disorazole DMSO Run2	NM_080426	GNAS	GNAS complex locus	0.310427	Inlier
siRNA-Vinblastine Run1-DMSO	NM_080426	GNAS	GNAS complex locus	0.445996	Inlier
siRNA-Vinblastine Run2-DMSO	NM_080426	GNAS	GNAS complex locus	0.903004	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_000172	GNAT1	guanine nucleotide binding protein (G protein), alpha transducing activity polypeptide 1	-1.57308	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000172	GNAT1	guanine nucleotide binding protein (G protein), alpha transducing activity polypeptide 1	-0.841128	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000172	GNAT1	guanine nucleotide binding protein (G protein), alpha transducing activity polypeptide 1	-0.507872	Inlier
siRNA Disorazole DMSO Run3	NM_000172	GNAT1	guanine nucleotide binding protein (G protein), alpha transducing activity polypeptide 1	-0.313363	Inlier
siRNA Disorazole DMSO Run2	NM_000172	GNAT1	guanine nucleotide binding protein (G protein), alpha transducing activity polypeptide 1	0.313363	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_000172	GNAT1	guanine nucleotide binding protein (G protein), alpha transducing activity polypeptide 1	0.507808	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000172	GNAT1	guanine nucleotide binding protein (G protein), alpha transducing activity polypeptide 1	0.875364	Inlier
siRNA Disorazole DMSO Run1	NM_000172	GNAT1	guanine nucleotide binding protein (G protein), alpha transducing activity polypeptide 1	1.573093	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005272	GNAT2	guanine nucleotide binding protein (G protein), alpha transducing activity polypeptide 2	-0.991809	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005272	GNAT2	guanine nucleotide binding protein (G protein), alpha transducing activity polypeptide 2	-0.768703	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_005272	GNAT2	guanine nucleotide binding protein (G protein), alpha transducing activity polypeptide 2	-0.580297	Inlier
siRNA Disorazole DMSO Run2	NM_005272	GNAT2	guanine nucleotide binding protein (G protein), alpha transducing activity polypeptide 2	-0.033281	Inlier
siRNA Disorazole DMSO Run1	NM_005272	GNAT2	guanine nucleotide binding protein (G protein), alpha transducing activity polypeptide 2	0.033281	Inlier
siRNA Disorazole DMSO Run3	NM_005272	GNAT2	guanine nucleotide binding protein (G protein), alpha transducing activity polypeptide 2	0.529145	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005272	GNAT2	guanine nucleotide binding protein (G protein), alpha transducing activity polypeptide 2	0.775713	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_005272	GNAT2	guanine nucleotide binding protein (G protein), alpha transducing activity polypeptide 2	0.869119	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002073	GNAZ	guanine nucleotide binding protein (G protein), alpha z polypeptide	-2.478438	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002073	GNAZ	guanine nucleotide binding protein (G protein), alpha z polypeptide	-0.716077	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002073	GNAZ	guanine nucleotide binding protein (G protein), alpha z polypeptide	-0.282884	Inlier
siRNA Disorazole DMSO Run3	NM_002073	GNAZ	guanine nucleotide binding protein (G protein), alpha z polypeptide	-0.058847	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002073	GNAZ	guanine nucleotide binding protein (G protein), alpha z polypeptide	0.058847	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0020 73	GNAZ	guanine nucleotide binding protein (G protein), alpha z polypeptide	0.632923	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0020 73	GNAZ	guanine nucleotide binding protein (G protein), alpha z polypeptide	2.219738	Inlier
siRNA Disorazole DMSO Run1	NM_0020 73	GNAZ	guanine nucleotide binding protein (G protein), alpha z polypeptide	2.33747	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0054 76	GNE	glucosamine (UDP-N-acetyl)-2-epimerase /N-acetylman nosamine kinase	-1.324748	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0054 76	GNE	glucosamine (UDP-N-acetyl)-2-epimerase /N-acetylman nosamine kinase	-0.729509	Inlier
siRNA Disorazole DMSO Run2	NM_0054 76	GNE	glucosamine (UDP-N-acetyl)-2-epimerase /N-acetylman nosamine kinase	-0.597974	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_005476	GNE	glucosamine (UDP-N-acetyl)-2-epimerase /N-acetylmannosamine kinase	-0.057407	Inlier
siRNA Disorazole DMSO Run3	NM_005476	GNE	glucosamine (UDP-N-acetyl)-2-epimerase /N-acetylmannosamine kinase	0.057407	Inlier
siRNA Disorazole DMSO Run1	NM_005476	GNE	glucosamine (UDP-N-acetyl)-2-epimerase /N-acetylmannosamine kinase	0.619491	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005476	GNE	glucosamine (UDP-N-acetyl)-2-epimerase /N-acetylmannosamine kinase	0.915174	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005476	GNE	glucosamine (UDP-N-acetyl)-2-epimerase /N-acetylmannosamine kinase	1.312404	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004485	GNG4	guanine nucleotide binding protein (G protein), gamma 4	-1.059411	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0044 85	GNG4	guanine nucleotide binding protein (G protein), gamma 4	-1.015935	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0044 85	GNG4	guanine nucleotide binding protein (G protein), gamma 4	-0.131764	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0044 85	GNG4	guanine nucleotide binding protein (G protein), gamma 4	-0.085384	Inlier
siRNA Disorazole DMSO Run3	NM_0044 85	GNG4	guanine nucleotide binding protein (G protein), gamma 4	0.085384	Inlier
siRNA Disorazole DMSO Run1	NM_0044 85	GNG4	guanine nucleotide binding protein (G protein), gamma 4	0.358903	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0044 85	GNG4	guanine nucleotide binding protein (G protein), gamma 4	0.990097	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0044 85	GNG4	guanine nucleotide binding protein (G protein), gamma 4	1.255875	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0528 47	GNG7	guanine nucleotide binding protein (G protein), gamma 7	-1.40392	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0528 47	GNG7	guanine nucleotide binding protein (G protein), gamma 7	-0.68007	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0528 47	GNG7	guanine nucleotide binding protein (G protein), gamma 7	-0.650168	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0528 47	GNG7	guanine nucleotide binding protein (G protein), gamma 7	-0.351194	Inlier
siRNA Disorazole DMSO Run3	NM_0528 47	GNG7	guanine nucleotide binding protein (G protein), gamma 7	0.351194	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0528 47	GNG7	guanine nucleotide binding protein (G protein), gamma 7	0.66893	Inlier
siRNA Disorazole DMSO Run1	NM_0528 47	GNG7	guanine nucleotide binding protein (G protein), gamma 7	0.747448	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0528 47	GNG7	guanine nucleotide binding protein (G protein), gamma 7	0.840678	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0189 60	GNMT	glycine N-methyltransferase	-0.904376	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0189 60	GNMT	glycine N-methyltransferase	-0.444624	Inlier
siRNA Disorazole DMSO Run1	NM_0189 60	GNMT	glycine N-methyltransferase	-0.243886	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology					
siRNA-Vinblastine Run2-DMSO	NM_0189 60	GNMT	glycine N-methyltransferase	-0.105135	Inlier
siRNA Disorazole DMSO Run3	NM_0189 60	GNMT	glycine N-methyltransferase	0.105134	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0189 60	GNMT	glycine N-methyltransferase	2.530285	Inlier
siRNA Disorazole DMSO Run2	NM_0189 60	GNMT	glycine N-methyltransferase	3.689663	Outlier
siRNA-Vinblastine Run1-DMSO	NM_0189 60	GNMT	glycine N-methyltransferase	3.725149	Outlier
siRNA-Temozolomide Run1-DMSO	NM_0142 36	GNPAT	glyceronephosphate O-acyltransferase	-1.371387	Inlier
siRNA Disorazole DMSO Run1	NM_0142 36	GNPAT	glyceronephosphate O-acyltransferase	-0.64558	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0142 36	GNPAT	glyceronephosphate O-acyltransferase	-0.524531	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0142 36	GNPAT	glyceronephosphate O-acyltransferase	-0.175003	Inlier
siRNA Disorazole DMSO Run3	NM_0142 36	GNPAT	glyceronephosphate O-acyltransferase	0.175002	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0142 36	GNPAT	glyceronephosphate O-acyltransferase	0.70342	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0142 36	GNPAT	glyceronephosphate O-acyltransferase	1.272041	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0142 36	GNPAT	glyceronephosphate O-acyltransferase	1.40778	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0054 71	GNPDA1	glucosamine-6-phosphate deaminase 1	-1.062368	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0054 71	GNPDA1	glucosamine-6-phosphate deaminase 1	-0.79784	Inlier
siRNA Disorazole DMSO Run1	NM_0054 71	GNPDA1	glucosamine-6-phosphate deaminase 1	-0.431899	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0054 71	GNPDA1	glucosamine-6-phosphate deaminase 1	-0.197684	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0054 71	GNPDA1	glucosamine-6-phosphate deaminase 1	0.197684	Inlier
siRNA Disorazole DMSO Run3	NM_0054 71	GNPDA1	glucosamine-6-phosphate deaminase 1	0.55116	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0054 71	GNPDA1	glucosamine-6-phosphate deaminase 1	3.020657	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0054 71	GNPDA1	glucosamine-6-phosphate deaminase 1	3.248352	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1383 35	GNPDA2	glucosamine-6-phosphate deaminase 2	-3.237398	Inlier
siRNA Disorazole DMSO Run1	NM_1383 35	GNPDA2	glucosamine-6-phosphate deaminase 2	-0.689579	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1383 35	GNPDA2	glucosamine-6-phosphate deaminase 2	-0.659421	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1383 35	GNPDA2	glucosamine-6-phosphate deaminase 2	-0.304331	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1383 35	GNPDA2	glucosamine-6-phosphate deaminase 2	0.30433	Inlier
siRNA Disorazole DMSO Run3	NM_1383 35	GNPDA2	glucosamine-6-phosphate deaminase 2	0.397557	Inlier
siRNA Disorazole DMSO Run2	NM_1383 35	GNPDA2	glucosamine-6-phosphate deaminase 2	1.956931	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_138335	GNPDA2	glucosamine-6-phosphate deaminase 2	3.327654	Inlier
siRNA-Temozolomide Run2-DMSO	NM_198066	GNPNAT1	glucosamine-phosphate N-acetyltransferase 1	-0.721203	Inlier
siRNA-Temozolomide Run1-DMSO	NM_198066	GNPNAT1	glucosamine-phosphate N-acetyltransferase 1	-0.627797	Inlier
siRNA-Temozolomide Run3-DMSO	NM_198066	GNPNAT1	glucosamine-phosphate N-acetyltransferase 1	-0.572639	Inlier
siRNA-Vinblastine Run2-DMSO	NM_198066	GNPNAT1	glucosamine-phosphate N-acetyltransferase 1	-0.317313	Inlier
siRNA Disorazole DMSO Run1	NM_198066	GNPNAT1	glucosamine-phosphate N-acetyltransferase 1	0.317313	Inlier
siRNA Disorazole DMSO Run3	NM_198066	GNPNAT1	glucosamine-phosphate N-acetyltransferase 1	1.325099	Inlier
siRNA Disorazole DMSO Run2	NM_198066	GNPNAT1	glucosamine-phosphate N-acetyltransferase 1	4.353708	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log Fold Change	Classification
siRNA-Vinblastine Run1-DMSO	NM_198066	GNPNAT1	glucosaminophosphate N-acetyltransferase 1	4.452856	Outlier
siRNA-Temozolomide Run3-DMSO	NM_000406	GNRHR	gonadotropin-releasing hormone receptor	-1.102602	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000406	GNRHR	gonadotropin-releasing hormone receptor	-0.645715	Inlier
siRNA Disorazole DMSO Run2	NM_000406	GNRHR	gonadotropin-releasing hormone receptor	-0.362591	Inlier
siRNA Disorazole DMSO Run1	NM_000406	GNRHR	gonadotropin-releasing hormone receptor	-0.170055	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000406	GNRHR	gonadotropin-releasing hormone receptor	0.170055	Inlier
siRNA Disorazole DMSO Run3	NM_000406	GNRHR	gonadotropin-releasing hormone receptor	0.703285	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000406	GNRHR	gonadotropin-releasing hormone receptor	1.706605	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000406	GNRHR	gonadotropin-releasing hormone receptor	1.815267	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_002076	GNS	glucosamine (N-acetyl)-6-sulfatase (Sanfilippo disease IIID)	-1.027557	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002076	GNS	glucosamine (N-acetyl)-6-sulfatase (Sanfilippo disease IIID)	-0.955361	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002076	GNS	glucosamine (N-acetyl)-6-sulfatase (Sanfilippo disease IIID)	-0.512963	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002076	GNS	glucosamine (N-acetyl)-6-sulfatase (Sanfilippo disease IIID)	-0.224719	Inlier
siRNA Disorazole DMSO Run3	NM_002076	GNS	glucosamine (N-acetyl)-6-sulfatase (Sanfilippo disease IIID)	0.224719	Inlier
siRNA Disorazole DMSO Run1	NM_002076	GNS	glucosamine (N-acetyl)-6-sulfatase (Sanfilippo disease IIID)	0.432672	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002076	GNS	glucosamine (N-acetyl)-6-sulfatase (Sanfilippo disease IIID)	0.836037	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0020 76	GNS	glucosamine (N-acetyl)-6-sulfatase (Sanfilippo disease IIID)	1.258848	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0048 71	GOSR1	golgi SNAP receptor complex member 1	-0.714279	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0048 71	GOSR1	golgi SNAP receptor complex member 1	-0.651446	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0048 71	GOSR1	golgi SNAP receptor complex member 1	-0.203255	Inlier
siRNA Disorazole DMSO Run1	NM_0048 71	GOSR1	golgi SNAP receptor complex member 1	-0.192077	Inlier
siRNA Disorazole DMSO Run3	NM_0048 71	GOSR1	golgi SNAP receptor complex member 1	0.192077	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0048 71	GOSR1	golgi SNAP receptor complex member 1	0.697554	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0048 71	GOSR1	golgi SNAP receptor complex member 1	4.46591	Outlier
siRNA Disorazole DMSO Run2	NM_0048 71	GOSR1	golgi SNAP receptor complex member 1	4.537095	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0042 87	GOSR2	golgi SNAP receptor complex member 2	-0.712267	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0042 87	GOSR2	golgi SNAP receptor complex member 2	-0.654319	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0042 87	GOSR2	golgi SNAP receptor complex member 2	-0.096321	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0042 87	GOSR2	golgi SNAP receptor complex member 2	-0.055319	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0042 87	GOSR2	golgi SNAP receptor complex member 2	0.055319	Inlier
siRNA Disorazole DMSO Run3	NM_0042 87	GOSR2	golgi SNAP receptor complex member 2	0.694681	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0042 87	GOSR2	golgi SNAP receptor complex member 2	1.502151	Inlier
siRNA Disorazole DMSO Run2	NM_0042 87	GOSR2	golgi SNAP receptor complex member 2	1.518246	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0020 79	GOT1	glutamic- oxaloaceti c transamin ase 1, soluble (aspartate aminotran sferase 1)	-0.719843	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_002079	GOT1	glutamic-oxaloacetic transaminase 1, soluble (aspartate aminotransferase 1)	-0.672805	Inlier
siRNA Disorazole DMSO Run1	NM_002079	GOT1	glutamic-oxaloacetic transaminase 1, soluble (aspartate aminotransferase 1)	-0.31438	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002079	GOT1	glutamic-oxaloacetic transaminase 1, soluble (aspartate aminotransferase 1)	-0.281507	Inlier
siRNA Disorazole DMSO Run3	NM_002079	GOT1	glutamic-oxaloacetic transaminase 1, soluble (aspartate aminotransferase 1)	0.281507	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002079	GOT1	glutamic-oxaloacetic transaminase 1, soluble (aspartate aminotransferase 1)	0.676195	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0020 79	GOT1	glutamic-oxaloacetic transaminase 1, soluble (aspartate aminotransferase 1)	1.267478	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0020 79	GOT1	glutamic-oxaloacetic transaminase 1, soluble (aspartate aminotransferase 1)	1.522817	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0020 80	GOT2	glutamic-oxaloacetic transaminase 2, mitochondrial (aspartate aminotransferase 2)	-1.112819	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0020 80	GOT2	glutamic-oxaloacetic transaminase 2, mitochondrial (aspartate aminotransferase 2)	-0.993982	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0020 80	GOT2	glutamic-oxaloacetic transaminase 2, mitochondrial (aspartate aminotransferase 2)	-0.588071	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0020 80	GOT2	glutamic-oxaloacetic transaminase 2, mitochondrial (aspartate aminotransferase 2)	-0.042735	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0020 80	GOT2	glutamic-oxaloacetic transaminase 2, mitochondrial (aspartate aminotransferase 2)	0.042736	Inlier
siRNA Disorazole DMSO Run3	NM_0020 80	GOT2	glutamic-oxaloacetic transaminase 2, mitochondrial (aspartate aminotransferase 2)	0.230049	Inlier
siRNA Disorazole DMSO Run2	NM_0020 80	GOT2	glutamic-oxaloacetic transaminase 2, mitochondrial (aspartate aminotransferase 2)	0.760929	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0020 80	GOT2	glutamic-oxaloacetic transaminase 2, mitochondrial (aspartate aminotransferase 2)	1.617771	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0209 18	GPAM	glycerol-3-phosphate acyltransferase, mitochondrial	-2.872282	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0209 18	GPAM	glycerol-3-phosphate acyltransferase, mitochondrial	-0.709246	Inlier
siRNA Disorazole DMSO Run3	NM_0209 18	GPAM	glycerol-3-phosphate acyltransferase, mitochondrial	-0.639754	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0209 18	GPAM	glycerol-3-phosphate acyltransferase, mitochondrial	-0.294615	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0209 18	GPAM	glycerol-3-phosphate acyltransferase, mitochondrial	0.294615	Inlier
siRNA Disorazole DMSO Run1	NM_0209 18	GPAM	glycerol-3-phosphate acyltransferase, mitochondrial	0.464677	Inlier
siRNA Disorazole DMSO Run2	NM_0209 18	GPAM	glycerol-3-phosphate acyltransferase, mitochondrial	1.924706	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_020918	GPAM	glycerol-3-phosphate acyltransferase, mitochondrial	2.185621	Inlier
siRNA-Temozolomide Run3-DMSO	NM_170699	GPBAR1	G protein-coupled bile acid receptor 1	-1.508436	Inlier
siRNA-Temozolomide Run1-DMSO	NM_170699	GPBAR1	G protein-coupled bile acid receptor 1	-0.959433	Inlier
siRNA-Temozolomide Run2-DMSO	NM_170699	GPBAR1	G protein-coupled bile acid receptor 1	-0.913161	Inlier
siRNA Disorazole DMSO Run2	NM_170699	GPBAR1	G protein-coupled bile acid receptor 1	-0.209499	Inlier
siRNA-Vinblastine Run1-DMSO	NM_170699	GPBAR1	G protein-coupled bile acid receptor 1	0.209499	Inlier
siRNA-Vinblastine Run2-DMSO	NM_170699	GPBAR1	G protein-coupled bile acid receptor 1	0.289522	Inlier
siRNA Disorazole DMSO Run1	NM_170699	GPBAR1	G protein-coupled bile acid receptor 1	0.435839	Inlier
siRNA Disorazole DMSO Run3	NM_170699	GPBAR1	G protein-coupled bile acid receptor 1	2.47744	Inlier
siRNA Disorazole DMSO Run2	NM_001025075	GPCR	-	-1.071222	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001025075	GPCR	-	-1.058806	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001025075	GPCR	-	-0.290194	Inlier
siRNA Disorazole DMSO Run3	NM_001025075	GPCR	-	-0.17429	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001025075	GPCR	-	0.174289	Inlier
siRNA Disorazole DMSO Run1	NM_001025075	GPCR	-	0.255089	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA-Vinblastine Run1- DMSO	NM_0010 25075	GPCR	-	1.068495	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0010 25075	GPCR	-	1.258665	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0052 76	GPD1	glycerol-3-phosphate dehydrogenase 1 (soluble)	-2.069932	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0052 76	GPD1	glycerol-3-phosphate dehydrogenase 1 (soluble)	-1.385477	Inlier
siRNA Disorazole DMSO Run1	NM_0052 76	GPD1	glycerol-3-phosphate dehydrogenase 1 (soluble)	-0.498678	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0052 76	GPD1	glycerol-3-phosphate dehydrogenase 1 (soluble)	-0.07797	Inlier
siRNA Disorazole DMSO Run3	NM_0052 76	GPD1	glycerol-3-phosphate dehydrogenase 1 (soluble)	0.07797	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0052 76	GPD1	glycerol-3-phosphate dehydrogenase 1 (soluble)	0.614369	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0052 76	GPD1	glycerol-3-phosphate dehydrogenase 1 (soluble)	0.734631	Inlier
siRNA Disorazole DMSO Run2	NM_0052 76	GPD1	glycerol-3-phosphate dehydrogenase 1 (soluble)	1.041006	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0151 41	GPD1L	glycerol-3-phosphate dehydrogenase 1-like	-1.218023	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0151 41	GPD1L	glycerol-3-phosphate dehydrogenase 1-like	-1.022873	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0151 41	GPD1L	glycerol-3-phosphate dehydrogenase 1-like	-0.844334	Inlier
siRNA Disorazole DMSO Run3	NM_0151 41	GPD1L	glycerol-3-phosphate dehydrogenase 1-like	-0.121344	Inlier
siRNA Disorazole DMSO Run1	NM_0151 41	GPD1L	glycerol-3-phosphate dehydrogenase 1-like	0.121344	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0151 41	GPD1L	glycerol-3-phosphate dehydrogenase 1-like	0.224727	Inlier
siRNA Disorazole DMSO Run2	NM_0151 41	GPD1L	glycerol-3-phosphate dehydrogenase 1-like	0.504666	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0151 41	GPD1L	glycerol-3-phosphate dehydrogenase 1-like	1.356921	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_000408	GPD2	glycerol-3-phosphate dehydrogenase 2 (mitochondrial)	-2.272242	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000408	GPD2	glycerol-3-phosphate dehydrogenase 2 (mitochondrial)	-1.056174	Inlier
siRNA Disorazole DMSO Run1	NM_000408	GPD2	glycerol-3-phosphate dehydrogenase 2 (mitochondrial)	-0.684326	Inlier
siRNA Disorazole DMSO Run2	NM_000408	GPD2	glycerol-3-phosphate dehydrogenase 2 (mitochondrial)	-0.057425	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000408	GPD2	glycerol-3-phosphate dehydrogenase 2 (mitochondrial)	0.057424	Inlier
siRNA Disorazole DMSO Run3	NM_000408	GPD2	glycerol-3-phosphate dehydrogenase 2 (mitochondrial)	0.43367	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000408	GPD2	glycerol-3-phosphate dehydrogenase 2 (mitochondrial)	0.664674	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_000408	GPD2	glycerol-3-phosphate dehydrogenase 2 (mitochondrial)	2.565209	Inlier
siRNA Disorazole DMSO Run3	NM_145171	GPHB5	glycoprotein hormone beta 5	-1.851932	Inlier
siRNA-Vinblastine Run2-DMSO	NM_145171	GPHB5	glycoprotein hormone beta 5	-0.956368	Inlier
siRNA-Temozolomide Run3-DMSO	NM_145171	GPHB5	glycoprotein hormone beta 5	-0.392632	Inlier
siRNA-Temozolomide Run2-DMSO	NM_145171	GPHB5	glycoprotein hormone beta 5	-0.25546	Inlier
siRNA Disorazole DMSO Run1	NM_145171	GPHB5	glycoprotein hormone beta 5	0.25546	Inlier
siRNA-Temozolomide Run1-DMSO	NM_145171	GPHB5	glycoprotein hormone beta 5	0.335457	Inlier
siRNA Disorazole DMSO Run2	NM_145171	GPHB5	glycoprotein hormone beta 5	5.047228	Outlier
siRNA-Vinblastine Run1-DMSO	NM_145171	GPHB5	glycoprotein hormone beta 5	5.412968	Outlier
siRNA-Temozolomide Run3-DMSO	NM_000175	GPI	glucose phosphate isomerase	-1.592174	Inlier
siRNA Disorazole DMSO Run3	NM_000175	GPI	glucose phosphate isomerase	-1.276802	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0001 75	GPI	glucose phosphate isomerase	-0.534053 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0001 75	GPI	glucose phosphate isomerase	-0.050641 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0001 75	GPI	glucose phosphate isomerase	0.050642 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0001 75	GPI	glucose phosphate isomerase	0.269663 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0001 75	GPI	glucose phosphate isomerase	0.814947 Inlier
siRNA Disorazole DMSO Run2	NM_0001 75	GPI	glucose phosphate isomerase	1.042309 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0015 03	GPLD1	glycosylph osphatidyli nositol specific phospholip ase D1	-0.68273 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0015 03	GPLD1	glycosylph osphatidyli nositol specific phospholip ase D1	-0.66627 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0015 03	GPLD1	glycosylph osphatidyli nositol specific phospholip ase D1	-0.144345 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_001503	GPLD1	glycosylphosphatidylinositol specific phospholipase D1	-0.049167	Inlier
siRNA Disorazole DMSO Run3	NM_001503	GPLD1	glycosylphosphatidylinositol specific phospholipase D1	0.049167	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001503	GPLD1	glycosylphosphatidylinositol specific phospholipase D1	0.858453	Inlier
siRNA Disorazole DMSO Run2	NM_001503	GPLD1	glycosylphosphatidylinositol specific phospholipase D1	1.947742	Inlier
siRNA Disorazole DMSO Run1	NM_001503	GPLD1	glycosylphosphatidylinositol specific phospholipase D1	4.162905	Outlier
siRNA-Temozolomide Run3-DMSO	NM_007223	GPR	GPR	-1.478741	Inlier
siRNA-Temozolomide Run2-DMSO	NM_007223	GPR	GPR	-0.754362	Inlier
siRNA-Temozolomide Run1-DMSO	NM_007223	GPR	GPR	-0.594638	Inlier
siRNA Disorazole DMSO Run1	NM_007223	GPR	GPR	-0.145799	Inlier
siRNA-Vinblastine Run2-DMSO	NM_007223	GPR	GPR	0.145799	Inlier
siRNA-Vinblastine Run1-DMSO	NM_007223	GPR	GPR	0.41753	Inlier
siRNA Disorazole DMSO Run2	NM_007223	GPR	GPR	1.052683	Inlier
siRNA Disorazole DMSO Run3	NM_007223	GPR	GPR	1.052911	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005279	GPR1	G protein-coupled receptor 1	-1.203661	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005279	GPR1	G protein-coupled receptor 1	-0.745885	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0052 79	GPR1	G protein-coupled receptor 1	-0.646677	Inlier
siRNA Disorazole DMSO Run3	NM_0052 79	GPR1	G protein-coupled receptor 1	-0.044938	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0052 79	GPR1	G protein-coupled receptor 1	0.044938	Inlier
siRNA Disorazole DMSO Run1	NM_0052 79	GPR1	G protein-coupled receptor 1	0.313892	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0052 79	GPR1	G protein-coupled receptor 1	0.702323	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0052 79	GPR1	G protein-coupled receptor 1	0.747407	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0042 48	GPR10	G protein-coupled receptor 10	-2.624378	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0042 48	GPR10	G protein-coupled receptor 10	-1.352558	Inlier
siRNA Disorazole DMSO Run2	NM_0042 48	GPR10	G protein-coupled receptor 10	-0.837865	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0042 48	GPR10	G protein-coupled receptor 10	-0.035578	Inlier
siRNA Disorazole DMSO Run1	NM_0042 48	GPR10	G protein-coupled receptor 10	0.035578	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0042 48	GPR10	G protein-coupled receptor 10	0.498824	Inlier
siRNA Disorazole DMSO Run3	NM_0042 48	GPR10	G protein-coupled receptor 10	0.511135	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0042 48	GPR10	G protein-coupled receptor 10	1.166923	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1818 85	GPR100	relaxin 3 receptor 2	-1.498242	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA-Temozolomide Run2-DMSO	NM_1818 85	GPR100	relaxin 3 receptor 2	-1.104332	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1818 85	GPR100	relaxin 3 receptor 2	-0.296519	Inlier
siRNA Disorazole DMSO Run2	NM_1818 85	GPR100	relaxin 3 receptor 2	-0.109799	Inlier
siRNA Disorazole DMSO Run3	NM_1818 85	GPR100	relaxin 3 receptor 2	0.109799	Inlier
siRNA Disorazole DMSO Run1	85	GPR100	receptor 2	0.385214	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1818 85	GPR100	relaxin 3 receptor 2	0.963786	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1818 85	GPR100	relaxin 3 receptor 2	1.009933	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0540 21	GPR101	G protein-coupled receptor 101	-0.883	Inlier
siRNA Disorazole DMSO Run2	NM_0540 21	GPR101	G protein-coupled receptor 101	-0.466	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0540 21	GPR101	G protein-coupled receptor 101	-0.233803	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0540 21	GPR101	G protein-coupled receptor 101	-0.073245	Inlier
siRNA Disorazole DMSO Run3	NM_0540 21	GPR101	G protein-coupled receptor 101	0.073245	Inlier
siRNA Disorazole DMSO Run1	NM_0540 21	GPR101	G protein-coupled receptor 101	0.898316	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0540 21	GPR101	G protein-coupled receptor 101	1.355747	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0540 21	GPR101	G protein-coupled receptor 101	1.812641	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1981 79	GPR103	G protein-coupled receptor 103	-1.111325	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Receptor	Protein	Correlation	Outlier Status
siRNA-Vinblastine Run2-DMSO	NM_198179	GPR103	G protein-coupled receptor 103	-0.929877	Inlier
siRNA-Temozolomide Run1-DMSO	NM_198179	GPR103	G protein-coupled receptor 103	-0.341138	Inlier
siRNA-Temozolomide Run3-DMSO	NM_198179	GPR103	G protein-coupled receptor 103	-0.103101	Inlier
siRNA Disorazole DMSO Run3	NM_198179	GPR103	G protein-coupled receptor 103	0.103101	Inlier
siRNA Disorazole DMSO Run1	NM_198179	GPR103	G protein-coupled receptor 103	0.419123	Inlier
siRNA-Vinblastine Run1-DMSO	NM_198179	GPR103	G protein-coupled receptor 103	1.42458	Inlier
siRNA Disorazole DMSO Run2	NM_198179	GPR103	G protein-coupled receptor 103	1.498656	Inlier
siRNA-Temozolomide Run2-DMSO	NM_020960	GPR107	G protein-coupled receptor 107	-0.737505	Inlier
siRNA Disorazole DMSO Run1	NM_020960	GPR107	G protein-coupled receptor 107	-0.611495	Inlier
siRNA-Temozolomide Run3-DMSO	NM_020960	GPR107	G protein-coupled receptor 107	-0.179022	Inlier
siRNA-Vinblastine Run2-DMSO	NM_020960	GPR107	G protein-coupled receptor 107	-0.112848	Inlier
siRNA-Temozolomide Run1-DMSO	NM_020960	GPR107	G protein-coupled receptor 107	0.112849	Inlier
siRNA Disorazole DMSO Run3	NM_020960	GPR107	G protein-coupled receptor 107	0.841008	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Protein	Value	Category
siRNA Disorazole DMSO Run2	NM_0209	60	GPR107	1.239808	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0209	60	GPR107	1.243145	Inlier
siRNA Disorazole DMSO Run1	XM_29085	4	GPR108	-2.145959	Inlier
siRNA-Temozolomide Run3-DMSO	XM_29085	4	GPR108	-0.609755	Inlier
siRNA-Temozolomide Run1-DMSO	XM_29085	4	GPR108	-0.606153	Inlier
siRNA-Temozolomide Run2-DMSO	XM_29085	4	GPR108	-0.442839	Inlier
siRNA-Vinblastine Run2-DMSO	XM_29085	4	GPR108	0.442839	Inlier
siRNA Disorazole DMSO Run3	XM_29085	4	GPR108	0.739245	Inlier
siRNA-Vinblastine Run1-DMSO	XM_29085	4	GPR108	1.13713	Inlier
siRNA Disorazole DMSO Run2	XM_29085	4	GPR108	2.42215	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1775	51	GPR109A	-1.642652	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1775	51	GPR109A	-0.852198	Inlier
siRNA Disorazole DMSO Run2	NM_1775	51	GPR109A	-0.11357	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Accession	Gene Name	Protein Name	Value	Category
siRNA-Temozolomide Run1-DMSO	NM_1775	51	GPR109A	109A	-0.047749	Inlier
siRNA Disorazole DMSO Run3	NM_1775	51	GPR109A	109A	0.047749	Inlier
siRNA Disorazole DMSO Run1	NM_1775	51	GPR109A	109A	0.496802	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1775	51	GPR109A	109A	0.969719	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1775	51	GPR109A	109A	1.602446	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1538	40	GPR110	110	-1.093491	Inlier
siRNA Disorazole DMSO Run2	NM_1538	40	GPR110	110	-0.731952	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1538	40	GPR110	110	-0.324686	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1538	40	GPR110	110	-0.172304	Inlier
siRNA Disorazole DMSO Run3	NM_1538	40	GPR110	110	0.172304	Inlier
siRNA Disorazole DMSO Run1	NM_1538	40	GPR110	110	0.617047	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1538	40	GPR110	110	0.843368	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1538	40	GPR110	110	0.968864	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Receptor	Value	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_1538 39	GPR111	111	-1.372552 Inlier
siRNA-Temozolomide Run3-DMSO	NM_1538 39	GPR111	111	-1.104434 Inlier
siRNA Disorazole DMSO Run2	NM_1538 39	GPR111	111	-0.436203 Inlier
siRNA-Temozolomide Run1-DMSO	NM_1538 39	GPR111	111	-0.328117 Inlier
siRNA Disorazole DMSO Run3	NM_1538 39	GPR111	111	0.328117 Inlier
siRNA Disorazole DMSO Run1	NM_1538 39	GPR111	111	0.525392 Inlier
siRNA-Vinblastine Run2-DMSO	NM_1538 39	GPR111	111	0.823608 Inlier
siRNA-Vinblastine Run1-DMSO	NM_1538 39	GPR111	111	0.872803 Inlier
siRNA Disorazole DMSO Run2	NM_1538 34	GPR112	112	-1.633827 Inlier
siRNA-Temozolomide Run3-DMSO	NM_1538 34	GPR112	112	-1.462444 Inlier
siRNA-Temozolomide Run2-DMSO	NM_1538 34	GPR112	112	-0.087219 Inlier
siRNA Disorazole DMSO Run3	NM_1538 34	GPR112	112	-0.042858 Inlier
siRNA-Temozolomide Run1-DMSO	NM_1538 34	GPR112	112	0.042858 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Protein	Value	Category
siRNA Disorazole DMSO Run1	NM_1538	34	GPR112	0.170991	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1538	34	GPR112	1.178009	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1538	34	GPR112	1.404752	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1538	35	GPR113	-1.841733	Inlier
siRNA Disorazole DMSO Run2	NM_1538	35	GPR113	-0.960251	Inlier
siRNA Disorazole DMSO Run3	NM_1538	35	GPR113	-0.388749	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1538	35	GPR113	-0.160549	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1538	35	GPR113	0.160549	Inlier
siRNA Disorazole DMSO Run1	NM_1538	35	GPR113	0.176449	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1538	35	GPR113	1.06714	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1538	35	GPR113	1.148786	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1538	37	GPR114	-1.566707	Inlier
siRNA Disorazole DMSO Run2	NM_1538	37	GPR114	-1.431229	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Receptor	Value	Outlier
siRNA-Temozolomide Run2-DMSO	NM_1538 37	GPR114	114	-0.499488 Inlier
siRNA Disorazole DMSO Run3	NM_1538 37	GPR114	114	-0.237644 Inlier
siRNA Disorazole DMSO Run1	NM_1538 37	GPR114	114	0.237644 Inlier
siRNA-Temozolomide Run1-DMSO	NM_1538 37	GPR114	114	0.30178 Inlier
siRNA-Vinblastine Run1-DMSO	NM_1538 37	GPR114	114	0.849512 Inlier
siRNA-Vinblastine Run2-DMSO	NM_1538 37	GPR114	114	0.994891 Inlier
siRNA-Temozolomide Run3-DMSO	NM_1538 38	GPR115	115	-1.76583 Inlier
siRNA-Temozolomide Run2-DMSO	NM_1538 38	GPR115	115	-0.934903 Inlier
siRNA Disorazole DMSO Run2	NM_1538 38	GPR115	115	-0.414097 Inlier
siRNA-Temozolomide Run1-DMSO	NM_1538 38	GPR115	115	-0.24914 Inlier
siRNA Disorazole DMSO Run3	NM_1538 38	GPR115	115	0.24914 Inlier
siRNA Disorazole DMSO Run1	NM_1538 38	GPR115	115	0.2627 Inlier
siRNA-Vinblastine Run2-DMSO	NM_1538 38	GPR115	115	1.069825 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Protein	Value	Category
siRNA-Vinblastine Run1-DMSO	NM_1538 38	GPR115	1.115957	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0152 34	GPR116	-1.212318	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0152 34	GPR116	-0.608547	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0152 34	GPR116	-0.370836	Inlier
siRNA Disorazole DMSO Run2	NM_0152 34	GPR116	-0.295253	Inlier
siRNA Disorazole DMSO Run1	NM_0152 34	GPR116	0.295253	Inlier
siRNA Disorazole DMSO Run3	NM_0152 34	GPR116	0.740453	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0152 34	GPR116	1.104506	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0152 34	GPR116	1.341761	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1784 71	GPR119	-0.786984	Inlier
siRNA Disorazole DMSO Run1	NM_1784 71	GPR119	-0.562016	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1784 71	GPR119	-0.038982	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1784 71	GPR119	-0.01152	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Receptor	Protein	Value	Outlier
siRNA-Vinblastine Run2-DMSO	NM_1784 71	GPR119	G protein-coupled receptor 119	0.01152	Inlier
siRNA Disorazole DMSO Run3	NM_1784 71	GPR119	G protein-coupled receptor 119	0.953606	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1784 71	GPR119	G protein-coupled receptor 119	1.532417	Inlier
siRNA Disorazole DMSO Run2	NM_1784 71	GPR119	G protein-coupled receptor 119	2.499776	Inlier
siRNA Disorazole DMSO Run2	NM_0052 88	GPR12	G protein-coupled receptor 12	-0.914102	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0052 88	GPR12	G protein-coupled receptor 12	-0.738668	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0052 88	GPR12	G protein-coupled receptor 12	-0.547268	Inlier
siRNA Disorazole DMSO Run3	NM_0052 88	GPR12	G protein-coupled receptor 12	-0.113456	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0052 88	GPR12	G protein-coupled receptor 12	0.113456	Inlier
siRNA Disorazole DMSO Run1	NM_0052 88	GPR12	G protein-coupled receptor 12	0.610332	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0052 88	GPR12	G protein-coupled receptor 12	1.29502	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0052 88	GPR12	G protein-coupled receptor 12	1.299143	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1817 45	GPR120	G protein-coupled receptor 120	-1.144656	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Protein	Value	Outlier
siRNA Disorazole DMSO Run3	NM_1817	45	GPR120	120	-0.73284 Inlier
siRNA Disorazole DMSO Run2	NM_1817	45	GPR120	120	-0.726332 Inlier
siRNA-Temozolomide Run2-DMSO	NM_1817	45	GPR120	120	-0.265191 Inlier
siRNA-Temozolomide Run1-DMSO	NM_1817	45	GPR120	120	0.265191 Inlier
siRNA Disorazole DMSO Run1	NM_1817	45	GPR120	120	0.31738 Inlier
siRNA-Vinblastine Run2-DMSO	NM_1817	45	GPR120	120	0.622667 Inlier
siRNA-Vinblastine Run1-DMSO	NM_1817	45	GPR120	120	0.922256 Inlier
siRNA Disorazole DMSO Run1	NM_0324	22	GPR123	123	-1.001732 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0324	22	GPR123	123	-0.943162 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0324	22	GPR123	123	-0.567923 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0324	22	GPR123	123	-0.117912 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0324	22	GPR123	123	0.117912 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0324	22	GPR123	123	0.577645 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Gene	Accession	Value	Category
siRNA Disorazole DMSO Run2	NM_0324	22	GPR123	123	0.771355	Inlier
siRNA Disorazole DMSO Run3	NM_0324	22	GPR123	123	1.079397	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0327	77	GPR124	124	-0.814882	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0327	77	GPR124	124	-0.534118	Inlier
siRNA Disorazole DMSO Run2	NM_0327	77	GPR124	124	-0.211376	Inlier
siRNA Disorazole DMSO Run3	NM_0327	77	GPR124	124	-0.067589	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0327	77	GPR124	124	0.067589	Inlier
siRNA Disorazole DMSO Run1	NM_0327	77	GPR124	124	1.759945	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0327	77	GPR124	124	2.471221	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0327	77	GPR124	124	2.479812	Inlier
siRNA Disorazole DMSO Run1	XM_29111	1	GPR125	125	-1.495692	Inlier
siRNA-Vinblastine Run2-DMSO	XM_29111	1	GPR125	125	-0.479607	Inlier
siRNA-Temozolomide Run3-DMSO	XM_29111	1	GPR125	125	-0.25569	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Protein	Value	Outlier	
siRNA-Temozolomide Run1-DMSO	XM_29111	1	GPR125	125	-0.072189	Inlier
siRNA Disorazole DMSO Run3	XM_29111	1	GPR125	125	0.07219	Inlier
siRNA-Temozolomide Run2-DMSO	XM_29111	1	GPR125	125	0.869393	Inlier
siRNA-Vinblastine Run1-DMSO	XM_29111	1	GPR125	125	2.155207	Inlier
siRNA Disorazole DMSO Run2	XM_29111	1	GPR125	125	2.807147	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0204	55	GPR126	126	-2.114812	Inlier
siRNA Disorazole DMSO Run3	NM_0204	55	GPR126	126	-1.02604	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0204	55	GPR126	126	-0.271903	Inlier
siRNA Disorazole DMSO Run2	NM_0204	55	GPR126	126	-0.24868	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0204	55	GPR126	126	0.248681	Inlier
siRNA Disorazole DMSO Run1	NM_0204	55	GPR126	126	0.32296	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0204	55	GPR126	126	1.235028	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0204	55	GPR126	126	1.289584	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Receptor	Protein	Value	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_0327 87	GPR128	G protein-coupled receptor 128	-1.107737	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0327 87	GPR128	G protein-coupled receptor 128	-0.621755	Inlier
siRNA Disorazole DMSO Run2	NM_0327 87	GPR128	G protein-coupled receptor 128	-0.422452	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0327 87	GPR128	G protein-coupled receptor 128	-0.206437	Inlier
siRNA Disorazole DMSO Run3	NM_0327 87	GPR128	G protein-coupled receptor 128	0.206437	Inlier
siRNA Disorazole DMSO Run1	NM_0327 87	GPR128	G protein-coupled receptor 128	0.727245	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0327 87	GPR128	G protein-coupled receptor 128	1.848689	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0327 87	GPR128	G protein-coupled receptor 128	2.018384	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0133 45	GPR132	G protein-coupled receptor 132	-0.693428	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0133 45	GPR132	G protein-coupled receptor 132	-0.655572	Inlier
siRNA Disorazole DMSO Run2	NM_0133 45	GPR132	G protein-coupled receptor 132	-0.466169	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0133 45	GPR132	G protein-coupled receptor 132	-0.090845	Inlier
siRNA Disorazole DMSO Run3	NM_0133 45	GPR132	G protein-coupled receptor 132	0.090845	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Protein	Value	Outlier
siRNA Disorazole DMSO Run1	NM_0133	45	GPR132	132	1.815982 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0133	45	GPR132	132	2.815266 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0133	45	GPR132	132	2.892189 Inlier
siRNA-Temozolomide Run3-DMSO	NM_1988	27	GPR133	133	-1.280133 Inlier
siRNA-Temozolomide Run2-DMSO	NM_1988	27	GPR133	133	-1.189355 Inlier
siRNA-Temozolomide Run1-DMSO	NM_1988	27	GPR133	133	-1.025752 Inlier
siRNA Disorazole DMSO Run1	NM_1988	27	GPR133	133	-0.360132 Inlier
siRNA-Vinblastine Run2-DMSO	NM_1988	27	GPR133	133	0.360132 Inlier
siRNA-Vinblastine Run1-DMSO	NM_1988	27	GPR133	133	0.41345 Inlier
siRNA Disorazole DMSO Run2	NM_1988	27	GPR133	133	0.610368 Inlier
siRNA Disorazole DMSO Run3	NM_1988	27	GPR133	133	0.738632 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0225	71	GPR135	135	-1.653437 Inlier
siRNA Disorazole DMSO Run3	NM_0225	71	GPR135	135	-0.708841 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Protein	Value	Category
siRNA Disorazole DMSO Run2	NM_0225	71	GPR135	-0.323161	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0225	71	GPR135	-0.2668	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0225	71	GPR135	0.2668	Inlier
siRNA Disorazole DMSO Run1	NM_0225	71	GPR135	0.640159	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0225	71	GPR135	1.209514	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0225	71	GPR135	1.910199	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010	02911	GPR139	-2.585955	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010	02911	GPR139	-2.298877	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010	02911	GPR139	-0.677901	Inlier
siRNA Disorazole DMSO Run1	NM_0010	02911	GPR139	-0.037608	Inlier
siRNA Disorazole DMSO Run2	NM_0010	02911	GPR139	0.037608	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010	02911	GPR139	0.314907	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010	02911	GPR139	0.671099	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Protein	Value	Category
siRNA Disorazole DMSO Run3	NM_0010 02911	GPR139	139	0.780993 Inlier
siRNA-Temozolomide Run3-DMSO	NM_1817 91	GPR141	141	-0.768579 Inlier
siRNA-Temozolomide Run1-DMSO	NM_1817 91	GPR141	141	-0.756012 Inlier
siRNA-Temozolomide Run2-DMSO	NM_1817 91	GPR141	141	-0.520812 Inlier
siRNA Disorazole DMSO Run1	NM_1817 91	GPR141	141	-0.504979 Inlier
siRNA Disorazole DMSO Run2	NM_1817 91	GPR141	141	0.504979 Inlier
siRNA-Vinblastine Run2-DMSO	NM_1817 91	GPR141	141	0.592988 Inlier
siRNA-Vinblastine Run1-DMSO	NM_1817 91	GPR141	141	1.235455 Inlier
siRNA Disorazole DMSO Run3	NM_1817 91	GPR141	141	2.861024 Inlier
siRNA-Temozolomide Run3-DMSO	NM_1817 90	GPR142	142	-3.880608 Outlier
siRNA-Temozolomide Run1-DMSO	NM_1817 90	GPR142	142	-0.798877 Inlier
siRNA-Temozolomide Run2-DMSO	NM_1817 90	GPR142	142	-0.218211 Inlier
siRNA Disorazole DMSO Run1	NM_1817 90	GPR142	142	-0.141834 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Receptor	Value	Category
siRNA Disorazole DMSO Run3	NM_1817 90	GPR142	0.141835	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1817 90	GPR142	0.550123	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1817 90	GPR142	2.202158	Inlier
siRNA Disorazole DMSO Run2	NM_1817 90	GPR142	3.704977	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0002 73	GPR143	-1.531376	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0002 73	GPR143	-1.056699	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0002 73	GPR143	-0.188077	Inlier
siRNA Disorazole DMSO Run1	NM_0002 73	GPR143	-0.094281	Inlier
siRNA Disorazole DMSO Run2	NM_0002 73	GPR143	0.09428	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0002 73	GPR143	0.536566	Inlier
siRNA Disorazole DMSO Run3	NM_0002 73	GPR143	0.812434	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0002 73	GPR143	0.883064	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1826 11	GPR144	-1.320593	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Protein	Value	Category
siRNA Disorazole DMSO Run1	NM_1826	11	GPR144	144	-0.516655 Inlier
siRNA-Temozolomide Run2-DMSO	NM_1826	11	GPR144	144	-0.383107 Inlier
siRNA Disorazole DMSO Run3	NM_1826	11	GPR144	144	-0.085761 Inlier
siRNA-Vinblastine Run2-DMSO	NM_1826	11	GPR144	144	0.08576 Inlier
siRNA-Temozolomide Run1-DMSO	NM_1826	11	GPR144	144	0.832345 Inlier
siRNA-Vinblastine Run1-DMSO	NM_1826	11	GPR144	144	12.22797 Outlier
siRNA Disorazole DMSO Run2	NM_1826	11	GPR144	144	13.7116 Outlier
siRNA-Temozolomide Run3-DMSO	NM_0325	03	GPR145	145	-1.336817 Inlier
siRNA Disorazole DMSO Run2	NM_0325	03	GPR145	145	-0.927526 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0325	03	GPR145	145	-0.017355 Inlier
siRNA Disorazole DMSO Run3	NM_0325	03	GPR145	145	-0.011009 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0325	03	GPR145	145	0.011009 Inlier
siRNA Disorazole DMSO Run1	NM_0325	03	GPR145	145	0.421474 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Receptor	Protein	Score	Outlier Status
siRNA-Vinblastine Run2-DMSO	NM_032503	GPR145	G protein-coupled receptor 145	1.211844	Inlier
siRNA-Vinblastine Run1-DMSO	NM_032503	GPR145	G protein-coupled receptor 145	1.457641	Inlier
siRNA-Temozolomide Run3-DMSO	NM_138445	GPR146	G protein-coupled receptor 146	-0.779312	Inlier
siRNA Disorazole DMSO Run2	NM_138445	GPR146	G protein-coupled receptor 146	-0.569688	Inlier
siRNA-Temozolomide Run1-DMSO	NM_138445	GPR146	G protein-coupled receptor 146	-0.240864	Inlier
siRNA-Temozolomide Run2-DMSO	NM_138445	GPR146	G protein-coupled receptor 146	-0.141723	Inlier
siRNA Disorazole DMSO Run3	NM_138445	GPR146	G protein-coupled receptor 146	0.141723	Inlier
siRNA Disorazole DMSO Run1	NM_138445	GPR146	G protein-coupled receptor 146	1.604665	Inlier
siRNA-Vinblastine Run2-DMSO	NM_138445	GPR146	G protein-coupled receptor 146	3.242954	Inlier
siRNA-Vinblastine Run1-DMSO	NM_138445	GPR146	G protein-coupled receptor 146	3.327715	Inlier
siRNA-Temozolomide Run3-DMSO	NM_022146	GPR147	G protein-coupled receptor 147	-3.098603	Inlier
siRNA-Temozolomide Run2-DMSO	NM_022146	GPR147	G protein-coupled receptor 147	-0.667788	Inlier
siRNA Disorazole DMSO Run1	NM_022146	GPR147	G protein-coupled receptor 147	-0.218984	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Receptor	Gene Name	Value	Outlier Status
siRNA-Temozolomide Run1-DMSO	NM_0221 46	GPR147	G protein-coupled receptor 147	-0.079885	Inlier
siRNA Disorazole DMSO Run2	NM_0221 46	GPR147	G protein-coupled receptor 147	0.079885	Inlier
siRNA Disorazole DMSO Run3	NM_0221 46	GPR147	G protein-coupled receptor 147	0.681212	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0221 46	GPR147	G protein-coupled receptor 147	1.384203	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0221 46	GPR147	G protein-coupled receptor 147	1.963098	Inlier
siRNA-Temozolomide Run3-DMSO	NM_2073 64	GPR148	G protein-coupled receptor 148	-0.993233	Inlier
siRNA Disorazole DMSO Run3	NM_2073 64	GPR148	G protein-coupled receptor 148	-0.355767	Inlier
siRNA Disorazole DMSO Run2	NM_2073 64	GPR148	G protein-coupled receptor 148	-0.317848	Inlier
siRNA-Temozolomide Run2-DMSO	NM_2073 64	GPR148	G protein-coupled receptor 148	-0.163077	Inlier
siRNA-Temozolomide Run1-DMSO	NM_2073 64	GPR148	G protein-coupled receptor 148	0.163077	Inlier
siRNA Disorazole DMSO Run1	NM_2073 64	GPR148	G protein-coupled receptor 148	1.133699	Inlier
siRNA-Vinblastine Run1-DMSO	NM_2073 64	GPR148	G protein-coupled receptor 148	1.301112	Inlier
siRNA-Vinblastine Run2-DMSO	NM_2073 64	GPR148	G protein-coupled receptor 148	1.450337	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Receptor	Protein	Value	Category
siRNA-Temozolomide Run3-DMSO	NM_0052 90	GPR15	15	-2.599226	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0052 90	GPR15	15	-0.745627	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0052 90	GPR15	15	-0.603373	Inlier
siRNA Disorazole DMSO Run1	NM_0052 90	GPR15	15	-0.312109	Inlier
siRNA Disorazole DMSO Run3	NM_0052 90	GPR15	15	0.312109	Inlier
siRNA Disorazole DMSO Run2	NM_0052 90	GPR15	15	0.508692	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0052 90	GPR15	15	0.902155	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0052 90	GPR15	15	0.979527	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1992 43	GPR150	150	-2.35384	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1992 43	GPR150	150	-1.437952	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1992 43	GPR150	150	-0.603854	Inlier
siRNA Disorazole DMSO Run1	NM_1992 43	GPR150	150	-0.512343	Inlier
siRNA Disorazole DMSO Run3	NM_1992 43	GPR150	150	0.512343	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Receptor	Value	Outlier Status
siRNA-Vinblastine Run2-DMSO	NM_1992 43	GPR150	150	0.637176 Inlier
siRNA Disorazole DMSO Run2	NM_1992 43	GPR150	150	0.711824 Inlier
siRNA-Vinblastine Run1-DMSO	NM_1992 43	GPR150	150	0.844921 Inlier
siRNA-Temozolomide Run3-DMSO	NM_1942 51	GPR151	151	-2.764394 Inlier
siRNA-Temozolomide Run1-DMSO	NM_1942 51	GPR151	151	-1.180399 Inlier
siRNA-Temozolomide Run2-DMSO	NM_1942 51	GPR151	151	-1.084949 Inlier
siRNA Disorazole DMSO Run2	NM_1942 51	GPR151	151	-0.148783 Inlier
siRNA Disorazole DMSO Run1	NM_1942 51	GPR151	151	0.148784 Inlier
siRNA-Vinblastine Run1-DMSO	NM_1942 51	GPR151	151	0.420708 Inlier
siRNA-Vinblastine Run2-DMSO	NM_1942 51	GPR151	151	0.559908 Inlier
siRNA Disorazole DMSO Run3	NM_1942 51	GPR151	151	0.789092 Inlier
siRNA-Temozolomide Run3-DMSO	NM_2069 97	GPR152	152	-1.153141 Inlier
siRNA-Temozolomide Run2-DMSO	NM_2069 97	GPR152	152	-0.666858 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Accession	Gene Name	Value	Category
siRNA-Temozolomide Run1-DMSO	NM_2069	97	GPR152	152	-0.48701 Inlier
siRNA Disorazole DMSO Run2	NM_2069	97	GPR152	152	-0.384534 Inlier
siRNA Disorazole DMSO Run3	NM_2069	97	GPR152	152	0.384534 Inlier
siRNA Disorazole DMSO Run1	NM_2069	97	GPR152	152	0.682142 Inlier
siRNA-Vinblastine Run2-DMSO	NM_2069	97	GPR152	152	1.033744 Inlier
siRNA-Vinblastine Run1-DMSO	NM_2069	97	GPR152	152	1.481632 Inlier
siRNA-Temozolomide Run3-DMSO	NM_2073	70	GPR153	153	-5.742466 Outlier
siRNA Disorazole DMSO Run3	NM_2073	70	GPR153	153	-0.746049 Inlier
siRNA-Temozolomide Run2-DMSO	NM_2073	70	GPR153	153	-0.361965 Inlier
siRNA-Temozolomide Run1-DMSO	NM_2073	70	GPR153	153	-0.062525 Inlier
siRNA Disorazole DMSO Run2	NM_2073	70	GPR153	153	0.062526 Inlier
siRNA Disorazole DMSO Run1	NM_2073	70	GPR153	153	0.602951 Inlier
siRNA-Vinblastine Run1-DMSO	NM_2073	70	GPR153	153	4.265888 Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Protein	Value	Category
siRNA-Vinblastine Run2-DMSO	NM_2073 70	GPR153	153	4.736226 Outlier
siRNA-Temozolomide Run3-DMSO	NM_2071 73	GPR154	154	-2.478187 Inlier
siRNA-Temozolomide Run1-DMSO	NM_2071 73	GPR154	154	-0.613229 Inlier
siRNA-Temozolomide Run2-DMSO	NM_2071 73	GPR154	154	-0.592237 Inlier
siRNA Disorazole DMSO Run2	NM_2071 73	GPR154	154	-0.175994 Inlier
siRNA Disorazole DMSO Run1	NM_2071 73	GPR154	154	0.175994 Inlier
siRNA-Vinblastine Run1-DMSO	NM_2071 73	GPR154	154	0.735771 Inlier
siRNA Disorazole DMSO Run3	NM_2071 73	GPR154	154	0.776963 Inlier
siRNA-Vinblastine Run2-DMSO	NM_2071 73	GPR154	154	0.985418 Inlier
siRNA-Temozolomide Run3-DMSO	NM_1525 29	GPR155	155	-2.381301 Inlier
siRNA-Temozolomide Run2-DMSO	NM_1525 29	GPR155	155	-0.951574 Inlier
siRNA-Temozolomide Run1-DMSO	NM_1525 29	GPR155	155	-0.187818 Inlier
siRNA Disorazole DMSO Run2	NM_1525 29	GPR155	155	-0.012112 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Protein	Value	Category
siRNA Disorazole DMSO Run3	NM_1525 29	GPR155	0.012112	Inlier
siRNA Disorazole DMSO Run1	NM_1525 29	GPR155	0.397426	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1525 29	GPR155	1.455853	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1525 29	GPR155	1.778665	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1530 02	GPR156	-1.658001	Inlier
siRNA Disorazole DMSO Run2	NM_1530 02	GPR156	-0.486604	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1530 02	GPR156	-0.420842	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1530 02	GPR156	-0.340443	Inlier
siRNA Disorazole DMSO Run1	NM_1530 02	GPR156	0.340443	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1530 02	GPR156	0.862396	Inlier
siRNA Disorazole DMSO Run3	NM_1530 02	GPR156	1.074206	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1530 02	GPR156	1.249113	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0249 80	GPR157	-2.916912	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein	Value	Outlier Status
siRNA-Temozolomide Run1-DMSO	NM_0249 80	GPR157	G protein-coupled receptor 157	-0.740915	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0249 80	GPR157	G protein-coupled receptor 157	-0.568935	Inlier
siRNA Disorazole DMSO Run2	NM_0249 80	GPR157	G protein-coupled receptor 157	-0.163281	Inlier
siRNA Disorazole DMSO Run1	NM_0249 80	GPR157	G protein-coupled receptor 157	0.163281	Inlier
siRNA Disorazole DMSO Run3	NM_0249 80	GPR157	G protein-coupled receptor 157	0.608085	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0249 80	GPR157	G protein-coupled receptor 157	1.067807	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0249 80	GPR157	G protein-coupled receptor 157	1.802481	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0207 52	GPR158	G protein-coupled receptor 158	-2.019689	Inlier
siRNA Disorazole DMSO Run2	NM_0207 52	GPR158	G protein-coupled receptor 158	-0.672976	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0207 52	GPR158	G protein-coupled receptor 158	-0.059996	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0207 52	GPR158	G protein-coupled receptor 158	-0.001086	Inlier
siRNA Disorazole DMSO Run1	NM_0207 52	GPR158	G protein-coupled receptor 158	0.001086	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0207 52	GPR158	G protein-coupled receptor 158	0.676024	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Gene	Accession	Value	Category
siRNA Disorazole DMSO Run3	NM_0207	52	GPR158	158	0.735824	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0207	52	GPR158	158	1.035201	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010	04334	GPR158L	GPR158-like 1	-1.079597	Inlier
siRNA Disorazole DMSO Run3	NM_0010	04334	GPR158L	GPR158-like 1	-0.677437	Inlier
siRNA Disorazole DMSO Run2	NM_0010	04334	GPR158L	GPR158-like 1	-0.671563	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010	04334	GPR158L	GPR158-like 1	-0.05488	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010	04334	GPR158L	GPR158-like 1	0.05488	Inlier
siRNA Disorazole DMSO Run1	NM_0010	04334	GPR158L	GPR158-like 1	0.342782	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010	04334	GPR158L	GPR158-like 1	0.886307	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010	04334	GPR158L	GPR158-like 1	1.098048	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0143	73	GPR160	160	-1.982099	Inlier
siRNA Disorazole DMSO Run2	NM_0143	73	GPR160	160	-1.398793	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0143	73	GPR160	160	-0.424225	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0143	73	GPR160	160	-0.061741	Inlier
siRNA Disorazole DMSO Run3	NM_0143	73	GPR160	160	0.061741	Inlier
siRNA Disorazole DMSO Run1	NM_0143	73	GPR160	160	0.264012	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0143	73	GPR160	160	0.924775	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Protein	Receptor	Value	Outlier
siRNA-Vinblastine Run2-DMSO	NM_0143 73	GPR160	160	0.929943	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1538 32	GPR161	161	-2.158877	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1538 32	GPR161	161	-0.8239	Inlier
siRNA Disorazole DMSO Run3	NM_1538 32	GPR161	161	-0.442314	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1538 32	GPR161	161	-0.113839	Inlier
siRNA Disorazole DMSO Run2	NM_1538 32	GPR161	161	0.113838	Inlier
siRNA Disorazole DMSO Run1	NM_1538 32	GPR161	161	0.5251	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1538 32	GPR161	161	1.328553	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1538 32	GPR161	161	1.48464	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0052 91	GPR17	17	-1.766076	Inlier
siRNA Disorazole DMSO Run2	NM_0052 91	GPR17	17	-1.254958	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0052 91	GPR17	17	-0.372762	Inlier
siRNA Disorazole DMSO Run3	NM_0052 91	GPR17	17	-0.249162	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Receptor	Gene Name	Value	Outlier Status
siRNA-Temozolomide Run1-DMSO	NM_005291	GPR17	G protein-coupled receptor 17	0.249162	Inlier
siRNA Disorazole DMSO Run1	NM_005291	GPR17	G protein-coupled receptor 17	0.256452	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005291	GPR17	G protein-coupled receptor 17	0.976238	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005291	GPR17	G protein-coupled receptor 17	1.058335	Inlier
siRNA-Temozolomide Run3-DMSO	NM_013308	GPR171	G protein-coupled receptor 171	-0.972052	Inlier
siRNA Disorazole DMSO Run2	NM_013308	GPR171	G protein-coupled receptor 171	-0.745381	Inlier
siRNA Disorazole DMSO Run3	NM_013308	GPR171	G protein-coupled receptor 171	-0.554538	Inlier
siRNA-Temozolomide Run2-DMSO	NM_013308	GPR171	G protein-coupled receptor 171	-0.098325	Inlier
siRNA-Temozolomide Run1-DMSO	NM_013308	GPR171	G protein-coupled receptor 171	0.098325	Inlier
siRNA Disorazole DMSO Run1	NM_013308	GPR171	G protein-coupled receptor 171	0.603619	Inlier
siRNA-Vinblastine Run2-DMSO	NM_013308	GPR171	G protein-coupled receptor 171	1.074029	Inlier
siRNA-Vinblastine Run1-DMSO	NM_013308	GPR171	G protein-coupled receptor 171	1.177911	Inlier
siRNA-Temozolomide Run3-DMSO	NM_024531	GPR172A	G protein-coupled receptor 172A	-2.058405	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Receptor	Protein	Value	Category
siRNA-Temozolomide Run2-DMSO	NM_0245 31	GPR172A	G protein-coupled receptor 172A	-0.71185	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0245 31	GPR172A	G protein-coupled receptor 172A	-0.709212	Inlier
siRNA Disorazole DMSO Run2	NM_0245 31	GPR172A	G protein-coupled receptor 172A	-0.101473	Inlier
siRNA Disorazole DMSO Run3	NM_0245 31	GPR172A	G protein-coupled receptor 172A	0.101472	Inlier
siRNA Disorazole DMSO Run1	NM_0245 31	GPR172A	G protein-coupled receptor 172A	0.386703	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0245 31	GPR172A	G protein-coupled receptor 172A	0.64649	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0245 31	GPR172A	G protein-coupled receptor 172A	0.70251	Inlier
siRNA Disorazole DMSO Run2	NM_0179 86	GPR172B	G protein-coupled receptor 172B	-1.005765	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0179 86	GPR172B	G protein-coupled receptor 172B	-0.913892	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0179 86	GPR172B	G protein-coupled receptor 172B	-0.107237	Inlier
siRNA Disorazole DMSO Run3	NM_0179 86	GPR172B	G protein-coupled receptor 172B	-0.02985	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0179 86	GPR172B	G protein-coupled receptor 172B	0.02985	Inlier
siRNA Disorazole DMSO Run1	NM_0179 86	GPR172B	G protein-coupled receptor 172B	0.515683	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Gene	Accession	Value	Outlier
siRNA-Vinblastine Run2-DMSO	NM_0179	86	GPR172B	172B	0.833317	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0179	86	GPR172B	172B	0.92299	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0189	69	GPR173	173	-1.498926	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0189	69	GPR173	173	-1.442548	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0189	69	GPR173	173	-0.274832	Inlier
siRNA Disorazole DMSO Run2	NM_0189	69	GPR173	173	-0.057731	Inlier
siRNA Disorazole DMSO Run1	NM_0189	69	GPR173	173	0.057732	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0189	69	GPR173	173	0.612752	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0189	69	GPR173	173	0.736248	Inlier
siRNA Disorazole DMSO Run3	NM_0189	69	GPR173	173	1.714354	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0325	53	GPR174	174	-1.203503	Inlier
siRNA Disorazole DMSO Run2	NM_0325	53	GPR174	174	-0.798997	Inlier
siRNA Disorazole DMSO Run3	NM_0325	53	GPR174	174	-0.276288	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Receptor	Protein	Value	Outlier
siRNA-Temozolomide Run1-DMSO	NM_0325 53	GPR174	G protein-coupled receptor 174	-0.023291	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0325 53	GPR174	G protein-coupled receptor 174	0.023291	Inlier
siRNA Disorazole DMSO Run1	NM_0325 53	GPR174	G protein-coupled receptor 174	0.550003	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0325 53	GPR174	G protein-coupled receptor 174	0.939024	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0325 53	GPR174	G protein-coupled receptor 174	0.964185	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0052 92	GPR18	G protein-coupled receptor 18	-1.674798	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0052 92	GPR18	G protein-coupled receptor 18	-0.726359	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0052 92	GPR18	G protein-coupled receptor 18	-0.242286	Inlier
siRNA Disorazole DMSO Run2	NM_0052 92	GPR18	G protein-coupled receptor 18	-0.023393	Inlier
siRNA Disorazole DMSO Run1	NM_0052 92	GPR18	G protein-coupled receptor 18	0.023392	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0052 92	GPR18	G protein-coupled receptor 18	0.651494	Inlier
siRNA Disorazole DMSO Run3	NM_0052 92	GPR18	G protein-coupled receptor 18	0.697506	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0052 92	GPR18	G protein-coupled receptor 18	0.906136	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0061 43	GPR19	G protein-coupled receptor 19	-0.995427 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0061 43	GPR19	G protein-coupled receptor 19	-0.578522 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0061 43	GPR19	G protein-coupled receptor 19	-0.319086 Inlier
siRNA Disorazole DMSO Run2	NM_0061 43	GPR19	G protein-coupled receptor 19	-0.085185 Inlier
siRNA Disorazole DMSO Run1	NM_0061 43	GPR19	G protein-coupled receptor 19	0.085185 Inlier
siRNA Disorazole DMSO Run3	NM_0061 43	GPR19	G protein-coupled receptor 19	0.770478 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0061 43	GPR19	G protein-coupled receptor 19	1.083813 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0061 43	GPR19	G protein-coupled receptor 19	1.15162 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0166 02	GPR2	chemokine (C-C motif) receptor 10	-1.01332 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0166 02	GPR2	chemokine (C-C motif) receptor 10	-0.557034 Inlier
siRNA Disorazole DMSO Run2	NM_0166 02	GPR2	chemokine (C-C motif) receptor 10	-0.062441 Inlier
siRNA Disorazole DMSO Run3	NM_0166 02	GPR2	chemokine (C-C motif) receptor 10	-0.028952 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_016602	GPR2	chemokine (C-C motif) receptor 10	0.028952	Inlier
siRNA Disorazole DMSO Run1	NM_016602	GPR2	chemokine (C-C motif) receptor 10	0.791966	Inlier
siRNA-Vinblastine Run1-DMSO	NM_016602	GPR2	chemokine (C-C motif) receptor 10	1.531656	Inlier
siRNA-Vinblastine Run2-DMSO	NM_016602	GPR2	chemokine (C-C motif) receptor 10	1.533498	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005293	GPR20	G protein-coupled receptor 20	-2.271656	Inlier
siRNA Disorazole DMSO Run2	NM_005293	GPR20	G protein-coupled receptor 20	-1.491919	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005293	GPR20	G protein-coupled receptor 20	-0.243724	Inlier
siRNA Disorazole DMSO Run3	NM_005293	GPR20	G protein-coupled receptor 20	-0.027808	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005293	GPR20	G protein-coupled receptor 20	0.027808	Inlier
siRNA Disorazole DMSO Run1	NM_005293	GPR20	G protein-coupled receptor 20	0.279697	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005293	GPR20	G protein-coupled receptor 20	1.069303	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005293	GPR20	G protein-coupled receptor 20	1.082986	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Receptor	Protein	Value	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_005294	GPR21	G protein-coupled receptor 21	-2.349732	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005294	GPR21	G protein-coupled receptor 21	-0.492629	Inlier
siRNA Disorazole DMSO Run3	NM_005294	GPR21	G protein-coupled receptor 21	-0.268341	Inlier
siRNA Disorazole DMSO Run2	NM_005294	GPR21	G protein-coupled receptor 21	-0.18699	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005294	GPR21	G protein-coupled receptor 21	0.186989	Inlier
siRNA Disorazole DMSO Run1	NM_005294	GPR21	G protein-coupled receptor 21	0.856371	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005294	GPR21	G protein-coupled receptor 21	1.231434	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005294	GPR21	G protein-coupled receptor 21	1.302036	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005295	GPR22	G protein-coupled receptor 22	-1.329245	Inlier
siRNA Disorazole DMSO Run2	NM_005295	GPR22	G protein-coupled receptor 22	-0.190309	Inlier
siRNA Disorazole DMSO Run3	NM_005295	GPR22	G protein-coupled receptor 22	-0.153965	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005295	GPR22	G protein-coupled receptor 22	-0.015262	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005295	GPR22	G protein-coupled receptor 22	0.015262	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Receptor	Value	Outlier
siRNA Disorazole DMSO Run1	NM_0052 95	GPR22	22	1.158691 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0052 95	GPR22	22	1.5619 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0052 95	GPR22	22	1.922878 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0052 96	GPR23	23	-2.599257 Inlier
siRNA Disorazole DMSO Run2	NM_0052 96	GPR23	23	-0.808573 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0052 96	GPR23	23	-0.540427 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0052 96	GPR23	23	-0.102238 Inlier
siRNA Disorazole DMSO Run3	NM_0052 96	GPR23	23	0.102238 Inlier
siRNA Disorazole DMSO Run1	NM_0052 96	GPR23	23	0.331464 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0052 96	GPR23	23	1.279757 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0052 96	GPR23	23	1.471774 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0052 97	GPR24	24	-2.427604 Inlier
siRNA Disorazole DMSO Run3	NM_0052 97	GPR24	24	-0.769079 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Receptor	Value	Outlier
siRNA Disorazole DMSO Run2	NM_0052 97	GPR24	24	-0.259641 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0052 97	GPR24	24	-0.187484 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0052 97	GPR24	24	0.187484 Inlier
siRNA Disorazole DMSO Run1	NM_0052 97	GPR24	24	0.579921 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0052 97	GPR24	24	1.135979 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0052 97	GPR24	24	1.641198 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0052 98	GPR25	25	-2.470882 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0052 98	GPR25	25	-0.861656 Inlier
siRNA Disorazole DMSO Run1	NM_0052 98	GPR25	25	-0.364322 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0052 98	GPR25	25	-0.066736 Inlier
siRNA Disorazole DMSO Run2	NM_0052 98	GPR25	25	0.066736 Inlier
siRNA Disorazole DMSO Run3	NM_0052 98	GPR25	25	0.487344 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0052 98	GPR25	25	1.493851 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Receptor	Value	Outlier
siRNA-Vinblastine Run1-DMSO	NM_005298	GPR25	25	1.8993 Inlier
siRNA-Temozolomide Run3-DMSO	NM_153442	GPR26	26	-1.7774 Inlier
siRNA Disorazole DMSO Run2	NM_153442	GPR26	26	-1.114837 Inlier
siRNA Disorazole DMSO Run3	NM_153442	GPR26	26	-0.39994 Inlier
siRNA-Temozolomide Run1-DMSO	NM_153442	GPR26	26	-0.055419 Inlier
siRNA-Temozolomide Run2-DMSO	NM_153442	GPR26	26	0.055419 Inlier
siRNA Disorazole DMSO Run1	NM_153442	GPR26	26	0.161683 Inlier
siRNA-Vinblastine Run2-DMSO	NM_153442	GPR26	26	0.94906 Inlier
siRNA-Vinblastine Run1-DMSO	NM_153442	GPR26	26	1.145336 Inlier
siRNA Disorazole DMSO Run2	NM_018971	GPR27	27	-1.723399 Inlier
siRNA-Temozolomide Run3-DMSO	NM_018971	GPR27	27	-1.300905 Inlier
siRNA Disorazole DMSO Run3	NM_018971	GPR27	27	-0.205564 Inlier
siRNA Disorazole DMSO Run1	NM_018971	GPR27	27	-0.037954 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Treatment	Gene	Protein	Receptor	Value	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0189 71	GPR27	G protein-coupled receptor 27	0.037954	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0189 71	GPR27	G protein-coupled receptor 27	0.269191	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0189 71	GPR27	G protein-coupled receptor 27	1.079809	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0189 71	GPR27	G protein-coupled receptor 27	1.21843	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0052 81	GPR3	G protein-coupled receptor 3	-0.836305	Inlier
siRNA Disorazole DMSO Run1	NM_0052 81	GPR3	G protein-coupled receptor 3	-0.512695	Inlier
siRNA Disorazole DMSO Run2	NM_0052 81	GPR3	G protein-coupled receptor 3	-0.363071	Inlier
siRNA Disorazole DMSO Run3	NM_0052 81	GPR3	G protein-coupled receptor 3	-0.05493	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0052 81	GPR3	G protein-coupled receptor 3	0.054928	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0052 81	GPR3	G protein-coupled receptor 3	1.684315	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0052 81	GPR3	G protein-coupled receptor 3	1.687685	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0052 81	GPR3	G protein-coupled receptor 3	1.690586	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0015 05	GPR30	G protein-coupled receptor 30	-0.930837	Inlier
siRNA Disorazole DMSO Run3	NM_0015 05	GPR30	G protein-coupled receptor 30	-0.556713	Inlier
siRNA Disorazole DMSO Run2	NM_0015 05	GPR30	G protein-coupled receptor 30	-0.487652	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Receptor	Value	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_001505	GPR30	30	-0.329112 Inlier
siRNA-Temozolomide Run1-DMSO	NM_001505	GPR30	30	0.329112 Inlier
siRNA Disorazole DMSO Run1	NM_001505	GPR30	30	0.792287 Inlier
siRNA-Vinblastine Run2-DMSO	NM_001505	GPR30	30	1.287723 Inlier
siRNA-Vinblastine Run1-DMSO	NM_001505	GPR30	30	1.387524 Inlier
siRNA-Temozolomide Run3-DMSO	NM_005299	GPR31	31	-2.898365 Inlier
siRNA-Temozolomide Run2-DMSO	NM_005299	GPR31	31	-1.590724 Inlier
siRNA-Temozolomide Run1-DMSO	NM_005299	GPR31	31	-0.955996 Inlier
siRNA Disorazole DMSO Run1	NM_005299	GPR31	31	-0.013213 Inlier
siRNA Disorazole DMSO Run3	NM_005299	GPR31	31	0.013214 Inlier
siRNA-Vinblastine Run2-DMSO	NM_005299	GPR31	31	0.349966 Inlier
siRNA-Vinblastine Run1-DMSO	NM_005299	GPR31	31	0.393004 Inlier
siRNA Disorazole DMSO Run2	NM_005299	GPR31	31	2.115212 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Target	Value	Outlier
siRNA Disorazole DMSO Run2	NM_001506	GPR32	-0.760452	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001506	GPR32	-0.588548	Inlier
siRNA Disorazole DMSO Run1	NM_001506	GPR32	-0.483962	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001506	GPR32	-0.231688	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001506	GPR32	0.231689	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001506	GPR32	0.780042	Inlier
siRNA Disorazole DMSO Run3	NM_001506	GPR32	0.799392	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001506	GPR32	0.799985	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005300	GPR34	-2.335283	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005300	GPR34	-1.252679	Inlier
siRNA Disorazole DMSO Run2	NM_005300	GPR34	-0.577559	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005300	GPR34	-0.235464	Inlier
siRNA Disorazole DMSO Run3	NM_005300	GPR34	0.235464	Inlier

G protein-coupled receptor

G protein-coupled receptor

G protein-coupled receptor

G protein-coupled receptor

G protein-coupled receptor

G protein-coupled receptor

G protein-coupled receptor

G protein-coupled receptor

G protein-coupled receptor

G protein-coupled receptor

G protein-coupled receptor

G protein-coupled receptor

G protein-coupled receptor

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0053 00	GPR34	G protein-coupled receptor 34	0.238831	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0053 00	GPR34	G protein-coupled receptor 34	0.771441	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0053 00	GPR34	G protein-coupled receptor 34	1.404649	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0053 01	GPR35	G protein-coupled receptor 35	-1.55642	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0053 01	GPR35	G protein-coupled receptor 35	-1.216997	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0053 01	GPR35	G protein-coupled receptor 35	-0.141377	Inlier
siRNA Disorazole DMSO Run2	NM_0053 01	GPR35	G protein-coupled receptor 35	-0.118955	Inlier
siRNA Disorazole DMSO Run1	NM_0053 01	GPR35	G protein-coupled receptor 35	0.118955	Inlier
siRNA Disorazole DMSO Run3	NM_0053 01	GPR35	G protein-coupled receptor 35	0.367663	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0053 01	GPR35	G protein-coupled receptor 35	0.981337	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0053 01	GPR35	G protein-coupled receptor 35	1.238292	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0053 02	GPR37	G protein-coupled receptor 37 (endothelin receptor type B-like)	-1.794913	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Value	Category
siRNA-Temozolomide Run2-DMSO	NM_005302	GPR37	G protein-coupled receptor 37 (endothelin receptor type B-like)	-0.902822	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005302	GPR37	G protein-coupled receptor 37 (endothelin receptor type B-like)	-0.48328	Inlier
siRNA Disorazole DMSO Run1	NM_005302	GPR37	G protein-coupled receptor 37 (endothelin receptor type B-like)	-0.146772	Inlier
siRNA Disorazole DMSO Run3	NM_005302	GPR37	G protein-coupled receptor 37 (endothelin receptor type B-like)	0.146772	Inlier
siRNA Disorazole DMSO Run2	NM_005302	GPR37	G protein-coupled receptor 37 (endothelin receptor type B-like)	0.642556	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005302	GPR37	G protein-coupled receptor 37 (endothelin receptor type B-like)	0.706444	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log2 Fold Change	Inlier Status
siRNA-Vinblastine Run1-DMSO	NM_005302	GPR37	G protein-coupled receptor 37 (endothelin receptor type B-like)	1.113643	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004767	GPR37L1	G-protein coupled receptor 37 like 1	-1.84587	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004767	GPR37L1	G-protein coupled receptor 37 like 1	-0.775836	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004767	GPR37L1	G-protein coupled receptor 37 like 1	-0.534973	Inlier
siRNA Disorazole DMSO Run1	NM_004767	GPR37L1	G-protein coupled receptor 37 like 1	-0.196741	Inlier
siRNA Disorazole DMSO Run2	NM_004767	GPR37L1	G-protein coupled receptor 37 like 1	0.196741	Inlier
siRNA Disorazole DMSO Run3	NM_004767	GPR37L1	G-protein coupled receptor 37 like 1	0.573164	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004767	GPR37L1	G-protein coupled receptor 37 like 1	0.972928	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004767	GPR37L1	G-protein coupled receptor 37 like 1	1.252064	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001508	GPR39	G protein-coupled receptor 39	-2.797336	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001508	GPR39	G protein-coupled receptor 39	-1.524915	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001508	GPR39	G protein-coupled receptor 39	-0.61852	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Protein	Value	Category
siRNA Disorazole DMSO Run1	GPR39	NM_001508	G protein-coupled receptor 39	-0.063464	Inlier
siRNA-Vinblastine Run2-DMSO	GPR39	NM_001508	G protein-coupled receptor 39	0.063464	Inlier
siRNA Disorazole DMSO Run2	GPR39	NM_001508	G protein-coupled receptor 39	0.582443	Inlier
siRNA-Vinblastine Run1-DMSO	GPR39	NM_001508	G protein-coupled receptor 39	0.73048	Inlier
siRNA Disorazole DMSO Run3	GPR39	NM_001508	G protein-coupled receptor 39	1.626264	Inlier
siRNA-Temozolomide Run3-DMSO	GPR4	NM_005282	G protein-coupled receptor 4	-1.251292	Inlier
siRNA Disorazole DMSO Run2	GPR4	NM_005282	G protein-coupled receptor 4	-0.510331	Inlier
siRNA-Temozolomide Run1-DMSO	GPR4	NM_005282	G protein-coupled receptor 4	-0.378646	Inlier
siRNA-Temozolomide Run2-DMSO	GPR4	NM_005282	G protein-coupled receptor 4	-0.333253	Inlier
siRNA Disorazole DMSO Run3	GPR4	NM_005282	G protein-coupled receptor 4	0.333254	Inlier
siRNA Disorazole DMSO Run1	GPR4	NM_005282	G protein-coupled receptor 4	0.838669	Inlier
siRNA-Vinblastine Run2-DMSO	GPR4	NM_005282	G protein-coupled receptor 4	0.879037	Inlier
siRNA-Vinblastine Run1-DMSO	GPR4	NM_005282	G protein-coupled receptor 4	1.66749	Inlier
siRNA-Temozolomide Run3-DMSO	GPR40	NM_005303	G protein-coupled receptor 40	-0.999835	Inlier
siRNA-Temozolomide Run2-DMSO	GPR40	NM_005303	G protein-coupled receptor 40	-0.349165	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Protein	Value	Category
siRNA Disorazole DMSO Run3	NM_0053 03	GPR40	40	-0.308951 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0053 03	GPR40	40	-0.037376 Inlier
siRNA Disorazole DMSO Run2	NM_0053 03	GPR40	40	0.037376 Inlier
siRNA Disorazole DMSO Run1	NM_0053 03	GPR40	40	1.06138 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0053 03	GPR40	40	2.092385 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0053 03	GPR40	40	2.479848 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0053 04	GPR41	41	-2.897538 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0053 04	GPR41	41	-0.879137 Inlier
siRNA Disorazole DMSO Run2	NM_0053 04	GPR41	41	-0.263829 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0053 04	GPR41	41	-0.167816 Inlier
siRNA Disorazole DMSO Run3	NM_0053 04	GPR41	41	0.167817 Inlier
siRNA Disorazole DMSO Run1	NM_0053 04	GPR41	41	0.469863 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0053 04	GPR41	41	1.774564 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Receptor	Value	Outlier Status
siRNA-Vinblastine Run2-DMSO	NM_005304	GPR41	G protein-coupled receptor 41	2.258134	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005305	GPR42	G protein-coupled receptor 42	-1.066854	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005305	GPR42	G protein-coupled receptor 42	-0.696851	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005305	GPR42	G protein-coupled receptor 42	-0.652149	Inlier
siRNA Disorazole DMSO Run3	NM_005305	GPR42	G protein-coupled receptor 42	-0.052651	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005305	GPR42	G protein-coupled receptor 42	0.052651	Inlier
siRNA Disorazole DMSO Run1	NM_005305	GPR42	G protein-coupled receptor 42	0.3451	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005305	GPR42	G protein-coupled receptor 42	2.324713	Inlier
siRNA Disorazole DMSO Run2	NM_005305	GPR42	G protein-coupled receptor 42	2.597645	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005306	GPR43	G protein-coupled receptor 43	-0.861262	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005306	GPR43	G protein-coupled receptor 43	-0.64984	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005306	GPR43	G protein-coupled receptor 43	-0.649168	Inlier
siRNA Disorazole DMSO Run1	NM_005306	GPR43	G protein-coupled receptor 43	-0.415436	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Receptor	Value	Outlier
siRNA Disorazole DMSO Run2	NM_0053 06	GPR43	43	0.415436 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0053 06	GPR43	43	0.69916 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0053 06	GPR43	43	1.462392 Inlier
siRNA Disorazole DMSO Run3	NM_0053 06	GPR43	43	2.039936 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0047 78	GPR44	44	-0.720342 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0047 78	GPR44	44	-0.716855 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0047 78	GPR44	44	-0.632145 Inlier
siRNA Disorazole DMSO Run1	NM_0047 78	GPR44	44	-0.247385 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0047 78	GPR44	44	0.247386 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0047 78	GPR44	44	0.386365 Inlier
siRNA Disorazole DMSO Run3	NM_0047 78	GPR44	44	1.325622 Inlier
siRNA Disorazole DMSO Run2	NM_0047 78	GPR44	44	1.352616 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0072 27	GPR45	45	-1.672767 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0072 27	GPR45	G protein-coupled receptor 45	-1.317563	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0072 27	GPR45	G protein-coupled receptor 45	-1.140809	Inlier
siRNA Disorazole DMSO Run2	NM_0072 27	GPR45	G protein-coupled receptor 45	-0.1261	Inlier
siRNA Disorazole DMSO Run3	NM_0072 27	GPR45	G protein-coupled receptor 45	0.1261	Inlier
siRNA Disorazole DMSO Run1	NM_0072 27	GPR45	G protein-coupled receptor 45	0.250124	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0072 27	GPR45	G protein-coupled receptor 45	0.539023	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0072 27	GPR45	G protein-coupled receptor 45	0.809977	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0184 90	GPR48	leucine-rich repeat-containing G protein-coupled receptor 4	-3.264713	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0184 90	GPR48	leucine-rich repeat-containing G protein-coupled receptor 4	-0.479931	Inlier
siRNA Disorazole DMSO Run2	NM_0184 90	GPR48	leucine-rich repeat-containing G protein-coupled receptor 4	-0.467878	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0184 90	GPR48	leucine-rich repeat-containing G protein-coupled receptor 4	-0.024912	Inlier
siRNA Disorazole DMSO Run3	NM_0184 90	GPR48	leucine-rich repeat-containing G protein-coupled receptor 4	0.024912	Inlier
siRNA Disorazole DMSO Run1	NM_0184 90	GPR48	leucine-rich repeat-containing G protein-coupled receptor 4	0.869069	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0184 90	GPR48	leucine-rich repeat-containing G protein-coupled receptor 4	2.239034	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0184 90	GPR48	leucine-rich repeat-containing G protein-coupled receptor 4	2.514153	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0036 67	GPR49	leucine-rich repeat-containing G protein-coupled receptor 5	-1.380097	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0036 67	GPR49	leucine-rich repeat-containing G protein-coupled receptor 5	-0.53357	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0036 67	GPR49	leucine-rich repeat-containing G protein-coupled receptor 5	-0.315732	Inlier
siRNA Disorazole DMSO Run2	NM_0036 67	GPR49	leucine-rich repeat-containing G protein-coupled receptor 5	-0.259182	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0036 67	GPR49	leucine-rich repeat-containing G protein-coupled receptor 5	0.259183	Inlier
siRNA Disorazole DMSO Run3	NM_0036 67	GPR49	leucine-rich repeat-containing G protein-coupled receptor 5	0.81543	Inlier
siRNA Disorazole DMSO Run1	NM_0036 67	GPR49	leucine-rich repeat-containing G protein-coupled receptor 5	1.01308	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0036 67	GPR49	leucine-rich repeat-containing G protein-coupled receptor 5	1.080781	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0042 24	GPR50	leucine-rich repeat-containing G protein-coupled receptor 50	-0.867624	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0042 24	GPR50	leucine-rich repeat-containing G protein-coupled receptor 50	-0.703962	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0042 24	GPR50	G protein-coupled receptor 50	-0.645038	Inlier
siRNA Disorazole DMSO Run2	NM_0042 24	GPR50	G protein-coupled receptor 50	-0.05811	Inlier
siRNA Disorazole DMSO Run1	NM_0042 24	GPR50	G protein-coupled receptor 50	0.058111	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0042 24	GPR50	G protein-coupled receptor 50	0.387828	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0042 24	GPR50	G protein-coupled receptor 50	0.889096	Inlier
siRNA Disorazole DMSO Run3	NM_0042 24	GPR50	G protein-coupled receptor 50	1.213497	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0054 58	GPR51	G protein-coupled receptor 51	-1.843356	Inlier
siRNA Disorazole DMSO Run1	NM_0054 58	GPR51	G protein-coupled receptor 51	-0.505359	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0054 58	GPR51	G protein-coupled receptor 51	-0.446519	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0054 58	GPR51	G protein-coupled receptor 51	-0.300253	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0054 58	GPR51	G protein-coupled receptor 51	0.300253	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0054 58	GPR51	G protein-coupled receptor 51	0.843641	Inlier
siRNA Disorazole DMSO Run3	NM_0054 58	GPR51	G protein-coupled receptor 51	1.857032	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Accession	Value	Outlier Status
siRNA Disorazole DMSO Run2	NM_0054	GPR51	51	2.679982	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0056	GPR52	52	-2.366004	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0056	GPR52	52	-0.994771	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0056	GPR52	52	-0.494874	Inlier
siRNA Disorazole DMSO Run2	NM_0056	GPR52	52	-0.097999	Inlier
siRNA Disorazole DMSO Run1	NM_0056	GPR52	52	0.098	Inlier
siRNA Disorazole DMSO Run3	NM_0056	GPR52	52	0.443904	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0056	GPR52	52	0.854126	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0056	GPR52	52	1.119338	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0325	GPR54	54	-2.571759	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0325	GPR54	54	-0.984933	Inlier
siRNA Disorazole DMSO Run2	NM_0325	GPR54	54	-0.141678	Inlier
siRNA Disorazole DMSO Run1	NM_0325	GPR54	54	-0.028098	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Receptor	Protein	Value	Category
siRNA-Temozolomide Run1-DMSO	NM_0325 51	GPR54	G protein-coupled receptor 54	0.028098	Inlier
siRNA Disorazole DMSO Run3	NM_0325 51	GPR54	G protein-coupled receptor 54	0.418002	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0325 51	GPR54	G protein-coupled receptor 54	0.930998	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0325 51	GPR54	G protein-coupled receptor 54	0.972473	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0056 83	GPR55	G protein-coupled receptor 55	-4.059987	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0056 83	GPR55	G protein-coupled receptor 55	-1.280228	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0056 83	GPR55	G protein-coupled receptor 55	-0.64256	Inlier
siRNA Disorazole DMSO Run2	NM_0056 83	GPR55	G protein-coupled receptor 55	-0.310902	Inlier
siRNA Disorazole DMSO Run1	NM_0056 83	GPR55	G protein-coupled receptor 55	0.310902	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0056 83	GPR55	G protein-coupled receptor 55	0.406849	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0056 83	GPR55	G protein-coupled receptor 55	0.70644	Inlier
siRNA Disorazole DMSO Run3	NM_0056 83	GPR55	G protein-coupled receptor 55	2.258905	Inlier
siRNA-Temozolomide Run3-DMSO	NM_2015 24	GPR56	G protein-coupled receptor 56	-1.42469	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Run	Gene	Receptor	Value	Outlier
siRNA-Temozolomide Run1-DMSO	NM_2015 24	GPR56	G protein-coupled receptor 56	-0.734713	Inlier
siRNA-Temozolomide Run2-DMSO	NM_2015 24	GPR56	G protein-coupled receptor 56	-0.614287	Inlier
siRNA Disorazole DMSO Run1	NM_2015 24	GPR56	G protein-coupled receptor 56	-0.003077	Inlier
siRNA-Vinblastine Run2-DMSO	NM_2015 24	GPR56	G protein-coupled receptor 56	0.003077	Inlier
siRNA Disorazole DMSO Run2	NM_2015 24	GPR56	G protein-coupled receptor 56	0.280757	Inlier
siRNA-Vinblastine Run1-DMSO	NM_2015 24	GPR56	G protein-coupled receptor 56	1.028636	Inlier
siRNA Disorazole DMSO Run3	NM_2015 24	GPR56	G protein-coupled receptor 56	1.333631	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0146 26	GPR58	G protein-coupled receptor 58	-2.84432	Inlier
siRNA Disorazole DMSO Run2	NM_0146 26	GPR58	G protein-coupled receptor 58	-0.931462	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0146 26	GPR58	G protein-coupled receptor 58	-0.344054	Inlier
siRNA Disorazole DMSO Run3	NM_0146 26	GPR58	G protein-coupled receptor 58	-0.125124	Inlier
siRNA Disorazole DMSO Run1	NM_0146 26	GPR58	G protein-coupled receptor 58	0.125125	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0146 26	GPR58	G protein-coupled receptor 58	0.417538	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Value	Category
siRNA-Vinblastine Run2-DMSO	NM_0146 26	GPR58	G protein-coupled receptor 58	1.219547	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0146 26	GPR58	G protein-coupled receptor 58	1.917957	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0052 84	GPR6	G protein-coupled receptor 6	-3.636243	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0052 84	GPR6	G protein-coupled receptor 6	-1.729073	Inlier
siRNA Disorazole DMSO Run2	NM_0052 84	GPR6	G protein-coupled receptor 6	-0.394636	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0052 84	GPR6	G protein-coupled receptor 6	-0.251604	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0052 84	GPR6	G protein-coupled receptor 6	0.251604	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0052 84	GPR6	G protein-coupled receptor 6	0.58518	Inlier
siRNA Disorazole DMSO Run1	NM_0052 84	GPR6	G protein-coupled receptor 6	0.76382	Inlier
siRNA Disorazole DMSO Run3	NM_0052 84	GPR6	G protein-coupled receptor 6	6.760107	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0319 36	GPR61	G protein-coupled receptor 61	-0.75473	Inlier
siRNA Disorazole DMSO Run2	NM_0319 36	GPR61	G protein-coupled receptor 61	-0.59427	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0319 36	GPR61	G protein-coupled receptor 61	-0.333482	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0319 36	GPR61	G protein-coupled receptor 61	-0.192321	Inlier
siRNA Disorazole DMSO Run3	NM_0319 36	GPR61	G protein-coupled receptor 61	0.192321	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Protein	Receptor	Value	Category
siRNA Disorazole DMSO Run1	NM_0319 36	GPR61	G protein-coupled receptor 61	2.060714	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0319 36	GPR61	G protein-coupled receptor 61	3.064924	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0319 36	GPR61	G protein-coupled receptor 61	3.186304	Inlier
siRNA Disorazole DMSO Run2	NM_0808 65	GPR62	G protein-coupled receptor 62	-0.850126	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0808 65	GPR62	G protein-coupled receptor 62	-0.797575	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0808 65	GPR62	G protein-coupled receptor 62	-0.098904	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0808 65	GPR62	G protein-coupled receptor 62	-0.084658	Inlier
siRNA Disorazole DMSO Run3	NM_0808 65	GPR62	G protein-coupled receptor 62	0.084658	Inlier
siRNA Disorazole DMSO Run1	NM_0808 65	GPR62	G protein-coupled receptor 62	0.551425	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0808 65	GPR62	G protein-coupled receptor 62	1.265476	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0808 65	GPR62	G protein-coupled receptor 62	1.307757	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0307 84	GPR63	G protein-coupled receptor 63	-0.896673	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0307 84	GPR63	G protein-coupled receptor 63	-0.842094	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Gene	Accession	Value	Category
siRNA Disorazole DMSO Run2	NM_0307	84	GPR63	63	-0.638836	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0307	84	GPR63	63	-0.315255	Inlier
siRNA Disorazole DMSO Run1	NM_0307	84	GPR63	63	0.315255	Inlier
siRNA Disorazole DMSO Run3	NM_0307	84	GPR63	63	0.493686	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0307	84	GPR63	63	0.710164	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0307	84	GPR63	63	0.916359	Inlier
siRNA Disorazole DMSO Run2	NM_0057	56	GPR64	64	-0.726736	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0057	56	GPR64	64	-0.720103	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0057	56	GPR64	64	-0.60342	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0057	56	GPR64	64	-0.582613	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0057	56	GPR64	64	0.582613	Inlier
siRNA Disorazole DMSO Run3	NM_0057	56	GPR64	64	0.628897	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0057	56	GPR64	64	0.741407	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Receptor	Value	Outlier Status
siRNA Disorazole DMSO Run1	NM_0057 56	GPR64	64	0.764939 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0036 08	GPR65	65	-0.960209 Inlier
siRNA Disorazole DMSO Run3	NM_0036 08	GPR65	65	-0.692092 Inlier
siRNA Disorazole DMSO Run2	NM_0036 08	GPR65	65	-0.626512 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0036 08	GPR65	65	-0.006119 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0036 08	GPR65	65	0.006119 Inlier
siRNA Disorazole DMSO Run1	NM_0036 08	GPR65	65	0.656908 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0036 08	GPR65	65	1.26177 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0036 08	GPR65	65	1.288008 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0034 85	GPR68	68	-0.982505 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0034 85	GPR68	68	-0.859864 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0034 85	GPR68	68	-0.080445 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0034 85	GPR68	68	-0.073275 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Gene	Gene	Value	Category
siRNA Disorazole DMSO Run2	NM_0034	85	GPR68	G protein-coupled receptor 68	0.073275	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0034	85	GPR68	G protein-coupled receptor 68	0.490885	Inlier
siRNA Disorazole DMSO Run1	NM_0034	85	GPR68	G protein-coupled receptor 68	0.858115	Inlier
siRNA Disorazole DMSO Run3	NM_0034	85	GPR68	G protein-coupled receptor 68	0.969417	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0052	85	GPR7	G protein-coupled receptor 7	-1.118169	Inlier
siRNA Disorazole DMSO Run3	NM_0052	85	GPR7	G protein-coupled receptor 7	-0.230831	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0052	85	GPR7	G protein-coupled receptor 7	-0.150897	Inlier
siRNA Disorazole DMSO Run2	NM_0052	85	GPR7	G protein-coupled receptor 7	-0.060612	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0052	85	GPR7	G protein-coupled receptor 7	0.060612	Inlier
siRNA Disorazole DMSO Run1	NM_0052	85	GPR7	G protein-coupled receptor 7	2.298504	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0052	85	GPR7	G protein-coupled receptor 7	4.151987	Outlier
siRNA-Vinblastine Run2-DMSO	NM_0052	85	GPR7	G protein-coupled receptor 7	4.346103	Outlier
siRNA-Temozolomide Run3-DMSO	NM_1389	64	GPR73	G protein-coupled receptor 73	-1.956843	Inlier
siRNA Disorazole DMSO Run2	NM_1389	64	GPR73	G protein-coupled receptor 73	-1.041819	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1389	64	GPR73	G protein-coupled receptor 73	-0.541775	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Value	Outlier Status
siRNA-Temozolomide Run1-DMSO	NM_1389 64	GPR73	G protein-coupled receptor 73	-0.54043	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1389 64	GPR73	G protein-coupled receptor 73	0.54043	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1389 64	GPR73	G protein-coupled receptor 73	0.657195	Inlier
siRNA Disorazole DMSO Run3	NM_1389 64	GPR73	G protein-coupled receptor 73	0.691805	Inlier
siRNA Disorazole DMSO Run1	NM_1389 64	GPR73	G protein-coupled receptor 73	0.697379	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1447 73	GPR73L1	G protein-coupled receptor 73-like 1	-1.847574	Inlier
siRNA Disorazole DMSO Run2	NM_1447 73	GPR73L1	G protein-coupled receptor 73-like 1	-1.41943	Inlier
siRNA Disorazole DMSO Run3	NM_1447 73	GPR73L1	G protein-coupled receptor 73-like 1	-0.345511	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1447 73	GPR73L1	G protein-coupled receptor 73-like 1	-0.120747	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1447 73	GPR73L1	G protein-coupled receptor 73-like 1	0.120747	Inlier
siRNA Disorazole DMSO Run1	NM_1447 73	GPR73L1	G protein-coupled receptor 73-like 1	0.528458	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1447 73	GPR73L1	G protein-coupled receptor 73-like 1	0.820542	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1447 73	GPR73L1	G protein-coupled receptor 73-like 1	1.127706	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein ID	Protein Name	Value	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_0530 36	GPR74	74	G protein-coupled receptor	-2.739818	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0530 36	GPR74	74	G protein-coupled receptor	-0.914851	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0530 36	GPR74	74	G protein-coupled receptor	-0.387394	Inlier
siRNA Disorazole DMSO Run2	NM_0530 36	GPR74	74	G protein-coupled receptor	-0.121072	Inlier
siRNA Disorazole DMSO Run3	NM_0530 36	GPR74	74	G protein-coupled receptor	0.121072	Inlier
siRNA Disorazole DMSO Run1	NM_0530 36	GPR74	74	G protein-coupled receptor	0.434148	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0530 36	GPR74	74	G protein-coupled receptor	1.295163	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0530 36	GPR74	74	G protein-coupled receptor	1.481166	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0067 94	GPR75	75	G protein-coupled receptor	-1.407745	Inlier
siRNA Disorazole DMSO Run2	NM_0067 94	GPR75	75	G protein-coupled receptor	-0.624735	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0067 94	GPR75	75	G protein-coupled receptor	-0.410402	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0067 94	GPR75	75	G protein-coupled receptor	-0.355906	Inlier
siRNA Disorazole DMSO Run3	NM_0067 94	GPR75	75	G protein-coupled receptor	0.355906	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Protein	Value	Outlier
siRNA Disorazole DMSO Run1	NM_0067 94	GPR75	75	0.724265 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0067 94	GPR75	75	1.779273 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0067 94	GPR75	75	2.014008 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0184 85	GPR77	77	-1.491871 Inlier
siRNA Disorazole DMSO Run2	NM_0184 85	GPR77	77	-0.742624 Inlier
siRNA Disorazole DMSO Run1	NM_0184 85	GPR77	77	-0.031915 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0184 85	GPR77	77	-0.000101 Inlier
siRNA Disorazole DMSO Run3	NM_0184 85	GPR77	77	0.000102 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0184 85	GPR77	77	0.606376 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0184 85	GPR77	77	2.378351 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0184 85	GPR77	77	2.389222 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0808 19	GPR78	78	-3.404814 Inlier
siRNA Disorazole DMSO Run2	NM_0808 19	GPR78	78	-0.742976 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Receptor	Protein	Value	Category
siRNA-Temozolomide Run1-DMSO	NM_0808 19	GPR78	G protein-coupled receptor 78	-0.606024	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0808 19	GPR78	G protein-coupled receptor 78	-0.349697	Inlier
siRNA Disorazole DMSO Run1	NM_0808 19	GPR78	G protein-coupled receptor 78	0.349698	Inlier
siRNA Disorazole DMSO Run3	NM_0808 19	GPR78	G protein-coupled receptor 78	0.414938	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0808 19	GPR78	G protein-coupled receptor 78	1.35513	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0808 19	GPR78	G protein-coupled receptor 78	2.515388	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0052 86	GPR8	G protein-coupled receptor 8	-3.575534	Outlier
siRNA Disorazole DMSO Run2	NM_0052 86	GPR8	G protein-coupled receptor 8	-0.749099	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0052 86	GPR8	G protein-coupled receptor 8	-0.599901	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0052 86	GPR8	G protein-coupled receptor 8	-0.13707	Inlier
siRNA Disorazole DMSO Run1	NM_0052 86	GPR8	G protein-coupled receptor 8	0.137071	Inlier
siRNA Disorazole DMSO Run3	NM_0052 86	GPR8	G protein-coupled receptor 8	0.172965	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0052 86	GPR8	G protein-coupled receptor 8	2.968745	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0052 86	GPR8	G protein-coupled receptor 8	3.654775	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0325 54	GPR81	G protein-coupled receptor 81	-1.358861	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Protein	Value	Outlier
siRNA Disorazole DMSO Run2	NM_0325 54	GPR81	81	-1.129589 Inlier
siRNA Disorazole DMSO Run3	NM_0325 54	GPR81	81	-0.380371 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0325 54	GPR81	81	-0.013044 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0325 54	GPR81	81	0.013044 Inlier
siRNA Disorazole DMSO Run1	NM_0325 54	GPR81	81	0.096377 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0325 54	GPR81	81	0.968629 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0325 54	GPR81	81	1.167309 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0808 17	GPR82	82	-1.813599 Inlier
siRNA Disorazole DMSO Run2	NM_0808 17	GPR82	82	-0.89578 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0808 17	GPR82	82	-0.290792 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0808 17	GPR82	82	-0.01448 Inlier
siRNA Disorazole DMSO Run3	NM_0808 17	GPR82	82	0.01448 Inlier
siRNA Disorazole DMSO Run1	NM_0808 17	GPR82	82	0.45322 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Receptor	Protein	Value	Category
siRNA-Vinblastine Run2-DMSO	NM_0808 17	GPR82	G protein-coupled receptor 82	1.80607	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0808 17	GPR82	G protein-coupled receptor 82	2.246784	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0165 40	GPR83	G protein-coupled receptor 83	-2.294597	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0165 40	GPR83	G protein-coupled receptor 83	-0.687064	Inlier
siRNA Disorazole DMSO Run2	NM_0165 40	GPR83	G protein-coupled receptor 83	-0.661936	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0165 40	GPR83	G protein-coupled receptor 83	-0.154651	Inlier
siRNA Disorazole DMSO Run1	NM_0165 40	GPR83	G protein-coupled receptor 83	0.154651	Inlier
siRNA Disorazole DMSO Run3	NM_0165 40	GPR83	G protein-coupled receptor 83	0.316655	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0165 40	GPR83	G protein-coupled receptor 83	0.86019	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0165 40	GPR83	G protein-coupled receptor 83	1.301739	Inlier
siRNA Disorazole DMSO Run2	NM_0203 70	GPR84	G protein-coupled receptor 84	-1.12389	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0203 70	GPR84	G protein-coupled receptor 84	-0.810156	Inlier
siRNA Disorazole DMSO Run3	NM_0203 70	GPR84	G protein-coupled receptor 84	-0.556844	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Target	Receptor	Value	Category
siRNA-Temozolomide Run2-DMSO	NM_020370	GPR84	G protein-coupled receptor 84	-0.132327	Inlier
siRNA-Temozolomide Run1-DMSO	NM_020370	GPR84	G protein-coupled receptor 84	0.132327	Inlier
siRNA Disorazole DMSO Run1	NM_020370	GPR84	G protein-coupled receptor 84	0.384128	Inlier
siRNA-Vinblastine Run2-DMSO	NM_020370	GPR84	G protein-coupled receptor 84	0.792156	Inlier
siRNA-Vinblastine Run1-DMSO	NM_020370	GPR84	G protein-coupled receptor 84	0.79673	Inlier
siRNA-Temozolomide Run3-DMSO	NM_018970	GPR85	G protein-coupled receptor 85	-7.444452	Outlier
siRNA Disorazole DMSO Run2	NM_018970	GPR85	G protein-coupled receptor 85	-5.370107	Outlier
siRNA-Temozolomide Run1-DMSO	NM_018970	GPR85	G protein-coupled receptor 85	-3.335863	Inlier
siRNA-Vinblastine Run1-DMSO	NM_018970	GPR85	G protein-coupled receptor 85	-0.052231	Inlier
siRNA-Temozolomide Run2-DMSO	NM_018970	GPR85	G protein-coupled receptor 85	0.052234	Inlier
siRNA Disorazole DMSO Run1	NM_018970	GPR85	G protein-coupled receptor 85	0.15097	Inlier
siRNA Disorazole DMSO Run3	NM_018970	GPR85	G protein-coupled receptor 85	0.535592	Inlier
siRNA-Vinblastine Run2-DMSO	NM_018970	GPR85	G protein-coupled receptor 85	0.813408	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Receptor	Value	Outlier	
siRNA-Temozolomide Run3-DMSO	NM_0239	15	GPR87	87	-0.721729	Inlier
siRNA Disorazole DMSO Run3	NM_0239	15	GPR87	87	-0.627271	Inlier
siRNA Disorazole DMSO Run2	NM_0239	15	GPR87	87	-0.387781	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0239	15	GPR87	87	-0.362954	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0239	15	GPR87	87	0.362954	Inlier
siRNA Disorazole DMSO Run1	NM_0239	15	GPR87	87	1.004352	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0239	15	GPR87	87	1.825324	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0239	15	GPR87	87	1.836837	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0220	49	GPR88	88	-1.300433	Inlier
siRNA Disorazole DMSO Run2	NM_0220	49	GPR88	88	-0.7963	Inlier
siRNA Disorazole DMSO Run3	NM_0220	49	GPR88	88	-0.202991	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0220	49	GPR88	88	-0.108815	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0220	49	GPR88	88	0.108815	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Receptor	Value	Outlier
siRNA Disorazole DMSO Run1	NM_0220	49	GPR88	88	0.5527 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0220	49	GPR88	88	1.023498 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0220	49	GPR88	88	1.180082 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0163	34	GPR89	89	-1.702794 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0163	34	GPR89	89	-1.142168 Inlier
siRNA Disorazole DMSO Run1	NM_0163	34	GPR89	89	-0.473525 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0163	34	GPR89	89	-0.006356 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0163	34	GPR89	89	0.006356 Inlier
siRNA Disorazole DMSO Run3	NM_0163	34	GPR89	89	0.538669 Inlier
siRNA Disorazole DMSO Run2	NM_0163	34	GPR89	89	0.810331 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0163	34	GPR89	89	1.072685 Inlier
siRNA Disorazole DMSO Run2	NM_0204	00	GPR92	92	-3.071153 Inlier
siRNA Disorazole DMSO Run1	NM_0204	00	GPR92	92	-1.958095 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Receptor	Protein	Value	Outlier
siRNA-Temozolomide Run1-DMSO	NM_020400	GPR92	G protein-coupled receptor 92	-0.672417	Inlier
siRNA-Temozolomide Run2-DMSO	NM_020400	GPR92	G protein-coupled receptor 92	-0.661872	Inlier
siRNA-Vinblastine Run1-DMSO	NM_020400	GPR92	G protein-coupled receptor 92	0.661871	Inlier
siRNA-Vinblastine Run2-DMSO	NM_020400	GPR92	G protein-coupled receptor 92	0.663114	Inlier
siRNA-Temozolomide Run3-DMSO	NM_020400	GPR92	G protein-coupled receptor 92	0.676583	Inlier
siRNA Disorazole DMSO Run3	NM_020400	GPR92	G protein-coupled receptor 92	2.86985	Inlier
siRNA-Temozolomide Run3-DMSO	NM_170776	GPR97	G protein-coupled receptor 97	-2.816879	Inlier
siRNA-Temozolomide Run2-DMSO	NM_170776	GPR97	G protein-coupled receptor 97	-0.833017	Inlier
siRNA-Temozolomide Run1-DMSO	NM_170776	GPR97	G protein-coupled receptor 97	-0.47098	Inlier
siRNA Disorazole DMSO Run2	NM_170776	GPR97	G protein-coupled receptor 97	-0.159251	Inlier
siRNA Disorazole DMSO Run1	NM_170776	GPR97	G protein-coupled receptor 97	0.15925	Inlier
siRNA-Vinblastine Run2-DMSO	NM_170776	GPR97	G protein-coupled receptor 97	0.638414	Inlier
siRNA-Vinblastine Run1-DMSO	NM_170776	GPR97	G protein-coupled receptor 97	0.710586	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Drug	Run	Gene	Protein	Z-score	Inlier	
siRNA Disorazole	DMSO	Run3	NM_1707 76	GPR97	97	1.402664	Inlier
siRNA-Temozolomide	Run3-DMSO		NM_0162 35	GPRC5B	G protein-coupled receptor, family C, group 5, member B	-1.668426	Inlier
siRNA-Temozolomide	Run2-DMSO		NM_0162 35	GPRC5B	G protein-coupled receptor, family C, group 5, member B	-0.695034	Inlier
siRNA Disorazole	DMSO	Run3	NM_0162 35	GPRC5B	G protein-coupled receptor, family C, group 5, member B	-0.559602	Inlier
siRNA-Temozolomide	Run1-DMSO		NM_0162 35	GPRC5B	G protein-coupled receptor, family C, group 5, member B	-0.262484	Inlier
siRNA Disorazole	DMSO	Run2	NM_0162 35	GPRC5B	G protein-coupled receptor, family C, group 5, member B	0.262484	Inlier
siRNA Disorazole	DMSO	Run1	NM_0162 35	GPRC5B	G protein-coupled receptor, family C, group 5, member B	0.653966	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_016235	GPRC5B	G protein-coupled receptor, family C, group 5, member B	2.187615	Inlier
siRNA-Vinblastine Run2-DMSO	NM_016235	GPRC5B	G protein-coupled receptor, family C, group 5, member B	2.66407	Inlier
siRNA-Temozolomide Run3-DMSO	NM_022036	GPRC5C	G protein-coupled receptor, family C, group 5, member C	-2.055237	Inlier
siRNA-Temozolomide Run1-DMSO	NM_022036	GPRC5C	G protein-coupled receptor, family C, group 5, member C	-0.29429	Inlier
siRNA Disorazole DMSO Run3	NM_022036	GPRC5C	G protein-coupled receptor, family C, group 5, member C	-0.206816	Inlier
siRNA Disorazole DMSO Run2	NM_022036	GPRC5C	G protein-coupled receptor, family C, group 5, member C	-0.201036	Inlier
siRNA-Temozolomide Run2-DMSO	NM_022036	GPRC5C	G protein-coupled receptor, family C, group 5, member C	0.201037	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0220 36	GPRC5C	G protein-coupled receptor, family C, group 5, member C	1.05471	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0220 36	GPRC5C	G protein-coupled receptor, family C, group 5, member C	2.992378	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0220 36	GPRC5C	G protein-coupled receptor, family C, group 5, member C	3.062538	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0186 54	GPRC5D	G protein-coupled receptor, family C, group 5, member D	-2.459371	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0186 54	GPRC5D	G protein-coupled receptor, family C, group 5, member D	-1.927414	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0186 54	GPRC5D	G protein-coupled receptor, family C, group 5, member D	-0.776365	Inlier
siRNA Disorazole DMSO Run1	NM_0186 54	GPRC5D	G protein-coupled receptor, family C, group 5, member D	-0.457184	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0186 54	GPRC5D	G protein-coupled receptor, family C, group 5, member D	0.457184	Inlier
siRNA Disorazole DMSO Run2	NM_0186 54	GPRC5D	G protein-coupled receptor, family C, group 5, member D	0.489208	Inlier
siRNA Disorazole DMSO Run3	NM_0186 54	GPRC5D	G protein-coupled receptor, family C, group 5, member D	0.580293	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0186 54	GPRC5D	G protein-coupled receptor, family C, group 5, member D	0.768707	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1489 63	GPRC6A	G protein-coupled receptor, family C, group 6, member A	-1.997134	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1489 63	GPRC6A	G protein-coupled receptor, family C, group 6, member A	-0.446958	Inlier
siRNA Disorazole DMSO Run2	NM_1489 63	GPRC6A	G protein-coupled receptor, family C, group 6, member A	-0.155809	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1489 63	GPRC6A	G protein-coupled receptor, family C, group 6, member A	-0.072035	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1489 63	GPRC6A	G protein-coupled receptor, family C, group 6, member A	0.072035	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1489 63	GPRC6A	G protein-coupled receptor, family C, group 6, member A	0.902042	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1489 63	GPRC6A	G protein-coupled receptor, family C, group 6, member A	1.076	Inlier
siRNA Disorazole DMSO Run3	NM_1489 63	GPRC6A	G protein-coupled receptor, family C, group 6, member A	1.144251	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0053 09	GPT	glutamic-pyruvate transaminase (alanine aminotransferase)	-1.302068	Inlier
siRNA Disorazole DMSO Run1	NM_0053 09	GPT	glutamic-pyruvate transaminase (alanine aminotransferase)	-0.702734	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_005309	GPT	glutamic-pyruvate transaminase (alanine aminotransferase)	-0.565925	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005309	GPT	glutamic-pyruvate transaminase (alanine aminotransferase)	-0.164847	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005309	GPT	glutamic-pyruvate transaminase (alanine aminotransferase)	0.164846	Inlier
siRNA Disorazole DMSO Run3	NM_005309	GPT	glutamic-pyruvate transaminase (alanine aminotransferase)	0.646266	Inlier
siRNA Disorazole DMSO Run2	NM_005309	GPT	glutamic-pyruvate transaminase (alanine aminotransferase)	1.499354	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005309	GPT	glutamic pyruvate transaminase (alanine aminotransferase)	2.126428	Inlier
siRNA-Temozolomide Run2-DMSO	NM_133443	GPT2	glutamic pyruvate transaminase (alanine aminotransferase) 2	-1.283084	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_1334 43	GPT2	glutamic pyruvate transamin ase (alanine aminotran sferase) 2	-1.146939	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1334 43	GPT2	glutamic pyruvate transamin ase (alanine aminotran sferase) 2	-0.471057	Inlier
siRNA Disorazole DMSO Run3	NM_1334 43	GPT2	glutamic pyruvate transamin ase (alanine aminotran sferase) 2	-0.033114	Inlier
siRNA Disorazole DMSO Run1	NM_1334 43	GPT2	glutamic pyruvate transamin ase (alanine aminotran sferase) 2	0.033114	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1334 43	GPT2	glutamic pyruvate transamin ase (alanine aminotran sferase) 2	0.154892	Inlier
siRNA Disorazole DMSO Run2	NM_1334 43	GPT2	glutamic pyruvate transamin ase (alanine aminotran sferase) 2	0.877943	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1334 43	GPT2	glutamic pyruvate transamin ase (alanine aminotran sferase) 2	1.424131	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_2013 97	GPX1	glutathione peroxidase 1	-1.051022	Inlier
siRNA Disorazole DMSO Run3	NM_2013 97	GPX1	glutathione peroxidase 1	-0.542199	Inlier
siRNA Disorazole DMSO Run1	NM_2013 97	GPX1	glutathione peroxidase 1	-0.222231	Inlier
siRNA-Temozolomide Run2-DMSO	NM_2013 97	GPX1	glutathione peroxidase 1	-0.135598	Inlier
siRNA-Temozolomide Run1-DMSO	NM_2013 97	GPX1	glutathione peroxidase 1	0.135598	Inlier
siRNA-Vinblastine Run2-DMSO	NM_2013 97	GPX1	glutathione peroxidase 1	0.806801	Inlier
siRNA-Vinblastine Run1-DMSO	NM_2013 97	GPX1	glutathione peroxidase 1	3.932418	Outlier
siRNA Disorazole DMSO Run2	NM_2013 97	GPX1	glutathione peroxidase 1	4.822381	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0020 83	GPX2	glutathione peroxidase 2 (gastrointestinal)	-0.759831	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0020 83	GPX2	glutathione peroxidase 2 (gastrointestinal)	-0.589169	Inlier
siRNA Disorazole DMSO Run3	NM_0020 83	GPX2	glutathione peroxidase 2 (gastrointestinal)	-0.158193	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0020 83	GPX2	glutathione peroxidase 2 (gastrointestinal)	-0.077931	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0020 83	GPX2	glutathione peroxidase 2 (gastrointestinal)	0.077931	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0020 83	GPX2	glutathione peroxidase 2 (gastrointestinal)	0.997276	Inlier
siRNA Disorazole DMSO Run2	NM_0020 83	GPX2	glutathione peroxidase 2 (gastrointestinal)	5.364081	Outlier
siRNA-Vinblastine Run1-DMSO	NM_0020 83	GPX2	glutathione peroxidase 2 (gastrointestinal)	6.271825	Outlier
siRNA Disorazole DMSO Run1	NM_0020 84	GPX3	glutathione peroxidase 3 (plasma)	-0.712218	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0020 84	GPX3	glutathione peroxidase 3 (plasma)	-0.636782	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0020 84	GPX3	glutathione peroxidase 3 (plasma)	-0.508283	Inlier
siRNA Disorazole DMSO Run3	NM_0020 84	GPX3	glutathione peroxidase 3 (plasma)	-0.348283	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_002084	GPX3	glutathione peroxidase 3 (plasma)	0.348283	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002084	GPX3	glutathione peroxidase 3 (plasma)	1.931797	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002084	GPX3	glutathione peroxidase 3 (plasma)	2.779262	Inlier
siRNA Disorazole DMSO Run2	NM_002084	GPX3	glutathione peroxidase 3 (plasma)	3.179245	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002085	GPX4	glutathione peroxidase 4 (phospholipid hydroperoxidase)	-0.899735	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002085	GPX4	glutathione peroxidase 4 (phospholipid hydroperoxidase)	-0.831377	Inlier
siRNA Disorazole DMSO Run1	NM_002085	GPX4	glutathione peroxidase 4 (phospholipid hydroperoxidase)	-0.811524	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002085	GPX4	glutathione peroxidase 4 (phospholipid hydroperoxidase)	-0.066184	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_002085	GPX4	glutathione peroxidase 4 (phospholipid hydroperoxidase)	0.066184	Inlier
siRNA Disorazole DMSO Run3	NM_002085	GPX4	glutathione peroxidase 4 (phospholipid hydroperoxidase)	0.225458	Inlier
siRNA Disorazole DMSO Run2	NM_002085	GPX4	glutathione peroxidase 4 (phospholipid hydroperoxidase)	0.53978	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002085	GPX4	glutathione peroxidase 4 (phospholipid hydroperoxidase)	0.80922	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003996	GPX5	glutathione peroxidase 5 (epididymal androgen-related protein)	-0.860811	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003996	GPX5	glutathione peroxidase 5 (epididymal androgen-related protein)	-0.488189	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0039 96	GPX5	glutathione peroxidase 5 (epididymal androgen-related protein)	-0.416611 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0039 96	GPX5	glutathione peroxidase 5 (epididymal androgen-related protein)	-0.193041 Inlier
siRNA Disorazole DMSO Run3	NM_0039 96	GPX5	glutathione peroxidase 5 (epididymal androgen-related protein)	0.193041 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0039 96	GPX5	glutathione peroxidase 5 (epididymal androgen-related protein)	0.936002 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0039 96	GPX5	glutathione peroxidase 5 (epididymal androgen-related protein)	2.119858 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0039 96	GPX5	glutathione peroxidase 5 (epididymal androgen-related protein)	2.818218	Inlier
siRNA Disorazole DMSO Run1	NM_0156 96	GPX7	glutathione peroxidase 7	-1.094114	Inlier
siRNA Disorazole DMSO Run3	NM_0156 96	GPX7	glutathione peroxidase 7	-0.8344	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0156 96	GPX7	glutathione peroxidase 7	-0.5146	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0156 96	GPX7	glutathione peroxidase 7	-0.124377	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0156 96	GPX7	glutathione peroxidase 7	0.124377	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0156 96	GPX7	glutathione peroxidase 7	0.315367	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0156 96	GPX7	glutathione peroxidase 7	1.177288	Inlier
siRNA Disorazole DMSO Run2	NM_0156 96	GPX7	glutathione peroxidase 7	1.748469	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0198 58	GRCA	GRCA	-0.984787	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0198 58	GRCA	GRCA	-0.753539	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0198 58	GRCA	GRCA	-0.595461	Inlier
siRNA Disorazole DMSO Run1	NM_0198 58	GRCA	GRCA	-0.528016	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0198 58	GRCA	GRCA	0.528015	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA-Vinblastine Run1- DMSO	NM_0198 58	GRCA	GRCA	0.554365	Inlier
siRNA Disorazole DMSO Run2	NM_0198 58	GRCA	GRCA	1.470745	Inlier
siRNA Disorazole DMSO Run3	NM_0198 58	GRCA	GRCA	1.59015	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0326 41	GRCC9	GRCC9	-0.981021	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0326 41	GRCC9	GRCC9	-0.919542	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0326 41	GRCC9	GRCC9	-0.429457	Inlier
siRNA Disorazole DMSO Run3	NM_0326 41	GRCC9	GRCC9	-0.355718	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0326 41	GRCC9	GRCC9	0.355718	Inlier
siRNA Disorazole DMSO Run1	NM_0326 41	GRCC9	GRCC9	0.379463	Inlier
siRNA Disorazole DMSO Run2	NM_0326 41	GRCC9	GRCC9	2.699507	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0326 41	GRCC9	GRCC9	4.665256	Outlier
siRNA-Temozolomide Run3- DMSO	NM_0122 03	GRHPR	glyoxylate reductase/ hydroxypyruvate reductase	-0.70602	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0122 03	GRHPR	glyoxylate reductase/ hydroxypyruvate reductase	-0.64298	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0122 03	GRHPR	glyoxylate reductase/ hydroxypyruvate reductase	-0.495146	Inlier
siRNA Disorazole DMSO Run1	NM_0122 03	GRHPR	glyoxylate reductase/ hydroxypyruvate reductase	-0.306178	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0122 03	GRHPR	glyoxylate reductase/ hydroxypyruvate reductase	0.306178	Inlier
siRNA Disorazole DMSO Run3	NM_0122 03	GRHPR	glyoxylate reductase	0.757591	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Expression Value	Classification
siRNA Disorazole DMSO Run2	NM_012203	GRHPR	4.820274	Outlier
siRNA-Vinblastine Run1-DMSO	NM_012203	GRHPR	7.179737	Outlier
siRNA-Temozolomide Run3-DMSO	NM_000827	GRIA1	-3.723888	Outlier
siRNA Disorazole DMSO Run1	NM_000827	GRIA1	-1.150165	Inlier
siRNA Disorazole DMSO Run3	NM_000827	GRIA1	-0.535029	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000827	GRIA1	-0.195124	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000827	GRIA1	0.195124	Inlier
siRNA Disorazole DMSO Run2	NM_000827	GRIA1	0.284888	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000827	GRIA1	0.813971	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000827	GRIA1	1.001182	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000826	GRIA2	-1.325794	Inlier
siRNA Disorazole DMSO Run2	NM_000826	GRIA2	-1.199158	Inlier

glyoxylate
 reductase/
 hydroxypyruvate

reductase
 glyoxylate
 reductase/
 hydroxypyruvate

reductase
 glutamate
 receptor,
 ionotropic,
 AMPA 1

glutamate
 receptor,
 ionotropic,
 AMPA 1

glutamate
 receptor,
 ionotropic,
 AMPA 1

glutamate
 receptor,
 ionotropic,
 AMPA 1

glutamate
 receptor,
 ionotropic,
 AMPA 1

glutamate
 receptor,
 ionotropic,
 AMPA 1

glutamate
 receptor,
 ionotropic,
 AMPA 1

glutamate
 receptor,
 ionotropic,
 AMPA 1

glutamate
 receptor,
 ionotropic,
 AMPA 1

glutamate
 receptor,
 ionotropic,
 AMPA 2

glutamate
 receptor,
 ionotropic,
 AMPA 2

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0008 26	GRIA2	glutamate receptor, ionotropic, AMPA 2	-0.665733	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0008 26	GRIA2	glutamate receptor, ionotropic, AMPA 2	-0.025264	Inlier
siRNA Disorazole DMSO Run1	NM_0008 26	GRIA2	glutamate receptor, ionotropic, AMPA 2	0.025264	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0008 26	GRIA2	glutamate receptor, ionotropic, AMPA 2	0.565266	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0008 26	GRIA2	glutamate receptor, ionotropic, AMPA 2	0.683267	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0008 26	GRIA2	glutamate receptor, ionotropic, AMPA 2	0.688239	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1818 94	GRIA3	glutamate receptor, ionotropic, AMPA 3	-2.28865	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1818 94	GRIA3	glutamate receptor, ionotropic, AMPA 3	-1.812004	Inlier
siRNA Disorazole DMSO Run3	NM_1818 94	GRIA3	glutamate receptor, ionotropic, AMPA 3	-0.490669	Inlier
siRNA Disorazole DMSO Run2	NM_1818 94	GRIA3	glutamate receptor, ionotropic, AMPA 3	-0.485125	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1818 94	GRIA3	glutamate receptor, ionotropic, AMPA 3	0.485125	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1818 94	GRIA3	glutamate receptor, ionotrophi c, AMPA 3	0.542189 Inlier
siRNA-Temozolomide Run1- DMSO	NM_1818 94	GRIA3	glutamate receptor, ionotrophi c, AMPA 3	0.806811 Inlier
siRNA-Vinblastine Run2- DMSO	NM_1818 94	GRIA3	glutamate receptor, ionotrophi c, AMPA 3	1.083985 Inlier
siRNA Disorazole DMSO Run3	NM_0008 29	GRIA4	glutamate receptor, ionotrophi c, AMPA 4	-2.067808 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0008 29	GRIA4	glutamate receptor, ionotrophi c, AMPA 4	-1.066797 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0008 29	GRIA4	glutamate receptor, ionotrophi c, AMPA 4	-0.632571 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0008 29	GRIA4	glutamate receptor, ionotrophi c, AMPA 4	-0.421581 Inlier
siRNA Disorazole DMSO Run2	NM_0008 29	GRIA4	glutamate receptor, ionotrophi c, AMPA 4	0.42158 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0008 29	GRIA4	glutamate receptor, ionotrophi c, AMPA 4	0.617336 Inlier
siRNA Disorazole DMSO Run1	NM_0008 29	GRIA4	glutamate receptor, ionotrophi c, AMPA 4	0.716429 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0008 29	GRIA4	glutamate receptor, ionotropic, AMPA 4 glutamate receptor,	0.877744	Inlier
siRNA-Temozolomide Run3-DMSO	XM_04361 3	GRID1	ionotropic, delta 1 glutamate receptor,	-1.357739	Inlier
siRNA-Temozolomide Run2-DMSO	XM_04361 3	GRID1	ionotropic, delta 1 glutamate receptor,	-1.246304	Inlier
siRNA Disorazole DMSO Run1	XM_04361 3	GRID1	ionotropic, delta 1 glutamate receptor,	-0.135174	Inlier
siRNA-Vinblastine Run2-DMSO	XM_04361 3	GRID1	ionotropic, delta 1 glutamate receptor,	-0.084285	Inlier
siRNA-Temozolomide Run1-DMSO	XM_04361 3	GRID1	ionotropic, delta 1 glutamate receptor,	0.084285	Inlier
siRNA Disorazole DMSO Run3	XM_04361 3	GRID1	ionotropic, delta 1 glutamate receptor,	0.171621	Inlier
siRNA-Vinblastine Run1-DMSO	XM_04361 3	GRID1	ionotropic, delta 1 glutamate receptor,	1.177379	Inlier
siRNA Disorazole DMSO Run2	XM_04361 3	GRID1	ionotropic, delta 1 glutamate receptor,	1.589554	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0015 10	GRID2	ionotropic, delta 2 glutamate receptor,	-7.629692	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0015 10	GRID2	ionotropic, delta 2 glutamate receptor,	-0.773593	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0015 10	GRID2	ionotropic, delta 2	-0.186666	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0015 10	GRID2	glutamate receptor, ionotropic, delta 2	-0.153107	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0015 10	GRID2	glutamate receptor, ionotropic, delta 2	0.153104	Inlier
siRNA Disorazole DMSO Run1	NM_0015 10	GRID2	glutamate receptor, ionotropic, delta 2	0.575406	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0015 10	GRID2	glutamate receptor, ionotropic, delta 2	7.534623	Outlier
siRNA Disorazole DMSO Run2	NM_0015 10	GRID2	glutamate receptor, ionotropic, delta 2	7.716054	Outlier
siRNA-Temozolomide Run3-DMSO	NM_1756 11	GRIK1	glutamate receptor, ionotropic, kainate 1	-1.360518	Inlier
siRNA Disorazole DMSO Run3	NM_1756 11	GRIK1	glutamate receptor, ionotropic, kainate 1	-1.124275	Inlier
siRNA Disorazole DMSO Run2	NM_1756 11	GRIK1	glutamate receptor, ionotropic, kainate 1	-0.704231	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1756 11	GRIK1	glutamate receptor, ionotropic, kainate 1	-0.220593	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1756 11	GRIK1	glutamate receptor, ionotropic, kainate 1	0.220594	Inlier
siRNA Disorazole DMSO Run1	NM_1756 11	GRIK1	glutamate receptor, ionotropic, kainate 1	0.328619	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_1756 11	GRIK1	glutamate receptor, ionotropic, kainate 1	0.644769 Inlier
siRNA-Vinblastine Run2-DMSO	NM_1756 11	GRIK1	glutamate receptor, ionotropic, kainate 1	1.007102 Inlier
siRNA-Temozolomide Run3-DMSO	NM_1757 68	GRIK2	glutamate receptor, ionotropic, kainate 2	-0.786489 Inlier
siRNA-Temozolomide Run2-DMSO	NM_1757 68	GRIK2	glutamate receptor, ionotropic, kainate 2	-0.746918 Inlier
siRNA-Vinblastine Run2-DMSO	NM_1757 68	GRIK2	glutamate receptor, ionotropic, kainate 2	-0.170044 Inlier
siRNA Disorazole DMSO Run1	NM_1757 68	GRIK2	glutamate receptor, ionotropic, kainate 2	-0.048377 Inlier
siRNA Disorazole DMSO Run3	NM_1757 68	GRIK2	glutamate receptor, ionotropic, kainate 2	0.048377 Inlier
siRNA-Temozolomide Run1-DMSO	NM_1757 68	GRIK2	glutamate receptor, ionotropic, kainate 2	0.602082 Inlier
siRNA Disorazole DMSO Run2	NM_1757 68	GRIK2	glutamate receptor, ionotropic, kainate 2	3.087685 Inlier
siRNA-Vinblastine Run1-DMSO	NM_1757 68	GRIK2	glutamate receptor, ionotropic, kainate 2	3.130141 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0008 31	GRIK3	glutamate receptor, ionotropic, kainate 3	-1.439304	Inlier
siRNA Disorazole DMSO Run3	NM_0008 31	GRIK3	glutamate receptor, ionotropic, kainate 3	-0.491835	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0008 31	GRIK3	glutamate receptor, ionotropic, kainate 3	-0.190104	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0008 31	GRIK3	glutamate receptor, ionotropic, kainate 3	-0.135689	Inlier
siRNA Disorazole DMSO Run1	NM_0008 31	GRIK3	glutamate receptor, ionotropic, kainate 3	0.135689	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0008 31	GRIK3	glutamate receptor, ionotropic, kainate 3	0.857165	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0008 31	GRIK3	glutamate receptor, ionotropic, kainate 3	2.101838	Inlier
siRNA Disorazole DMSO Run2	NM_0008 31	GRIK3	glutamate receptor, ionotropic, kainate 3	2.258132	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0146 19	GRIK4	glutamate receptor, ionotropic, kainate 4	-1.730704	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0146 19	GRIK4	glutamate receptor, ionotropic, kainate 4	-1.014052	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0146 19	GRIK4	glutamate receptor, ionotropic, kainate 4	-0.808896	Inlier
siRNA Disorazole DMSO Run3	NM_0146 19	GRIK4	glutamate receptor, ionotropic, kainate 4	-0.459499	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0146 19	GRIK4	glutamate receptor, ionotropic, kainate 4	0.4595	Inlier
siRNA Disorazole DMSO Run1	NM_0146 19	GRIK4	glutamate receptor, ionotropic, kainate 4	0.536809	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0146 19	GRIK4	glutamate receptor, ionotropic, kainate 4	0.540104	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0146 19	GRIK4	glutamate receptor, ionotropic, kainate 4	0.884619	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0020 88	GRIK5	glutamate receptor, ionotropic, kainate 5	-1.737097	Inlier
siRNA Disorazole DMSO Run1	NM_0020 88	GRIK5	glutamate receptor, ionotropic, kainate 5	-0.843877	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0020 88	GRIK5	glutamate receptor, ionotropic, kainate 5	-0.29355	Inlier
siRNA Disorazole DMSO Run3	NM_0020 88	GRIK5	glutamate receptor, ionotropic, kainate 5	-0.213133	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0020 88	GRIK5	glutamate receptor, ionotropic, kainate 5	0.213133	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0020 88	GRIK5	glutamate receptor, ionotropic, kainate 5	0.505123	Inlier
siRNA Disorazole DMSO Run2	NM_0020 88	GRIK5	glutamate receptor, ionotropic, kainate 5	4.440151	Outlier
siRNA-Vinblastine Run1-DMSO	NM_0020 88	GRIK5	glutamate receptor, ionotropic, kainate 5	4.949374	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0073 27	GRIN1	glutamate receptor, ionotropic, N-methyl D-aspartate 1	-0.703019	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0073 27	GRIN1	glutamate receptor, ionotropic, N-methyl D-aspartate 1	-0.645981	Inlier
siRNA Disorazole DMSO Run3	NM_0073 27	GRIN1	glutamate receptor, ionotropic, N-methyl D-aspartate 1	-0.343427	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0073 27	GRIN1	glutamate receptor, ionotropic, N-methyl D-aspartate 1	-0.312053	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0073 27	GRIN1	glutamate receptor, ionotropic, N-methyl D- aspartate 1	0.312053	Inlier
siRNA Disorazole DMSO Run1	NM_0073 27	GRIN1	glutamate receptor, ionotropic, N-methyl D- aspartate 1	1.028999	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0073 27	GRIN1	glutamate receptor, ionotropic, N-methyl D- aspartate 1	2.029724	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0073 27	GRIN1	glutamate receptor, ionotropic, N-methyl D- aspartate 1	3.415735	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0008 33	GRIN2A	glutamate receptor, ionotropic, N-methyl D- aspartate 2A	-1.509203	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0008 33	GRIN2A	glutamate receptor, ionotropic, N-methyl D- aspartate 2A	-0.740106	Inlier
siRNA Disorazole DMSO Run2	NM_0008 33	GRIN2A	glutamate receptor, ionotropic, N-methyl D- aspartate 2A	-0.588739	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0008 33	GRIN2A	glutamate receptor, ionotropic, N-methyl D- aspartate 2A	-0.059763	Inlier
siRNA Disorazole DMSO Run3	NM_0008 33	GRIN2A	glutamate receptor, ionotropic, N-methyl D- aspartate 2A	0.059763	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0008 33	GRIN2A	glutamate receptor, ionotropic, N-methyl D- aspartate 2A	0.608894	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0008 33	GRIN2A	glutamate receptor, ionotropic, N-methyl D- aspartate 2A	1.0879	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0008 33	GRIN2A	glutamate receptor, ionotropic, N-methyl D- aspartate 2A	1.447878	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0008 34	GRIN2B	glutamate receptor, ionotropic, N-methyl D- aspartate 2B	-2.193571	Inlier
siRNA Disorazole DMSO Run3	NM_0008 34	GRIN2B	glutamate receptor, ionotropic, N-methyl D- aspartate 2B	-1.150539	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0008 34	GRIN2B	glutamate receptor, ionotropic, N-methyl D- aspartate 2B	-0.694948	Inlier
siRNA Disorazole DMSO Run2	NM_0008 34	GRIN2B	glutamate receptor, ionotropic, N-methyl D- aspartate 2B	-0.248019	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0008 34	GRIN2B	glutamate receptor, ionotropic, N-methyl D- aspartate 2B	0.248019	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0008 34	GRIN2B	glutamate receptor, ionotropic, N-methyl D- aspartate 2B	0.573153	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0008 34	GRIN2B	glutamate receptor, ionotropic, N-methyl D- aspartate 2B	0.654052	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0008 34	GRIN2B	glutamate receptor, ionotropic, N-methyl D- aspartate 2B	1.088954	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0008 35	GRIN2C	glutamate receptor, ionotropic, N-methyl D- aspartate 2C	-4.511389	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_000835	GRIN2C	glutamate receptor, ionotropic, N-methyl D-aspartate 2C	-0.697437	Inlier
siRNA Disorazole DMSO Run1	NM_000835	GRIN2C	glutamate receptor, ionotropic, N-methyl D-aspartate 2C	-0.651563	Inlier
siRNA Disorazole DMSO Run3	NM_000835	GRIN2C	glutamate receptor, ionotropic, N-methyl D-aspartate 2C	-0.207133	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000835	GRIN2C	glutamate receptor, ionotropic, N-methyl D-aspartate 2C	0.207131	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000835	GRIN2C	glutamate receptor, ionotropic, N-methyl D-aspartate 2C	0.454805	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000835	GRIN2C	glutamate receptor, ionotropic, N-methyl D-aspartate 2C	2.78931	Inlier
siRNA Disorazole DMSO Run2	NM_000835	GRIN2C	glutamate receptor, ionotropic, N-methyl D-aspartate 2C	4.236544	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0008 36	GRIN2D	glutamate receptor, ionotropic, N-methyl D- aspartate 2D	-0.845454	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0008 36	GRIN2D	glutamate receptor, ionotropic, N-methyl D- aspartate 2D	-0.831381	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0008 36	GRIN2D	glutamate receptor, ionotropic, N-methyl D- aspartate 2D	-0.061629	Inlier
siRNA Disorazole DMSO Run1	NM_0008 36	GRIN2D	glutamate receptor, ionotropic, N-methyl D- aspartate 2D	-0.041826	Inlier
siRNA Disorazole DMSO Run3	NM_0008 36	GRIN2D	glutamate receptor, ionotropic, N-methyl D- aspartate 2D	0.041826	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0008 36	GRIN2D	glutamate receptor, ionotropic, N-methyl D- aspartate 2D	0.517619	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0008 36	GRIN2D	glutamate receptor, ionotropic, N-methyl D- aspartate 2D	1.183994	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_000836	GRIN2D	glutamate receptor, ionotropic, N-methyl-D-aspartate 2D	2.077217	Inlier
siRNA Disorazole DMSO Run1	NM_133445	GRIN3A	glutamate receptor, ionotropic, N-methyl-D-aspartate 3A	-1.374355	Inlier
siRNA-Temozolomide Run1-DMSO	NM_133445	GRIN3A	glutamate receptor, ionotropic, N-methyl-D-aspartate 3A	-0.74279	Inlier
siRNA-Temozolomide Run3-DMSO	NM_133445	GRIN3A	glutamate receptor, ionotropic, N-methyl-D-aspartate 3A	-0.575272	Inlier
siRNA Disorazole DMSO Run3	NM_133445	GRIN3A	glutamate receptor, ionotropic, N-methyl-D-aspartate 3A	-0.464414	Inlier
siRNA-Temozolomide Run2-DMSO	NM_133445	GRIN3A	glutamate receptor, ionotropic, N-methyl-D-aspartate 3A	0.464412	Inlier
siRNA-Vinblastine Run2-DMSO	NM_133445	GRIN3A	glutamate receptor, ionotropic, N-methyl-D-aspartate 3A	0.60621	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_1334 45	GRIN3A	glutamate receptor, ionotropic, N-methyl-D-aspartate 3A	3.475687	Inlier
siRNA Disorazole DMSO Run2	NM_1334 45	GRIN3A	glutamate receptor, ionotropic, N-methyl-D-aspartate 3A	4.389807	Outlier
siRNA-Temozolomide Run1-DMSO	NM_0010 09184	GRINA	glutamate receptor, ionotropic, N-methyl D-aspartate-associated protein 1 (glutamate binding)	-0.705586	Inlier
siRNA Disorazole DMSO Run1	NM_0010 09184	GRINA	glutamate receptor, ionotropic, N-methyl D-aspartate-associated protein 1 (glutamate binding)	-0.643414	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 09184	GRINA	glutamate receptor, ionotropic, N-methyl D-aspartate-associated protein 1 (glutamate binding)	-0.641675	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_001009184	GRINA	glutamate receptor, ionotropic, N-methyl D-aspartate-associated protein 1 (glutamate binding)	-0.189116	Inlier
siRNA Disorazole DMSO Run3	NM_001009184	GRINA	glutamate receptor, ionotropic, N-methyl D-aspartate-associated protein 1 (glutamate binding)	0.189117	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001009184	GRINA	glutamate receptor, ionotropic, N-methyl D-aspartate-associated protein 1 (glutamate binding)	0.958263	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001009184	GRINA	glutamate receptor, ionotropic, N-methyl D-aspartate-associated protein 1 (glutamate binding)	1.112837	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0010 09184	GRINA	glutamate receptor, ionotropic, N-methyl D-aspartate-associated protein 1 (glutamate binding)	2.386292	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 18103	GRINL1A	glutamate receptor, ionotropic, N-methyl D-aspartate-like 1A	-1.169002	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 18103	GRINL1A	glutamate receptor, ionotropic, N-methyl D-aspartate-like 1A	-0.773898	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 18103	GRINL1A	glutamate receptor, ionotropic, N-methyl D-aspartate-like 1A	-0.123123	Inlier
siRNA Disorazole DMSO Run3	NM_0010 18103	GRINL1A	glutamate receptor, ionotropic, N-methyl D-aspartate-like 1A	-0.097932	Inlier
siRNA Disorazole DMSO Run1	NM_0010 18103	GRINL1A	glutamate receptor, ionotropic, N-methyl D-aspartate-like 1A	0.097931	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Value	Category
siRNA-Temozolomide Run1-DMSO	NM_001018103	GRINL1A	glutamate receptor, ionotropic, N-methyl D-aspartate-like 1A	0.575102	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001018103	GRINL1A	glutamate receptor, ionotropic, N-methyl D-aspartate-like 1A	4.780657	Outlier
siRNA Disorazole DMSO Run2	NM_001018103	GRINL1A	glutamate receptor, ionotropic, N-methyl D-aspartate-like 1A	4.927367	Outlier
siRNA-Temozolomide Run3-DMSO	NM_002929	GRK1	G protein-coupled receptor kinase 1	-3.420247	Inlier
siRNA Disorazole DMSO Run1	NM_002929	GRK1	G protein-coupled receptor kinase 1	-0.761841	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002929	GRK1	G protein-coupled receptor kinase 1	-0.705667	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002929	GRK1	G protein-coupled receptor kinase 1	-0.281752	Inlier
siRNA Disorazole DMSO Run3	NM_002929	GRK1	G protein-coupled receptor kinase 1	0.281751	Inlier
siRNA Disorazole DMSO Run2	NM_002929	GRK1	G protein-coupled receptor kinase 1	0.562832	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002929	GRK1	G protein-coupled receptor kinase 1	0.643333	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein	Value	Category
siRNA-Vinblastine Run1-DMSO	NM_002929	GRK1	G protein-coupled receptor kinase 1	1.110669	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001004056	GRK4	G protein-coupled receptor kinase 4	-0.888931	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001004056	GRK4	G protein-coupled receptor kinase 4	-0.460069	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001004056	GRK4	G protein-coupled receptor kinase 4	-0.279019	Inlier
siRNA Disorazole DMSO Run2	NM_001004056	GRK4	G protein-coupled receptor kinase 4	-0.192285	Inlier
siRNA Disorazole DMSO Run3	NM_001004056	GRK4	G protein-coupled receptor kinase 4	0.192285	Inlier
siRNA Disorazole DMSO Run1	NM_001004056	GRK4	G protein-coupled receptor kinase 4	2.574428	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001004056	GRK4	G protein-coupled receptor kinase 4	3.523822	Outlier
siRNA-Vinblastine Run1-DMSO	NM_001004056	GRK4	G protein-coupled receptor kinase 4	3.795175	Outlier
siRNA-Temozolomide Run3-DMSO	NM_005308	GRK5	G protein-coupled receptor kinase 5	-1.992816	Inlier
siRNA Disorazole DMSO Run3	NM_005308	GRK5	G protein-coupled receptor kinase 5	-0.779165	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005308	GRK5	G protein-coupled receptor kinase 5	-0.628598	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005308	GRK5	G protein-coupled receptor kinase 5	-0.312966	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0053 08	GRK5	G protein-coupled receptor kinase 5	0.312966	Inlier
siRNA Disorazole DMSO Run2	NM_0053 08	GRK5	G protein-coupled receptor kinase 5	0.380996	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0053 08	GRK5	G protein-coupled receptor kinase 5	0.720402	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0053 08	GRK5	G protein-coupled receptor kinase 5	2.360258	Inlier
siRNA Disorazole DMSO Run2	NM_0020 82	GRK6	G protein-coupled receptor kinase 6	-2.397207	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0020 82	GRK6	G protein-coupled receptor kinase 6	-0.339501	Inlier
siRNA Disorazole DMSO Run3	NM_0020 82	GRK6	G protein-coupled receptor kinase 6	-0.184818	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0020 82	GRK6	G protein-coupled receptor kinase 6	-0.017734	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0020 82	GRK6	G protein-coupled receptor kinase 6	0.017734	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0020 82	GRK6	G protein-coupled receptor kinase 6	1.009499	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0020 82	GRK6	G protein-coupled receptor kinase 6	1.011546	Inlier
siRNA Disorazole DMSO Run1	NM_0020 82	GRK6	G protein-coupled receptor kinase 6	1.127509	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1392 09	GRK7	G protein-coupled receptor kinase 7	-1.558835	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_139209	GRK7	G protein-coupled receptor kinase 7	-0.728915	Inlier
siRNA Disorazole DMSO Run3	NM_139209	GRK7	G protein-coupled receptor kinase 7	-0.439012	Inlier
siRNA Disorazole DMSO Run2	NM_139209	GRK7	G protein-coupled receptor kinase 7	-0.160155	Inlier
siRNA-Temozolomide Run2-DMSO	NM_139209	GRK7	G protein-coupled receptor kinase 7	0.160155	Inlier
siRNA Disorazole DMSO Run1	NM_139209	GRK7	G protein-coupled receptor kinase 7	0.620085	Inlier
siRNA-Vinblastine Run1-DMSO	NM_139209	GRK7	G protein-coupled receptor kinase 7	1.170161	Inlier
siRNA-Vinblastine Run2-DMSO	NM_139209	GRK7	G protein-coupled receptor kinase 7 glucocorticoid receptor	1.792493	Inlier
siRNA-Vinblastine Run2-DMSO	NM_024342	GRLF1	DNA binding factor 1 glucocorticoid receptor	-0.94603	Inlier
siRNA Disorazole DMSO Run3	NM_024342	GRLF1	DNA binding factor 1 glucocorticoid receptor	-0.878548	Inlier
siRNA Disorazole DMSO Run1	NM_024342	GRLF1	DNA binding factor 1 glucocorticoid receptor	-0.470452	Inlier
siRNA-Temozolomide Run2-DMSO	NM_024342	GRLF1	DNA binding factor 1	-0.159226	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0243 42	GRLF1	glucocorticoid receptor DNA binding factor 1	0.159226	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0243 42	GRLF1	glucocorticoid receptor DNA binding factor 1	0.275157	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0243 42	GRLF1	glucocorticoid receptor DNA binding factor 1	2.626603	Inlier
siRNA Disorazole DMSO Run2	NM_0243 42	GRLF1	glucocorticoid receptor DNA binding factor 1	3.361241	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0008 38	GRM1	glutamate receptor, metabotropic 1	-1.763354	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0008 38	GRM1	glutamate receptor, metabotropic 1	-0.708212	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0008 38	GRM1	glutamate receptor, metabotropic 1	-0.564151	Inlier
siRNA Disorazole DMSO Run1	NM_0008 38	GRM1	glutamate receptor, metabotropic 1	-0.092847	Inlier
siRNA Disorazole DMSO Run2	NM_0008 38	GRM1	glutamate receptor, metabotropic 1	0.092847	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0008 38	GRM1	glutamate receptor, metabotropic 1	0.640788	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0008 38	GRM1	glutamate receptor, metabotropic 1	0.811771	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0008 38	GRM1	glutamate receptor, metabotro pic 1	0.94313	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0008 39	GRM2	glutamate receptor, metabotro pic 2	-1.715515	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0008 39	GRM2	glutamate receptor, metabotro pic 2	-0.753206	Inlier
siRNA Disorazole DMSO Run1	NM_0008 39	GRM2	glutamate receptor, metabotro pic 2	-0.559275	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0008 39	GRM2	glutamate receptor, metabotro pic 2	-0.500196	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0008 39	GRM2	glutamate receptor, metabotro pic 2	0.500195	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0008 39	GRM2	glutamate receptor, metabotro pic 2	0.595794	Inlier
siRNA Disorazole DMSO Run2	NM_0008 39	GRM2	glutamate receptor, metabotro pic 2	0.809072	Inlier
siRNA Disorazole DMSO Run3	NM_0008 39	GRM2	glutamate receptor, metabotro pic 2	2.259777	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0008 40	GRM3	glutamate receptor, metabotro pic 3	-1.837713	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0008 40	GRM3	glutamate receptor, metabotro pic 3	-1.012112	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0008 40	GRM3	glutamate receptor, metabotro pic 3	-0.784261	Inlier
siRNA Disorazole DMSO Run2	NM_0008 40	GRM3	glutamate receptor, metabotro pic 3	-0.052704	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0008 40	GRM3	glutamate receptor, metabotro pic 3	0.052704	Inlier
siRNA Disorazole DMSO Run3	NM_0008 40	GRM3	glutamate receptor, metabotro pic 3	0.607346	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0008 40	GRM3	glutamate receptor, metabotro pic 3	0.641438	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0008 40	GRM3	glutamate receptor, metabotro pic 3	0.707562	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0008 41	GRM4	glutamate receptor, metabotro pic 4	-1.005578	Inlier
siRNA Disorazole DMSO Run2	NM_0008 41	GRM4	glutamate receptor, metabotro pic 4	-0.776466	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0008 41	GRM4	glutamate receptor, metabotro pic 4	-0.513446	Inlier
siRNA Disorazole DMSO Run3	NM_0008 41	GRM4	glutamate receptor, metabotro pic 4	-0.1186	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0008 41	GRM4	glutamate receptor, metabotro pic 4	0.118601	Inlier
siRNA Disorazole DMSO Run1	NM_0008 41	GRM4	glutamate receptor, metabotro pic 4	0.572534	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0008 41	GRM4	glutamate receptor, metabotro pic 4	0.789526	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0008 41	GRM4	glutamate receptor, metabotro pic 4	0.971896	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0008 42	GRM5	glutamate receptor, metabotro pic 5	-1.49149	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0008 42	GRM5	glutamate receptor, metabotropic 5	-0.483213	Inlier
siRNA Disorazole DMSO Run2	NM_0008 42	GRM5	glutamate receptor, metabotropic 5	-0.322761	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0008 42	GRM5	glutamate receptor, metabotropic 5	-0.188086	Inlier
siRNA Disorazole DMSO Run1	NM_0008 42	GRM5	glutamate receptor, metabotropic 5	0.188086	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0008 42	GRM5	glutamate receptor, metabotropic 5	0.865787	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0008 42	GRM5	glutamate receptor, metabotropic 5	0.955367	Inlier
siRNA Disorazole DMSO Run3	NM_0008 42	GRM5	glutamate receptor, metabotropic 5	0.9649	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0008 43	GRM6	glutamate receptor, metabotropic 6	-1.08793	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0008 43	GRM6	glutamate receptor, metabotropic 6	-0.809593	Inlier
siRNA Disorazole DMSO Run2	NM_0008 43	GRM6	glutamate receptor, metabotropic 6	-0.512006	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0008 43	GRM6	glutamate receptor, metabotropic 6	-0.31785	Inlier
siRNA Disorazole DMSO Run1	NM_0008 43	GRM6	glutamate receptor, metabotropic 6	0.31785	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0008 43	GRM6	glutamate receptor, metabotropic 6	0.637825	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0008 43	GRM6	glutamate receptor, metabotro pic 6	0.711175	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0008 43	GRM6	glutamate receptor, metabotro pic 6	1.098305	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1818 74	GRM7	glutamate receptor, metabotro pic 7	-1.571322	Inlier
siRNA Disorazole DMSO Run2	NM_1818 74	GRM7	glutamate receptor, metabotro pic 7	-1.060776	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1818 74	GRM7	glutamate receptor, metabotro pic 7	-0.314061	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1818 74	GRM7	glutamate receptor, metabotro pic 7	-0.207678	Inlier
siRNA Disorazole DMSO Run3	NM_1818 74	GRM7	glutamate receptor, metabotro pic 7	0.207677	Inlier
siRNA Disorazole DMSO Run1	NM_1818 74	GRM7	glutamate receptor, metabotro pic 7	0.621014	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1818 74	GRM7	glutamate receptor, metabotro pic 7	0.727986	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1818 74	GRM7	glutamate receptor, metabotro pic 7	1.196789	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0008 45	GRM8	glutamate receptor, metabotro pic 8	-1.994275	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0008 45	GRM8	glutamate receptor, metabotro pic 8	-0.761807	Inlier
siRNA Disorazole DMSO Run1	NM_0008 45	GRM8	glutamate receptor, metabotro pic 8	-0.587193	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0008 45	GRM8	glutamate receptor, metabotropic 8	-0.478108	Inlier
siRNA Disorazole DMSO Run2	NM_0008 45	GRM8	glutamate receptor, metabotropic 8	0.47811	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0008 45	GRM8	glutamate receptor, metabotropic 8	0.550857	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0008 45	GRM8	glutamate receptor, metabotropic 8	1.499985	Inlier
siRNA Disorazole DMSO Run3	NM_0008 45	GRM8	glutamate receptor, metabotropic 8	2.760054	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0020 87	GRN	granulin	-0.896613	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0020 87	GRN	granulin	-0.775408	Inlier
siRNA Disorazole DMSO Run3	NM_0020 87	GRN	granulin	-0.573592	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0020 87	GRN	granulin	-0.438852	Inlier
siRNA Disorazole DMSO Run1	NM_0020 87	GRN	granulin	0.438852	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0020 87	GRN	granulin	0.563083	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0020 87	GRN	granulin	1.265697	Inlier
siRNA Disorazole DMSO Run2	NM_0020 87	GRN	granulin	1.917343	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0053 14	GRPR	gastrin-releasing peptide receptor	-1.031692	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0053 14	GRPR	gastrin-releasing peptide receptor	-0.775843	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0053 14	GRPR	gastrin-releasing peptide receptor	-0.328015	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0053 14	GRPR	gastrin-releasing peptide receptor	-0.137249	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0053 14	GRPR	gastrin-releasing peptide receptor	0.137248	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0053 14	GRPR	gastrin-releasing peptide receptor	0.573157	Inlier
siRNA Disorazole DMSO Run2	NM_0053 14	GRPR	gastrin-releasing peptide receptor	0.834326	Inlier
siRNA Disorazole DMSO Run3	NM_0053 14	GRPR	gastrin-releasing peptide receptor	2.528537	Inlier
siRNA Disorazole DMSO Run2	NM_0319 65	GSG2	germ cell associated 2 (haspin)	-0.802326	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0319 65	GSG2	germ cell associated 2 (haspin)	-0.776169	Inlier
siRNA Disorazole DMSO Run3	NM_0319 65	GSG2	germ cell associated 2 (haspin)	-0.031313	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0319 65	GSG2	germ cell associated 2 (haspin)	-0.023513	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0319 65	GSG2	germ cell associated 2 (haspin)	0.023513	Inlier
siRNA Disorazole DMSO Run1	NM_0319 65	GSG2	germ cell associated 2 (haspin)	0.656608	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0319 65	GSG2	germ cell associated 2 (haspin)	0.692392	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0319 65	GSG2	germ cell associated 2 (haspin)	0.920965	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0198 84	GSK3A	glycogen synthase kinase 3 alpha	-0.986594	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0198 84	GSK3A	glycogen synthase kinase 3 alpha	-0.405043	Inlier
siRNA Disorazole DMSO Run1	NM_0198 84	GSK3A	glycogen synthase kinase 3 alpha	-0.159997	Inlier
siRNA Disorazole DMSO Run3	NM_0198 84	GSK3A	glycogen synthase kinase 3 alpha	-0.046763	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0198 84	GSK3A	glycogen synthase kinase 3 alpha	0.046763	Inlier
siRNA Disorazole DMSO Run2	NM_0198 84	GSK3A	glycogen synthase kinase 3 alpha	0.943957	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0198 84	GSK3A	glycogen synthase kinase 3 alpha	1.360954	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0198 84	GSK3A	glycogen synthase kinase 3 alpha	1.714399	Inlier
siRNA Disorazole DMSO Run2	NM_0020 93	GSK3B	glycogen synthase kinase 3 beta	-2.459193	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0020 93	GSK3B	glycogen synthase kinase 3 beta	-2.318178	Inlier
siRNA Disorazole DMSO Run3	NM_0020 93	GSK3B	glycogen synthase kinase 3 beta	-0.880955	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0020 93	GSK3B	glycogen synthase kinase 3 beta	-0.322024	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0020 93	GSK3B	glycogen synthase kinase 3 beta	0.322024	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0020 93	GSK3B	glycogen synthase kinase 3 beta	0.416593	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0020 93	GSK3B	glycogen synthase kinase 3 beta	0.468045	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0020 93	GSK3B	glycogen synthase kinase 3 beta	2.557368	Inlier
siRNA Disorazole DMSO Run3	NM_0006 37	GSR	glutathione reductase	-1.429031	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0006 37	GSR	glutathione reductase	-1.382599	Inlier
siRNA Disorazole DMSO Run1	NM_0006 37	GSR	glutathione reductase	-0.676475	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0006 37	GSR	glutathione reductase	-0.356262	Inlier
siRNA Disorazole DMSO Run2	NM_0006 37	GSR	glutathione reductase	0.356262	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0006 37	GSR	glutathione reductase	0.507549	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0006 37	GSR	glutathione reductase	0.672525	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0006 37	GSR	glutathione reductase	0.69125	Inlier
siRNA Disorazole DMSO Run1	NM_0001 78	GSS	glutathione synthetase	-1.632541	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0001 78	GSS	glutathione synthetase	-0.787596	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0001 78	GSS	glutathione synthetase	-0.561404	Inlier
siRNA Disorazole DMSO Run3	NM_0001 78	GSS	glutathione synthetase	-0.139332	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0001 78	GSS	glutathione synthetase	0.139332	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0001 78	GSS	glutathione synthetase	0.548036	Inlier
siRNA Disorazole DMSO Run2	NM_0001 78	GSS	glutathione synthetase	0.849204	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0001 78	GSS	glutathione synthetase	1.173311	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1457 40	GSTA1	glutathione S-transferase A1	-1.258128	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1457 40	GSTA1	glutathione S-transferase A1	-1.12398	Inlier
siRNA Disorazole DMSO Run3	NM_1457 40	GSTA1	glutathione S-transferase A1	-0.180856	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1457 40	GSTA1	glutathione S-transferase A1	-0.009636	Inlier
siRNA Disorazole DMSO Run1	NM_1457 40	GSTA1	glutathione S-transferase A1	0.009636	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1457 40	GSTA1	glutathione S-transferase A1	0.22502	Inlier
siRNA Disorazole DMSO Run2	NM_1457 40	GSTA1	glutathione S-transferase A1	1.553883	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1457 40	GSTA1	glutathione S-transferase A1	1.862936	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0008 46	GSTA2	glutathione S-transferase A2	-1.671579	Inlier
siRNA Disorazole DMSO Run1	NM_0008 46	GSTA2	glutathione S-transferase A2	-0.507051	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Run	Condition	Log2FC	Outlier
siRNA Disorazole DMSO Run3	GSTA2	NM_000846	46	DMSO	-0.429652	Inlier
siRNA-Vinblastine Run2-DMSO	GSTA2	NM_000846	46	DMSO	-0.13549	Inlier
siRNA-Temozolomide Run1-DMSO	GSTA2	NM_000846	46	DMSO	0.13549	Inlier
siRNA-Temozolomide Run2-DMSO	GSTA2	NM_000846	46	DMSO	0.841949	Inlier
siRNA-Vinblastine Run1-DMSO	GSTA2	NM_000846	46	DMSO	3.052933	Inlier
siRNA Disorazole DMSO Run2	GSTA2	NM_000846	46	DMSO	3.417035	Inlier
siRNA-Temozolomide Run2-DMSO	GSTA3	NM_000847	47	DMSO	-0.816938	Inlier
siRNA Disorazole DMSO Run1	GSTA3	NM_000847	47	DMSO	-0.768796	Inlier
siRNA-Temozolomide Run3-DMSO	GSTA3	NM_000847	47	DMSO	-0.580204	Inlier
siRNA-Temozolomide Run1-DMSO	GSTA3	NM_000847	47	DMSO	-0.38921	Inlier
siRNA Disorazole DMSO Run3	GSTA3	NM_000847	47	DMSO	0.38921	Inlier
siRNA-Vinblastine Run2-DMSO	GSTA3	NM_000847	47	DMSO	0.445713	Inlier
siRNA Disorazole DMSO Run2	GSTA3	NM_000847	47	DMSO	3.341103	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log2 Fold Change	Classification
siRNA-Vinblastine Run1-DMSO	NM_000847	GSTA3	glutathione S-transferase A3	3.604254	Outlier
siRNA-Temozolomide Run3-DMSO	NM_001512	GSTA4	glutathione S-transferase A4	-4.857361	Outlier
siRNA Disorazole DMSO Run3	NM_001512	GSTA4	glutathione S-transferase A4	-0.7294	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001512	GSTA4	glutathione S-transferase A4	-0.134959	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001512	GSTA4	glutathione S-transferase A4	-0.085642	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001512	GSTA4	glutathione S-transferase A4	0.085642	Inlier
siRNA Disorazole DMSO Run1	NM_001512	GSTA4	glutathione S-transferase A4	0.6196	Inlier
siRNA Disorazole DMSO Run2	NM_001512	GSTA4	glutathione S-transferase A4	3.292755	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001512	GSTA4	glutathione S-transferase A4	4.402587	Outlier
siRNA Disorazole DMSO Run1	NM_153699	GSTA5	glutathione S-transferase A5	-0.694757	Inlier
siRNA-Temozolomide Run3-DMSO	NM_153699	GSTA5	glutathione S-transferase A5	-0.654243	Inlier
siRNA-Temozolomide Run1-DMSO	NM_153699	GSTA5	glutathione S-transferase A5	-0.405554	Inlier
siRNA-Vinblastine Run2-DMSO	NM_153699	GSTA5	glutathione S-transferase A5	-0.203945	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_1536 99	GSTA5	glutathione S- transferas e A5	0.203945	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1536 99	GSTA5	glutathione S- transferas e A5	0.990195	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1536 99	GSTA5	glutathione S- transferas e A5	4.567202	Outlier
siRNA Disorazole DMSO Run2	NM_1536 99	GSTA5	glutathione S- transferas e A5	4.773218	Outlier
siRNA Disorazole DMSO Run1	NM_0159 17	GSTK1	glutathione S- transferas e kappa 1	-1.190774	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0159 17	GSTK1	glutathione S- transferas e kappa 1	-0.741901	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0159 17	GSTK1	glutathione S- transferas e kappa 1	-0.607099	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0159 17	GSTK1	glutathione S- transferas e kappa 1	-0.036295	Inlier
siRNA Disorazole DMSO Run3	NM_0159 17	GSTK1	glutathione S- transferas e kappa 1	0.036296	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0159 17	GSTK1	glutathione S- transferas e kappa 1	0.420114	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0159 17	GSTK1	glutathione S- transferas e kappa 1	1.374718	Inlier
siRNA Disorazole DMSO Run2	NM_0159 17	GSTK1	glutathione S- transferas e kappa 1	1.418013	Inlier
siRNA Disorazole DMSO Run1	NM_1464 21	GSTM1	glutathione S- transferas e M1	-0.780767	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Log2 Fold Change	Classification
siRNA Disorazole DMSO Run3	NM_1464 21	GSTM1	-0.655567	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1464 21	GSTM1	-0.375752	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1464 21	GSTM1	-0.200698	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1464 21	GSTM1	0.200698	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1464 21	GSTM1	0.693433	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1464 21	GSTM1	4.05402	Outlier
siRNA Disorazole DMSO Run2	NM_1464 21	GSTM1	4.340309	Outlier
siRNA Disorazole DMSO Run1	NM_0008 48	GSTM2	-1.263072	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0008 48	GSTM2	-1.180597	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0008 48	GSTM2	-0.796914	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0008 48	GSTM2	-0.077772	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Source	Value	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_000848	GSTM2	glutathione S-transferase M2 (muscle)	0.077772	Inlier
siRNA Disorazole DMSO Run3	NM_000848	GSTM2	glutathione S-transferase M2 (muscle)	0.277125	Inlier
siRNA Disorazole DMSO Run2	NM_000848	GSTM2	glutathione S-transferase M2 (muscle)	0.552085	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000848	GSTM2	glutathione S-transferase M2 (muscle)	0.883454	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000849	GSTM3	glutathione S-transferase M3 (brain)	-1.492422	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000849	GSTM3	glutathione S-transferase M3 (brain)	-0.850315	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000849	GSTM3	glutathione S-transferase M3 (brain)	-0.202371	Inlier
siRNA Disorazole DMSO Run1	NM_000849	GSTM3	glutathione S-transferase M3 (brain)	-0.107839	Inlier
siRNA Disorazole DMSO Run3	NM_000849	GSTM3	glutathione S-transferase M3 (brain)	0.107839	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000849	GSTM3	glutathione S-transferase M3 (brain)	0.498685	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Expression Value	Classification
siRNA Disorazole DMSO Run2	NM_0008 49	GSTM3	1.252612	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0008 49	GSTM3	1.568785	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1471 49	GSTM4	-0.721898	Inlier
siRNA Disorazole DMSO Run3	NM_1471 49	GSTM4	-0.627102	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1471 49	GSTM4	-0.575643	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1471 49	GSTM4	-0.337575	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1471 49	GSTM4	0.337575	Inlier
siRNA Disorazole DMSO Run1	NM_1471 49	GSTM4	1.163327	Inlier
siRNA Disorazole DMSO Run2	NM_1471 49	GSTM4	7.504129	Outlier
siRNA-Vinblastine Run1-DMSO	NM_1471 49	GSTM4	8.403131	Outlier
siRNA Disorazole DMSO Run1	NM_0008 51	GSTM5	-1.510247	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0008 51	GSTM5	-1.14548	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0008 51	GSTM5	glutathione S- transferas e M5	-0.20352	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0008 51	GSTM5	glutathione S- transferas e M5	-0.040457	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0008 51	GSTM5	glutathione S- transferas e M5	0.040458	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0008 51	GSTM5	glutathione S- transferas e M5	0.128564	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0008 51	GSTM5	glutathione S- transferas e M5	2.443737	Inlier
siRNA Disorazole DMSO Run2	NM_0008 51	GSTM5	glutathione S- transferas e M5	2.816029	Inlier
siRNA Disorazole DMSO Run1	NM_0048 32	GSTO1	glutathione S- transferas e omega 1	-1.708662	Inlier
siRNA Disorazole DMSO Run3	NM_0048 32	GSTO1	glutathione S- transferas e omega 1	-0.861219	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0048 32	GSTO1	glutathione S- transferas e omega 1	-0.693933	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0048 32	GSTO1	glutathione S- transferas e omega 1	-0.047503	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0048 32	GSTO1	glutathione S- transferas e omega 1	0.047503	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0048 32	GSTO1	glutathione S- transferas e omega 1	0.138002	Inlier
siRNA Disorazole DMSO Run2	NM_0048 32	GSTO1	glutathione S- transferas e omega 1	0.655067	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0048 32	GSTO1	glutathione S- transferas e omega 1	1.046389	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1832 39	GSTO2	glutathione S- transferas e omega 2	-1.778639	Inlier
siRNA Disorazole DMSO Run1	NM_1832 39	GSTO2	glutathione S- transferas e omega 2	-0.872958	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1832 39	GSTO2	glutathione S- transferas e omega 2	-0.443963	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1832 39	GSTO2	glutathione S- transferas e omega 2	-0.189858	Inlier
siRNA Disorazole DMSO Run3	NM_1832 39	GSTO2	glutathione S- transferas e omega 2	0.189859	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1832 39	GSTO2	glutathione S- transferas e omega 2	0.476042	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1832 39	GSTO2	glutathione S- transferas e omega 2	2.189415	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_1832	39	GSTO2	glutathione S-transferase omega 2	2.675414	Inlier
siRNA Disorazole DMSO Run1	NM_0008	52	GSTP1	glutathione S-transferase pi	-0.948759	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0008	52	GSTP1	glutathione S-transferase pi	-0.635882	Inlier
siRNA Disorazole DMSO Run3	NM_0008	52	GSTP1	glutathione S-transferase pi	-0.508104	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0008	52	GSTP1	glutathione S-transferase pi	-0.253003	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0008	52	GSTP1	glutathione S-transferase pi	0.253003	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0008	52	GSTP1	glutathione S-transferase pi	0.713118	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0008	52	GSTP1	glutathione S-transferase pi	4.334286	Outlier
siRNA Disorazole DMSO Run2	NM_0008	52	GSTP1	glutathione S-transferase pi	4.75641	Outlier
siRNA Disorazole DMSO Run1	NM_0008	53	GSTT1	glutathione S-transferase theta 1	-1.150538	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0008	53	GSTT1	glutathione S-transferase theta 1	-0.882057	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0008	53	GSTT1	glutathione S-transferase theta 1	-0.541018	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0008 53	GSTT1	glutathione S-transferase theta 1	-0.150136	Inlier
siRNA Disorazole DMSO Run3	NM_0008 53	GSTT1	glutathione S-transferase theta 1	0.150136	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0008 53	GSTT1	glutathione S-transferase theta 1	0.360773	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0008 53	GSTT1	glutathione S-transferase theta 1	0.807982	Inlier
siRNA Disorazole DMSO Run2	NM_0008 53	GSTT1	glutathione S-transferase theta 1	1.292143	Inlier
siRNA Disorazole DMSO Run1	NM_0008 54	GSTT2	glutathione S-transferase theta 2	-1.382354	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0008 54	GSTT2	glutathione S-transferase theta 2	-0.882491	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0008 54	GSTT2	glutathione S-transferase theta 2	-0.466509	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0008 54	GSTT2	glutathione S-transferase theta 2	-0.360698	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0008 54	GSTT2	glutathione S-transferase theta 2	0.360699	Inlier
siRNA Disorazole DMSO Run3	NM_0008 54	GSTT2	glutathione S-transferase theta 2	0.439379	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0008 54	GSTT2	glutathione S-transferase theta 2	1.315416	Inlier
siRNA Disorazole DMSO Run2	NM_0008 54	GSTT2	glutathione S-transferase theta 2	1.87311	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_1458 70	GSTZ1	glutathione transferase zeta 1 (maleylacetate isomerase)	-3.819593 Outlier
siRNA Disorazole DMSO Run3	NM_1458 70	GSTZ1	glutathione transferase zeta 1 (maleylacetate isomerase)	-1.042414 Inlier
siRNA-Temozolomide Run2-DMSO	NM_1458 70	GSTZ1	glutathione transferase zeta 1 (maleylacetate isomerase)	-0.066116 Inlier
siRNA-Vinblastine Run2-DMSO	NM_1458 70	GSTZ1	glutathione transferase zeta 1 (maleylacetate isomerase)	-0.003452 Inlier
siRNA-Temozolomide Run1-DMSO	NM_1458 70	GSTZ1	glutathione transferase zeta 1 (maleylacetate isomerase)	0.003453 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1458 70	GSTZ1	glutathione transferas e zeta 1 (maleylace toacetate isomerase)	0.306586	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1458 70	GSTZ1	glutathione transferas e zeta 1 (maleylace toacetate isomerase)	1.277599	Inlier
siRNA Disorazole DMSO Run2	NM_1458 70	GSTZ1	glutathione transferas e zeta 1 (maleylace toacetate isomerase)	2.548388	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0004 09	GUCA1A	guanylate cyclase activator 1A (retina)	-2.043149	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0004 09	GUCA1A	guanylate cyclase activator 1A (retina)	-0.798811	Inlier
siRNA Disorazole DMSO Run3	NM_0004 09	GUCA1A	guanylate cyclase activator 1A (retina)	-0.501846	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0004 09	GUCA1A	guanylate cyclase activator 1A (retina)	-0.436938	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0004 09	GUCA1A	guanylate cyclase activator 1A (retina)	0.436938	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0004 09	GUCA1A	guanylate cyclase activator 1A (retina)	0.550189	Inlier
siRNA Disorazole DMSO Run2	NM_0004 09	GUCA1A	guanylate cyclase activator 1A (retina)	3.017549	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0004 09	GUCA1A	guanylate cyclase activator 1A (retina)	3.802841	Outlier
siRNA-Temozolomide Run2- DMSO	NM_0020 98	GUCA1B	guanylate cyclase activator 1B (retina)	-1.300493	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0020 98	GUCA1B	guanylate cyclase activator 1B (retina)	-0.882585	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0020 98	GUCA1B	guanylate cyclase activator 1B (retina)	-0.686233	Inlier
siRNA Disorazole DMSO Run3	NM_0020 98	GUCA1B	guanylate cyclase activator 1B (retina)	-0.3019	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0020 98	GUCA1B	guanylate cyclase activator 1B (retina)	0.3019	Inlier
siRNA Disorazole DMSO Run1	NM_0020 98	GUCA1B	guanylate cyclase activator 1B (retina)	0.560849	Inlier
siRNA Disorazole DMSO Run2	NM_0020 98	GUCA1B	guanylate cyclase activator 1B (retina)	0.662767	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0020 98	GUCA1B	guanylate cyclase activator 1B (retina)	0.864607	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0054 59	GUCA1C	guanylate cyclase activator 1C	-1.217408	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0054 59	GUCA1C	guanylate cyclase activator 1C	-1.052787	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0054 59	GUCA1C	guanylate cyclase activator 1C	-0.131728	Inlier
siRNA Disorazole DMSO Run3	NM_0054 59	GUCA1C	guanylate cyclase activator 1C	-0.043976	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0054 59	GUCA1C	guanylate cyclase activator 1C	0.043976	Inlier
siRNA Disorazole DMSO Run1	NM_0054 59	GUCA1C	guanylate cyclase activator 1C	0.296213	Inlier
siRNA Disorazole DMSO Run2	NM_0054 59	GUCA1C	guanylate cyclase activator 1C	1.425854	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0054 59	GUCA1C	guanylate cyclase activator 1C	1.548316	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0335 53	GUCA2A	guanylate cyclase activator 2A (guanylin)	-0.941666	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0335 53	GUCA2A	guanylate cyclase activator 2A (guanylin)	-0.407334	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0335 53	GUCA2A	guanylate cyclase activator 2A (guanylin)	-0.325392	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Gene	Protein	Log2FC	Outlier
siRNA Disorazole DMSO Run3	NM_0335	53	GUCA2A	guanylate cyclase activator 2A (guanylin)	-0.173154	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0335	53	GUCA2A	guanylate cyclase activator 2A (guanylin)	0.173154	Inlier
siRNA Disorazole DMSO Run1	NM_0335	53	GUCA2A	guanylate cyclase activator 2A (guanylin)	1.637609	Inlier
siRNA Disorazole DMSO Run2	NM_0335	53	GUCA2A	guanylate cyclase activator 2A (guanylin)	2.26079	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0335	53	GUCA2A	guanylate cyclase activator 2A (guanylin)	2.63283	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0071	02	GUCA2B	(uroguanylin)	-0.811994	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0071	02	GUCA2B	(uroguanylin)	-0.794766	Inlier
siRNA Disorazole DMSO Run3	NM_0071	02	GUCA2B	(uroguanylin)	-0.225914	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0071	02	GUCA2B	(uroguanylin)	-0.217044	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_007102	GUCA2B	guanylate cyclase activator 2B (uroguanylin)	0.217044	Inlier
siRNA Disorazole DMSO Run1	NM_007102	GUCA2B	guanylate cyclase activator 2B (uroguanylin)	0.648985	Inlier
siRNA-Vinblastine Run1-DMSO	NM_007102	GUCA2B	guanylate cyclase activator 2B (uroguanylin)	0.700015	Inlier
siRNA Disorazole DMSO Run2	NM_007102	GUCA2B	guanylate cyclase activator 2B (uroguanylin)	0.844056	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000855	GUCY1A2	guanylate cyclase 1, soluble, alpha 2	-0.890652	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000855	GUCY1A2	guanylate cyclase 1, soluble, alpha 2	-0.698506	Inlier
siRNA Disorazole DMSO Run3	NM_000855	GUCY1A2	guanylate cyclase 1, soluble, alpha 2	-0.541136	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000855	GUCY1A2	guanylate cyclase 1, soluble, alpha 2	-0.228207	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000855	GUCY1A2	guanylate cyclase 1, soluble, alpha 2	0.228207	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0008 55	GUCY1A2	guanylate cyclase 1, soluble, alpha 2	0.650494	Inlier
siRNA Disorazole DMSO Run2	NM_0008 55	GUCY1A2	guanylate cyclase 1, soluble, alpha 2	5.308463	Outlier
siRNA-Vinblastine Run1-DMSO	NM_0008 55	GUCY1A2	guanylate cyclase 1, soluble, alpha 2	5.398683	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0008 56	GUCY1A3	guanylate cyclase 1, soluble, alpha 3	-0.844651	Inlier
siRNA Disorazole DMSO Run3	NM_0008 56	GUCY1A3	guanylate cyclase 1, soluble, alpha 3	-0.504349	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0008 56	GUCY1A3	guanylate cyclase 1, soluble, alpha 3	-0.495567	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0008 56	GUCY1A3	guanylate cyclase 1, soluble, alpha 3	-0.139391	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0008 56	GUCY1A3	guanylate cyclase 1, soluble, alpha 3	0.139391	Inlier
siRNA Disorazole DMSO Run1	NM_0008 56	GUCY1A3	guanylate cyclase 1, soluble, alpha 3	1.622572	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0008 56	GUCY1A3	guanylate cyclase 1, soluble, alpha 3	2.850219	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0008 56	GUCY1A3	guanylate cyclase 1, soluble, alpha 3	3.184819	Inlier
siRNA Disorazole DMSO Run1	NM_0041 29	GUCY1B2	guanylate cyclase 1, soluble, beta 2	-1.223771	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0041 29	GUCY1B2	guanylate cyclase 1, soluble, beta 2	-0.937203	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0041 29	GUCY1B2	guanylate cyclase 1, soluble, beta 2	-0.77596	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0041 29	GUCY1B2	guanylate cyclase 1, soluble, beta 2	-0.223617	Inlier
siRNA Disorazole DMSO Run3	NM_0041 29	GUCY1B2	guanylate cyclase 1, soluble, beta 2	0.223617	Inlier
siRNA Disorazole DMSO Run2	NM_0041 29	GUCY1B2	guanylate cyclase 1, soluble, beta 2	0.298184	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0041 29	GUCY1B2	guanylate cyclase 1, soluble, beta 2	0.648373	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0041 29	GUCY1B2	guanylate cyclase 1, soluble, beta 2	0.700627	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0008 57	GUCY1B3	guanylate cyclase 1, soluble, beta 3	-1.027514	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0008 57	GUCY1B3	guanylate cyclase 1, soluble, beta 3	-0.648567	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0008 57	GUCY1B3	guanylate cyclase 1, soluble, beta 3	-0.201204	Inlier
siRNA Disorazole DMSO Run3	NM_0008 57	GUCY1B3	guanylate cyclase 1, soluble, beta 3	-0.101774	Inlier
siRNA Disorazole DMSO Run1	NM_0008 57	GUCY1B3	guanylate cyclase 1, soluble, beta 3	0.101774	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0008 57	GUCY1B3	guanylate cyclase 1, soluble, beta 3	0.700433	Inlier
siRNA Disorazole DMSO Run2	NM_0008 57	GUCY1B3	guanylate cyclase 1, soluble, beta 3	1.199766	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0008 57	GUCY1B3	guanylate cyclase 1, soluble, beta 3	1.646264	Inlier
siRNA Disorazole DMSO Run2	NM_0049 63	GUCY2C	guanylate cyclase 2C (heat stable enterotoxin receptor)	-0.879875	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0049 63	GUCY2C	guanylate cyclase 2C (heat stable enterotoxin receptor)	-0.723571	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0049 63	GUCY2C	guanylate cyclase 2C (heat stable enterotoxin receptor)	-0.572526	Inlier
siRNA Disorazole DMSO Run3	NM_0049 63	GUCY2C	guanylate cyclase 2C (heat stable enterotoxin receptor)	-0.444856	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0049 63	GUCY2C	guanylate cyclase 2C (heat stable enterotoxin receptor)	0.444856	Inlier
siRNA Disorazole DMSO Run1	NM_0049 63	GUCY2C	guanylate cyclase 2C (heat stable enterotoxin receptor)	0.625429	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0049 63	GUCY2C	guanylate cyclase 2C (heat stable enterotoxin receptor)	1.145408	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0049 63	GUCY2C	guanylate cyclase 2C (heat stable enterotoxin receptor)	1.179373	Inlier
siRNA Disorazole DMSO Run2	NM_0001 80	GUCY2D	guanylate cyclase 2D, membrane (retina-specific)	-2.759481	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0001 80	GUCY2D	guanylate cyclase 2D, membrane (retina-specific)	-1.398094	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0001 80	GUCY2D	guanylate cyclase 2D, membrane (retina-specific)	-0.881346	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0001 80	GUCY2D	guanylate cyclase 2D, membrane (retina-specific)	-0.345051	Inlier
siRNA Disorazole DMSO Run1	NM_0001 80	GUCY2D	guanylate cyclase 2D, membrane (retina-specific)	0.345052	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0001 80	GUCY2D	guanylate cyclase 2D, membrane (retina-specific)	0.453644	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0001 80	GUCY2D	guanylate cyclase 2D, membrane (retina-specific)	0.520373	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0001 80	GUCY2D	guanylate cyclase 2D, membrane (retina-specific)	0.828627	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0015 22	GUCY2F	guanylate cyclase 2F, retinal	-1.052231	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0015 22	GUCY2F	guanylate cyclase 2F, retinal	-0.600394	Inlier
siRNA Disorazole DMSO Run2	NM_0015 22	GUCY2F	guanylate cyclase 2F, retinal	-0.277031	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA Treatment	Gene	Accession	Gene	Function	Value	Outlier
Molecular Pharmacology siRNA-Temozolomide Run1- DMSO	NM_0015	22	GUCY2F	guanylate cyclase 2F, retinal	-0.019185	Inlier
siRNA Disorazole DMSO Run3	NM_0015	22	GUCY2F	guanylate cyclase 2F, retinal	0.019186	Inlier
siRNA Disorazole DMSO Run1	NM_0015	22	GUCY2F	guanylate cyclase 2F, retinal	0.748606	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0015	22	GUCY2F	guanylate cyclase 2F, retinal	0.799805	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0015	22	GUCY2F	guanylate cyclase 2F, retinal	1.157213	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0008	58	GUK1	guanylate kinase 1	-0.761386	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0008	58	GUK1	guanylate kinase 1	-0.750936	Inlier
siRNA Disorazole DMSO Run2	NM_0008	58	GUK1	guanylate kinase 1	-0.598064	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0008	58	GUK1	guanylate kinase 1	-0.402805	Inlier
siRNA Disorazole DMSO Run3	NM_0008	58	GUK1	guanylate kinase 1	0.402804	Inlier
siRNA Disorazole DMSO Run1	NM_0008	58	GUK1	guanylate kinase 1	0.478928	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0008	58	GUK1	guanylate kinase 1	1.288295	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0008	58	GUK1	guanylate kinase 1	2.125132	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0163	15	GULP1	GULP, engulfmen t adaptor PTB domain containing 1	-1.984896	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0163	15	GULP1	GULP, engulfmen t adaptor PTB domain containing 1	-1.330481	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0163	15	GULP1	GULP, engulfmen t adaptor PTB domain containing 1	-0.572978	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0163 15	GULP1	GULP, engulfmen t adaptor PTB domain containing 1	-0.176313	Inlier
siRNA Disorazole DMSO Run1	NM_0163 15	GULP1	GULP, engulfmen t adaptor PTB domain containing 1	0.176313	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0163 15	GULP1	GULP, engulfmen t adaptor PTB domain containing 1	0.3538	Inlier
siRNA Disorazole DMSO Run2	NM_0163 15	GULP1	GULP, engulfmen t adaptor PTB domain containing 1	0.776022	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0163 15	GULP1	GULP, engulfmen t adaptor PTB domain containing 1	1.404686	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0001 81	GUSB	glucuronid ase, beta	-0.79013	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0001 81	GUSB	glucuronid ase, beta	-0.55887	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0001 81	GUSB	glucuronid ase, beta	-0.298912	Inlier
siRNA Disorazole DMSO Run3	NM_0001 81	GUSB	glucuronid ase, beta	-0.108681	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0001 81	GUSB	glucuronid ase, beta	0.108681	Inlier
siRNA Disorazole DMSO Run1	NM_0001 81	GUSB	glucuronid ase, beta	0.837214	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0001 81	GUSB	glucuronid ase, beta	2.894703	Inlier
siRNA Disorazole DMSO Run2	NM_0001 81	GUSB	glucuronid ase, beta	2.965525	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_0041				
siRNA Disorazole DMSO Run1	30	GYG	glycogenin	-2.214658	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0041 30	GYG	glycogenin	-1.067375	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0041 30	GYG	glycogenin	-0.827779	Inlier
siRNA Disorazole DMSO Run3	NM_0041 30	GYG	glycogenin	-0.070974	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0041 30	GYG	glycogenin	0.070974	Inlier
siRNA Disorazole DMSO Run2	NM_0041 30	GYG	glycogenin	0.184986	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0041 30	GYG	glycogenin	0.521221	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0041 30	GYG	glycogenin	2.732123	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0039 18	GYG2	glycogenin 2	-1.050265	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0039 18	GYG2	glycogenin 2	-0.796693	Inlier
siRNA Disorazole DMSO Run3	NM_0039 18	GYG2	glycogenin 2	-0.613973	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0039 18	GYG2	glycogenin 2	-0.22727	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0039 18	GYG2	glycogenin 2	0.22727	Inlier
siRNA Disorazole DMSO Run1	NM_0039 18	GYG2	glycogenin 2	0.397131	Inlier
siRNA Disorazole DMSO Run2	NM_0039 18	GYG2	glycogenin 2	0.735027	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0039 18	GYG2	glycogenin 2	2.737396	Inlier
siRNA Disorazole DMSO Run3	NM_0021 03	GYS1	glycogen synthase 1 (muscle)	-1.503193	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0021 03	GYS1	glycogen synthase 1 (muscle)	-1.221473	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0021 03	GYS1	glycogen synthase 1 (muscle)	-0.384051	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0021 03	GYS1	glycogen synthase 1 (muscle)	-0.017382	Inlier
siRNA Disorazole DMSO Run1	NM_0021 03	GYS1	glycogen synthase 1 (muscle)	0.017382	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_002103	GYS1	glycogen synthase 1 (muscle)	0.530912 Inlier
siRNA-Vinblastine Run1-DMSO	NM_002103	GYS1	glycogen synthase 1 (muscle)	0.818088 Inlier
siRNA Disorazole DMSO Run2	NM_002103	GYS1	glycogen synthase 1 (muscle)	1.101016 Inlier
siRNA-Temozolomide Run2-DMSO	NM_021957	GYS2	glycogen synthase 2 (liver)	-1.368181 Inlier
siRNA Disorazole DMSO Run1	NM_021957	GYS2	glycogen synthase 2 (liver)	-0.518089 Inlier
siRNA Disorazole DMSO Run3	NM_021957	GYS2	glycogen synthase 2 (liver)	-0.46725 Inlier
siRNA-Vinblastine Run2-DMSO	NM_021957	GYS2	glycogen synthase 2 (liver)	-0.063392 Inlier
siRNA-Temozolomide Run3-DMSO	NM_021957	GYS2	glycogen synthase 2 (liver)	0.063392 Inlier
siRNA-Temozolomide Run1-DMSO	NM_021957	GYS2	glycogen synthase 2 (liver)	0.830911 Inlier
siRNA Disorazole DMSO Run2	NM_021957	GYS2	glycogen synthase 2 (liver)	1.476763 Inlier
siRNA-Vinblastine Run1-DMSO	NM_021957	GYS2	glycogen synthase 2 (liver)	3.574825 Outlier
siRNA-Temozolomide Run3-DMSO	NM_006144	GZMA	granzyme A (granzyme 1, cytotoxic T-lymphocyte-associated serine esterase 3)	-1.269802 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0061 44	GZMA	granzyme A (granzyme 1, cytotoxic T- lymphocyt e- associated serine esterase 3)	-0.877128	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0061 44	GZMA	granzyme A (granzyme 1, cytotoxic T- lymphocyt e- associated serine esterase 3)	-0.33063	Inlier
siRNA Disorazole DMSO Run1	NM_0061 44	GZMA	granzyme A (granzyme 1, cytotoxic T- lymphocyt e- associated serine esterase 3)	-0.042105	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0061 44	GZMA	granzyme A (granzyme 1, cytotoxic T- lymphocyt e- associated serine esterase 3)	0.042105	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0061 44	GZMA	granzyme A (granzyme 1, cytotoxic T- lymphocyt e- associated serine esterase 3)	0.471872	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0061 44	GZMA	granzyme A (granzyme 1, cytotoxic T- lymphocyt e- associated serine esterase 3)	0.968502	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0061 44	GZMA	granzyme A (granzyme 1, cytotoxic T- lymphocyt e- associated serine esterase 3)	1.3486	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0041 31	GZMB	granzyme B (granzyme 2, cytotoxic T- lymphocyt e- associated serine esterase 1)	-1.219766	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0041 31	GZMB	granzyme B (granzyme 2, cytotoxic T-lymphocyte-associated serine esterase 1)	-0.211579	Inlier
siRNA Disorazole DMSO Run3	NM_0041 31	GZMB	granzyme B (granzyme 2, cytotoxic T-lymphocyte-associated serine esterase 1)	-0.107496	Inlier
siRNA Disorazole DMSO Run2	NM_0041 31	GZMB	granzyme B (granzyme 2, cytotoxic T-lymphocyte-associated serine esterase 1)	-0.071846	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0041 31	GZMB	granzyme B (granzyme 2, cytotoxic T-lymphocyte-associated serine esterase 1)	0.071845	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_004131	GZMB	granzyme B (granzyme 2, cytotoxic T-lymphocyte-associated serine esterase 1)	1.137421	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004131	GZMB	granzyme B (granzyme 2, cytotoxic T-lymphocyte-associated serine esterase 1)	2.653852	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004131	GZMB	granzyme B (granzyme 2, cytotoxic T-lymphocyte-associated serine esterase 1)	3.148715	Inlier
siRNA-Temozolomide Run3-DMSO	NM_033423	GZMH	granzyme H (cathepsin G-like 2, protein h-CCPX)	-2.670359	Inlier
siRNA-Temozolomide Run1-DMSO	NM_033423	GZMH	granzyme H (cathepsin G-like 2, protein h-CCPX)	-0.697893	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0334 23	GZMH	granzyme H (cathepsin G-like 2, protein h- CCPX)	-0.60778	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0334 23	GZMH	granzyme H (cathepsin G-like 2, protein h- CCPX)	-0.114737	Inlier
siRNA Disorazole DMSO Run2	NM_0334 23	GZMH	granzyme H (cathepsin G-like 2, protein h- CCPX)	0.114737	Inlier
siRNA Disorazole DMSO Run3	NM_0334 23	GZMH	granzyme H (cathepsin G-like 2, protein h- CCPX)	0.651107	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0334 23	GZMH	granzyme H (cathepsin G-like 2, protein h- CCPX)	1.210424	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0334 23	GZMH	granzyme H (cathepsin G-like 2, protein h- CCPX)	2.38056	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0021 04	GZMK	granzyme K (serine protease, granzyme 3; tryptase II)	-1.161322	Inlier
siRNA Disorazole DMSO Run2	NM_0021 04	GZMK	granzyme K (serine protease, granzyme 3; tryptase II)	-0.70323	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_002104	GZMK	granzyme K (serine protease, granzyme 3; tryptase II)	-0.375495	Inlier
siRNA Disorazole DMSO Run3	NM_002104	GZMK	granzyme K (serine protease, granzyme 3; tryptase II)	-0.143036	Inlier
siRNA Disorazole DMSO Run1	NM_002104	GZMK	granzyme K (serine protease, granzyme 3; tryptase II)	0.143036	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002104	GZMK	granzyme K (serine protease, granzyme 3; tryptase II)	0.64577	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002104	GZMK	granzyme K (serine protease, granzyme 3; tryptase II)	1.058941	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002104	GZMK	granzyme K (serine protease, granzyme 3; tryptase II)	1.44159	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005317	GZMM	granzyme M (lymphocyte met-ase 1)	-6.07914	Outlier
siRNA-Temozolomide Run2-DMSO	NM_005317	GZMM	granzyme M (lymphocyte met-ase 1)	-5.014609	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0053 17	GZMM	granzyme M (lymphocyte met-ase 1)	-1.40581	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0053 17	GZMM	granzyme M (lymphocyte met-ase 1)	-0.173016	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0053 17	GZMM	granzyme M (lymphocyte met-ase 1)	0.173016	Inlier
siRNA Disorazole DMSO Run3	NM_0053 17	GZMM	granzyme M (lymphocyte met-ase 1)	0.435602	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0053 17	GZMM	granzyme M (lymphocyte met-ase 1)	0.479725	Inlier
siRNA Disorazole DMSO Run2	NM_0053 17	GZMM	granzyme M (lymphocyte met-ase 1)	0.869275	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0042 85	H6PD	hexose-6- phosphate dehydroge nase (glucose 1- dehydroge nase)	-1.541111	Inlier
siRNA Disorazole DMSO Run1	NM_0042 85	H6PD	hexose-6- phosphate dehydroge nase (glucose 1- dehydroge nase)	-0.825455	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_004285	H6PD	hexose-6-phosphate dehydrogenase (glucose 1-dehydrogenase)	-0.500339	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004285	H6PD	hexose-6-phosphate dehydrogenase (glucose 1-dehydrogenase)	-0.159633	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004285	H6PD	hexose-6-phosphate dehydrogenase (glucose 1-dehydrogenase)	0.159633	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004285	H6PD	hexose-6-phosphate dehydrogenase (glucose 1-dehydrogenase)	0.523545	Inlier
siRNA Disorazole DMSO Run3	NM_004285	H6PD	hexose-6-phosphate dehydrogenase (glucose 1-dehydrogenase)	2.493978	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0042 85	H6PD	hexose-6-phosphate dehydrogenase (glucose 1-dehydrogenase)	8.014344	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0122 05	HAAO	3-hydroxyanthranilate 3,4-dioxygenase	-1.160812	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0122 05	HAAO	3-hydroxyanthranilate 3,4-dioxygenase	-0.707166	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0122 05	HAAO	3-hydroxyanthranilate 3,4-dioxygenase	-0.641833	Inlier
siRNA Disorazole DMSO Run3	NM_0122 05	HAAO	3-hydroxyanthranilate 3,4-dioxygenase	-0.090519	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0122 05	HAAO	3-hydroxyanthranilate 3,4-dioxygenase	0.090519	Inlier
siRNA Disorazole DMSO Run1	NM_0122 05	HAAO	3-hydroxyanthranilate 3,4-dioxygenase	0.194897	Inlier
siRNA Disorazole DMSO Run2	NM_0122 05	HAAO	3-hydroxyanthranilate 3,4-dioxygenase	0.958374	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_012205	HAAO	3-hydroxyanthranilate 3,4-dioxygenase	1.24104	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004132	HABP2	hyaluronan binding protein 2	-1.763776	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004132	HABP2	hyaluronan binding protein 2	-0.877076	Inlier
siRNA Disorazole DMSO Run2	NM_004132	HABP2	hyaluronan binding protein 2	-0.471924	Inlier
siRNA Disorazole DMSO Run3	NM_004132	HABP2	hyaluronan binding protein 2	-0.296523	Inlier
siRNA Disorazole DMSO Run1	NM_004132	HABP2	hyaluronan binding protein 2	0.296523	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004132	HABP2	hyaluronan binding protein 2	0.428731	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004132	HABP2	hyaluronan binding protein 2	1.277946	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004132	HABP2	hyaluronan binding protein 2	1.792836	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004493	HADH2	hydroxyacyl-Coenzyme A dehydrogenase, type II	-3.329773	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004493	HADH2	hydroxyacyl-Coenzyme A dehydrogenase, type II	-2.624106	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004493	HADH2	hydroxyacyl-Coenzyme A dehydrogenase, type II	-0.370205	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0044 93	HADH2	hydroxyac yl- Coenzyme A dehydroge nase, type II	-0.294408	Inlier
siRNA Disorazole DMSO Run2	NM_0044 93	HADH2	hydroxyac yl- Coenzyme A dehydroge nase, type II	0.294408	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0044 93	HADH2	hydroxyac yl- Coenzyme A dehydroge nase, type II	0.637185	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0044 93	HADH2	hydroxyac yl- Coenzyme A dehydroge nase, type II	0.711815	Inlier
siRNA Disorazole DMSO Run3	NM_0044 93	HADH2	hydroxyac yl- Coenzyme A dehydroge nase, type II	2.362011	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_000182	HADHA	hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), alpha subunit	-0.809003	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000182	HADHA	hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), alpha subunit	-0.678186	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0001	HADHA	hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), alpha subunit	-0.588279	Inlier
siRNA Disorazole DMSO Run1	NM_0001	HADHA	hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), alpha subunit	-0.54768	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_000182	HADHA	hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), alpha subunit	0.547683	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000182	HADHA	hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), alpha subunit	0.670814	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_000182	HADHA	hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), alpha subunit	6.906344	Outlier
siRNA Disorazole DMSO Run3	NM_000182	HADHA	hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), alpha subunit	12.44652	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_000183	HADHB	hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), beta subunit	-1.816058	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000183	HADHB	hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), beta subunit	-1.450355	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0001 83	HADHB	hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), beta subunit	-0.818563	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0001 83	HADHB	hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), beta subunit	-0.188976	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0001 83	HADHB	hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), beta subunit	0.188976	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0001 83	HADHB	hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), beta subunit	0.30413	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_000183	HADHB	hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), beta subunit	0.530437	Inlier
siRNA Disorazole DMSO Run2	NM_000183	HADHB	hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), beta subunit	2.097203	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005327	HADHSC	L-3-hydroxyacyl-Coenzyme A dehydrogenase, short chain	-1.03151	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Log2 Fold Change	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_005327	HADHSC	-0.675845	Inlier
siRNA Disorazole DMSO Run3	NM_005327	HADHSC	-0.673155	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005327	HADHSC	-0.029349	Inlier
siRNA Disorazole DMSO Run1	NM_005327	HADHSC	0.029349	Inlier
siRNA Disorazole DMSO Run2	NM_005327	HADHSC	0.451846	Inlier

L-3-hydroxyacyl-Coenzyme A dehydrogenase, short chain

L-3-hydroxyacyl-Coenzyme A dehydrogenase, short chain

L-3-hydroxyacyl-Coenzyme A dehydrogenase, short chain

L-3-hydroxyacyl-Coenzyme A dehydrogenase, short chain

L-3-hydroxyacyl-Coenzyme A dehydrogenase, short chain

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Enzyme Name	Value	Category
siRNA-Vinblastine Run2-DMSO	NM_005327	HADHSC	L-3-hydroxyacyl-Coenzyme A dehydrogenase, short chain	0.931651	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005327	HADHSC	L-3-hydroxyacyl-Coenzyme A dehydrogenase, short chain	1.019745	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005326	HAGH	hydroxyacylglutathione hydrolase	-1.129166	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005326	HAGH	hydroxyacylglutathione hydrolase	-0.698003	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005326	HAGH	hydroxyacylglutathione hydrolase	-0.650997	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005326	HAGH	hydroxyacylglutathione hydrolase	-0.079265	Inlier
siRNA Disorazole DMSO Run3	NM_005326	HAGH	hydroxyacylglutathione hydrolase	0.079265	Inlier
siRNA Disorazole DMSO Run1	NM_005326	HAGH	hydroxyacylglutathione hydrolase	0.311986	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005326	HAGH	hydroxyacylglutathione hydrolase	1.139942	Inlier
siRNA Disorazole DMSO Run2	NM_005326	HAGH	hydroxyacylglutathione hydrolase	1.750099	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_2071 12	HAGHL	hydroxyac ylglutathio ne hydrolase- like	-1.781531	Inlier
siRNA Disorazole DMSO Run1	NM_2071 12	HAGHL	hydroxyac ylglutathio ne hydrolase- like	-0.789418	Inlier
siRNA-Temozolomide Run2-DMSO	NM_2071 12	HAGHL	hydroxyac ylglutathio ne hydrolase- like	-0.278465	Inlier
siRNA Disorazole DMSO Run3	NM_2071 12	HAGHL	hydroxyac ylglutathio ne hydrolase- like	-0.240124	Inlier
siRNA-Temozolomide Run3-DMSO	NM_2071 12	HAGHL	hydroxyac ylglutathio ne hydrolase- like	0.240122	Inlier
siRNA-Vinblastine Run2-DMSO	NM_2071 12	HAGHL	hydroxyac ylglutathio ne hydrolase- like	0.559582	Inlier
siRNA Disorazole DMSO Run2	NM_2071 12	HAGHL	hydroxyac ylglutathio ne hydrolase- like	4.665649	Outlier
siRNA-Vinblastine Run1-DMSO	NM_2071 12	HAGHL	hydroxyac ylglutathio ne hydrolase- like	6.51706	Outlier
siRNA Disorazole DMSO Run2	NM_0529 47	HAK	alpha- kinase 2	-2.983174	Inlier
siRNA Disorazole DMSO Run3	NM_0529 47	HAK	alpha- kinase 2	-2.087055	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0529 47	HAK	alpha- kinase 2	-0.569225	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0529 47	HAK	alpha- kinase 2	-0.470785	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0529 47	HAK	alpha- kinase 2	0.470785	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0529 47	HAK	alpha- kinase 2	0.626025	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_0529		alpha-		
siRNA Disorazole DMSO Run1	47	HAK	kinase 2	0.722975	Inlier
siRNA-Vinblastine Run2-	NM_0529		alpha-		
DMSO	47	HAK	kinase 2	2.275443	Inlier
siRNA-Temozolomide Run3-	NM_0021		histidine		
DMSO	08	HAL	ammonia-	-1.521797	Inlier
	NM_0021		lyase		
siRNA Disorazole DMSO Run3	08	HAL	histidine	-0.643452	Inlier
	NM_0021		ammonia-		
siRNA Disorazole DMSO Run1	08	HAL	lyase	-0.151661	Inlier
	NM_0021		histidine		
siRNA-Temozolomide Run2-	NM_0021		ammonia-		
DMSO	08	HAL	lyase	-0.131345	Inlier
	NM_0021		histidine		
siRNA-Temozolomide Run1-	NM_0021		ammonia-		
DMSO	08	HAL	lyase	0.131345	Inlier
	NM_0021		histidine		
siRNA-Vinblastine Run2-	NM_0021		ammonia-		
DMSO	08	HAL	lyase	0.705548	Inlier
	NM_0021		histidine		
siRNA Disorazole DMSO Run2	08	HAL	ammonia-	1.19414	Inlier
	NM_0021		lyase		
siRNA-Vinblastine Run1-	NM_0021		histidine		
DMSO	08	HAL	ammonia-	1.939287	Inlier
	NM_0021		lyase		
siRNA-Vinblastine Run2-	NM_0175		hydroxyaci		
DMSO	45	HAO1	d oxidase	-5.431018	Outlier
	NM_0175		(glycolate		
siRNA-Temozolomide Run2-	NM_0175		oxidase) 1	-1.169513	Inlier
DMSO	45	HAO1	hydroxyaci		
	NM_0175		d oxidase		
siRNA Disorazole DMSO Run3	45	HAO1	(glycolate	-0.800951	Inlier
	NM_0175		oxidase) 1		
siRNA Disorazole DMSO Run1	45	HAO1	hydroxyaci	-0.247931	Inlier
	NM_0175		d oxidase		
	NM_0175		(glycolate		
	45	HAO1	oxidase) 1		

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0175 45	HAO1	hydroxyacid oxidase (glycolate oxidase) 1	0.247931	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0175 45	HAO1	hydroxyacid oxidase (glycolate oxidase) 1	0.396101	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0175 45	HAO1	hydroxyacid oxidase (glycolate oxidase) 1	0.54805	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0175 45	HAO1	hydroxyacid oxidase (glycolate oxidase) 1	2.725399	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0165 27	HAO2	hydroxyacid oxidase 2 (long chain)	-1.12311	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0165 27	HAO2	hydroxyacid oxidase 2 (long chain)	-0.419031	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0165 27	HAO2	hydroxyacid oxidase 2 (long chain)	-0.389806	Inlier
siRNA Disorazole DMSO Run1	NM_0165 27	HAO2	hydroxyacid oxidase 2 (long chain)	-0.284649	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0165 27	HAO2	hydroxyacid oxidase 2 (long chain)	0.284649	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0165 27	HAO2	hydroxyacid oxidase 2 (long chain)	0.929969	Inlier
siRNA Disorazole DMSO Run2	NM_0165 27	HAO2	hydroxyacid oxidase 2 (long chain)	2.407136	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0165 27	HAO2	hydroxyacid oxidase 2 (long chain)	4.078115	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0039 47	HAPIP	huntingtin-associated protein interacting protein (duo)	-1.614318	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0039 47	HAPIP	huntingtin-associated protein interacting protein (duo)	-0.712174	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 24660	HAPIP	huntingtin-associated protein interacting protein (duo)	-1.799736	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0039 47	HAPIP	huntingtin-associated protein interacting protein (duo)	-0.30364	Inlier
siRNA Disorazole DMSO Run3	NM_0039 47	HAPIP	huntingtin-associated protein interacting protein (duo)	-0.19303	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0039 47	HAPIP	huntingtin-associated protein interacting protein (duo)	0.19303	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0010 24660	HAPIP	huntingtin-associated protein interacting protein (duo)	-0.881884	Inlier
siRNA Disorazole DMSO Run2	NM_0010 24660	HAPIP	huntingtin-associated protein interacting protein (duo)	-0.692407	Inlier
siRNA Disorazole DMSO Run1	NM_0039 47	HAPIP	huntingtin-associated protein interacting protein (duo)	0.636826	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 24660	HAPIP	huntingtin-associated protein interacting protein (duo)	-0.199801	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 24660	HAPIP	huntingtin-associated protein interacting protein (duo)	0.1998	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 24660	HAPIP	huntingtin-associated protein interacting protein (duo)	0.223411	Inlier
siRNA Disorazole DMSO Run3	NM_0010 24660	HAPIP	huntingtin-associated protein interacting protein (duo)	0.656593	Inlier
siRNA Disorazole DMSO Run1	NM_0010 24660	HAPIP	huntingtin-associated protein interacting protein (duo)	0.800741	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0039 47	HAPIP	huntingtin-associated protein interacting protein (duo)	1.695011	Inlier
siRNA Disorazole DMSO Run2	NM_0039 47	HAPIP	huntingtin-associated protein interacting protein (duo)	2.224047	Inlier
siRNA Disorazole DMSO Run1	NM_0021 09	HARS	histidyl-tRNA synthetase	-0.773215	Inlier
siRNA Disorazole DMSO Run3	NM_0021 09	HARS	histidyl-tRNA synthetase	-0.62863	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0021 09	HARS	histidyl-tRNA synthetase	-0.112996	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0021 09	HARS	histidyl-tRNA synthetase	-0.00726	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0021 09	HARS	histidyl-tRNA synthetase	0.00726	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0021 09	HARS	histidyl-tRNA synthetase	0.72037	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0021 09	HARS	histidyl-tRNA synthetase	1.689412	Inlier
siRNA Disorazole DMSO Run2	NM_0021 09	HARS	histidyl-tRNA synthetase	3.219618	Inlier
siRNA Disorazole DMSO Run1	NM_0808 20	HARS2	histidyl-tRNA synthetase 2	-0.760476	Inlier
siRNA Disorazole DMSO Run3	NM_0808 20	HARS2	histidyl-tRNA synthetase 2	-0.588524	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0808 20	HARS2	histidyl-tRNA synthetase 2	-0.516513	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0808 20	HARS2	histidyl-tRNA synthetase 2	-0.250335	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0808 20	HARS2	histidyl-tRNA synthetase 2	0.250335	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0808 20	HARS2	histidyl-tRNA synthetase 2	0.859063	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0808 20	HARS2	histidyl-tRNA synthetase 2	1.211888	Inlier
siRNA Disorazole DMSO Run2	NM_0808 20	HARS2	histidyl-tRNA synthetase 2	1.291164	Inlier
siRNA Disorazole DMSO Run1	NM_0122 08	HARSL	histidyl-tRNA synthetase-like	-0.996273	Inlier
siRNA Disorazole DMSO Run3	NM_0122 08	HARSL	histidyl-tRNA synthetase-like	-0.48356	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0122 08	HARSL	histidyl-tRNA synthetase-like	-0.209964	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0122 08	HARSL	histidyl-tRNA synthetase-like	-0.067414	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0122 08	HARSL	histidyl-tRNA synthetase-like	0.067414	Inlier
siRNA Disorazole DMSO Run2	NM_0122 08	HARSL	histidyl-tRNA synthetase-like	0.86544	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0122 08	HARSL	histidyl-tRNA synthetase-like	0.873149	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_012208	HARSL	histidyl-tRNA synthetase-like	1.054841	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001523	HAS1	hyaluronan synthase 1	-1.06214	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001523	HAS1	hyaluronan synthase 1	-0.62489	Inlier
siRNA Disorazole DMSO Run1	NM_001523	HAS1	hyaluronan synthase 1	-0.469897	Inlier
siRNA Disorazole DMSO Run3	NM_001523	HAS1	hyaluronan synthase 1	-0.165246	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001523	HAS1	hyaluronan synthase 1	0.165246	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001523	HAS1	hyaluronan synthase 1	0.72411	Inlier
siRNA Disorazole DMSO Run2	NM_001523	HAS1	hyaluronan synthase 1	1.989367	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001523	HAS1	hyaluronan synthase 1	3.366402	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005328	HAS2	hyaluronan synthase 2	-1.744423	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005328	HAS2	hyaluronan synthase 2	-0.726628	Inlier
siRNA Disorazole DMSO Run3	NM_005328	HAS2	hyaluronan synthase 2	-0.556714	Inlier
siRNA Disorazole DMSO Run1	NM_005328	HAS2	hyaluronan synthase 2	-0.179922	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0053 28	HAS2	hyaluronan synthase 2	0.179922 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0053 28	HAS2	hyaluronan synthase 2	0.622372 Inlier
siRNA Disorazole DMSO Run2	NM_0053 28	HAS2	hyaluronan synthase 2	2.275322 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0053 28	HAS2	hyaluronan synthase 2	2.370057 Inlier
siRNA Disorazole DMSO Run1	NM_0053 29	HAS3	hyaluronan synthase 3	-0.876185 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0053 29	HAS3	hyaluronan synthase 3	-0.472815 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0053 29	HAS3	hyaluronan synthase 3	-0.457006 Inlier
siRNA Disorazole DMSO Run3	NM_0053 29	HAS3	hyaluronan synthase 3	-0.069649 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0053 29	HAS3	hyaluronan synthase 3	0.069649 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0053 29	HAS3	hyaluronan synthase 3	1.024595 Inlier
siRNA Disorazole DMSO Run2	NM_0053 29	HAS3	hyaluronan synthase 3	1.609307 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0053 29	HAS3	hyaluronan synthase 3	3.226888 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0042 62	HAT	transmembrane protease, serine 11D	-1.956449	Inlier
siRNA Disorazole DMSO Run2	NM_0042 62	HAT	transmembrane protease, serine 11D	-0.695565	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0042 62	HAT	transmembrane protease, serine 11D	-0.653435	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0042 62	HAT	transmembrane protease, serine 11D	-0.017986	Inlier
siRNA Disorazole DMSO Run3	NM_0042 62	HAT	transmembrane protease, serine 11D	0.017986	Inlier
siRNA Disorazole DMSO Run1	NM_0042 62	HAT	transmembrane protease, serine 11D	0.05414	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0042 62	HAT	transmembrane protease, serine 11D	1.121053	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0042 62	HAT	transmembrane protease, serine 11D	1.565454	Inlier
siRNA Disorazole DMSO Run1	NM_0036 42	HAT1	histone acetyltransferase 1	-2.256854	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0036 42	HAT1	histone acetyltransferase 1	-0.526911	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0036 42	HAT1	histone acetyltransferase 1	-0.279747	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0036 42	HAT1	histone acetyltransferase 1	-0.085303	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology siRNA-Vinblastine Run1- DMSO	NM_0036 42	HAT1	histone acetyltrans ferase 1	0.085304	Inlier
siRNA Disorazole DMSO Run3	NM_0036 42	HAT1	histone acetyltrans ferase 1	0.822088	Inlier
siRNA Disorazole DMSO Run2	NM_0036 42	HAT1	histone acetyltrans ferase 1	1.214954	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0036 42	HAT1	histone acetyltrans ferase 1	1.754571	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0122 06	HAVCR1	hepatitis A virus cellular receptor 1	-1.095432	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0122 06	HAVCR1	hepatitis A virus cellular receptor 1	-0.694293	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0122 06	HAVCR1	hepatitis A virus cellular receptor 1	-0.654707	Inlier
siRNA Disorazole DMSO Run1	NM_0122 06	HAVCR1	hepatitis A virus cellular receptor 1	-0.087955	Inlier
siRNA Disorazole DMSO Run3	NM_0122 06	HAVCR1	hepatitis A virus cellular receptor 1	0.087955	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0122 06	HAVCR1	hepatitis A virus cellular receptor 1	0.557429	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0122 06	HAVCR1	hepatitis A virus cellular receptor 1	3.580944	Outlier
siRNA Disorazole DMSO Run2	NM_0122 06	HAVCR1	hepatitis A virus cellular receptor 1	4.14728	Outlier
siRNA-Temozolomide Run3- DMSO	NM_0327 82	HAVCR2	hepatitis A virus cellular receptor 2	-1.628309	Inlier
siRNA Disorazole DMSO Run1	NM_0327 82	HAVCR2	hepatitis A virus cellular receptor 2	-0.697508	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Value	Category
siRNA-Temozolomide Run1-DMSO	NM_032782	HAVCR2	hepatitis A virus cellular receptor 2	-0.202451	Inlier
siRNA-Temozolomide Run2-DMSO	NM_032782	HAVCR2	hepatitis A virus cellular receptor 2	-0.165049	Inlier
siRNA-Vinblastine Run2-DMSO	NM_032782	HAVCR2	hepatitis A virus cellular receptor 2	0.165049	Inlier
siRNA Disorazole DMSO Run3	NM_032782	HAVCR2	hepatitis A virus cellular receptor 2	0.651492	Inlier
siRNA-Vinblastine Run1-DMSO	NM_032782	HAVCR2	hepatitis A virus cellular receptor 2	1.092178	Inlier
siRNA Disorazole DMSO Run2	NM_032782	HAVCR2	hepatitis A virus holocytochrome c synthase (cytochrome c heme-lyase)	1.325655	Inlier
siRNA Disorazole DMSO Run1	NM_005333	HCCS	hepatitis A virus holocytochrome c synthase (cytochrome c heme-lyase)	-2.776595	Inlier
siRNA Disorazole DMSO Run3	NM_005333	HCCS	hepatitis A virus holocytochrome c synthase (cytochrome c heme-lyase)	-0.667229	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005333	HCCS	hepatitis A virus holocytochrome c synthase (cytochrome c heme-lyase)	-0.234152	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005333	HCCS	hepatitis A virus holocytochrome c synthase (cytochrome c heme-lyase)	-0.151868	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Cell Line	Gene Name	Value	Category
siRNA-Temozolomide Run3-DMSO	NM_005333	HCCS	holocytochrome c synthase (cytochrome c heme-lyase)	0.151868	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005333	HCCS	holocytochrome c synthase (cytochrome c heme-lyase)	0.681771	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005333	HCCS	holocytochrome c synthase (cytochrome c heme-lyase)	3.516842	Outlier
siRNA Disorazole DMSO Run2	NM_005333	HCCS	holocytochrome c synthase (cytochrome c heme-lyase)	3.547612	Outlier
siRNA Disorazole DMSO Run2	NM_002110	HCK	hemopoietic cell kinase	-0.79738	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002110	HCK	hemopoietic cell kinase	-0.55162	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002110	HCK	hemopoietic cell kinase	-0.460594	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002110	HCK	hemopoietic cell kinase	-0.077722	Inlier
siRNA Disorazole DMSO Run3	NM_002110	HCK	hemopoietic cell kinase	0.077722	Inlier
siRNA Disorazole DMSO Run1	NM_002110	HCK	hemopoietic cell kinase	2.267586	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002110	HCK	hemopoietic cell kinase	2.640935	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002110	HCK	hemopoietic cell kinase	3.661876	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0210 72	HCN1	hyperpolarization activated cyclic nucleotide-gated potassium channel 1	-2.391071	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0210 72	HCN1	hyperpolarization activated cyclic nucleotide-gated potassium channel 1	-1.989	Inlier
siRNA Disorazole DMSO Run1	NM_0210 72	HCN1	hyperpolarization activated cyclic nucleotide-gated potassium channel 1	-0.48858	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0210 72	HCN1	hyperpolarization activated cyclic nucleotide-gated potassium channel 1	-0.008008	Inlier
siRNA Disorazole DMSO Run3	NM_0210 72	HCN1	hyperpolarization activated cyclic nucleotide-gated potassium channel 1	0.008008	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_021072	HCN1	hyperpolarization activated cyclic nucleotide-gated potassium channel 1	0.341218	Inlier
siRNA-Vinblastine Run2-DMSO	NM_021072	HCN1	hyperpolarization activated cyclic nucleotide-gated potassium channel 1	0.86042	Inlier
siRNA-Vinblastine Run1-DMSO	NM_021072	HCN1	hyperpolarization activated cyclic nucleotide-gated potassium channel 1	0.950935	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001194	HCN2	hyperpolarization activated cyclic nucleotide-gated potassium channel 2	-1.18844	Inlier
siRNA Disorazole DMSO Run1	NM_001194	HCN2	hyperpolarization activated cyclic nucleotide-gated potassium channel 2	-0.59888	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0011 94	HCN2	hyperpolarization activated cyclic nucleotide-gated potassium channel 2	-0.539801	Inlier
siRNA Disorazole DMSO Run2	NM_0011 94	HCN2	hyperpolarization activated cyclic nucleotide-gated potassium channel 2	-0.201021	Inlier
siRNA Disorazole DMSO Run3	NM_0011 94	HCN2	hyperpolarization activated cyclic nucleotide-gated potassium channel 2	0.201021	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0011 94	HCN2	hyperpolarization activated cyclic nucleotide-gated potassium channel 2	0.75012	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0011 94	HCN2	hyperpolarization activated cyclic nucleotide-gated potassium channel 2	0.842523	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0011 94	HCN2	hyperpolarization activated cyclic nucleotide-gated potassium channel 2	1.254787	Inlier
siRNA Disorazole DMSO Run2	NM_0208 97	HCN3	hyperpolarization activated cyclic nucleotide-gated potassium channel 3	-6.693305	Outlier
siRNA-Temozolomide Run1-DMSO	NM_0208 97	HCN3	hyperpolarization activated cyclic nucleotide-gated potassium channel 3	-0.927534	Inlier
siRNA Disorazole DMSO Run1	NM_0208 97	HCN3	hyperpolarization activated cyclic nucleotide-gated potassium channel 3	-0.340809	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0208 97	HCN3	hyperpolarization activated cyclic nucleotide-gated potassium channel 3	-0.087728	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_020897	HCN3	hyperpolarization activated cyclic nucleotide-gated potassium channel 3	0.087728	Inlier
siRNA-Vinblastine Run1-DMSO	NM_020897	HCN3	hyperpolarization activated cyclic nucleotide-gated potassium channel 3	0.421466	Inlier
siRNA-Vinblastine Run2-DMSO	NM_020897	HCN3	hyperpolarization activated cyclic nucleotide-gated potassium channel 3	2.330638	Inlier
siRNA Disorazole DMSO Run3	NM_020897	HCN3	hyperpolarization activated cyclic nucleotide-gated potassium channel 3	2.345645	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005477	HCN4	hyperpolarization activated cyclic nucleotide-gated potassium channel 4	-1.343012	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0054 77	HCN4	hyperpolarization activated cyclic nucleotide-gated potassium channel 4	-0.783717	Inlier
siRNA Disorazole DMSO Run3	NM_0054 77	HCN4	hyperpolarization activated cyclic nucleotide-gated potassium channel 4	-0.565283	Inlier
siRNA Disorazole DMSO Run2	NM_0054 77	HCN4	hyperpolarization activated cyclic nucleotide-gated potassium channel 4	-0.252066	Inlier
siRNA Disorazole DMSO Run1	NM_0054 77	HCN4	hyperpolarization activated cyclic nucleotide-gated potassium channel 4	0.252066	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0054 77	HCN4	hyperpolarization activated cyclic nucleotide-gated potassium channel 4	0.390131	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_005477	HCN4	hyperpolarization activated cyclic nucleotide-gated potassium channel 4	0.818395	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005477	HCN4	hyperpolarization activated cyclic nucleotide-gated potassium channel 4	1.477796	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001525	HCRTR1	hypocretin (orexin) receptor 1	-1.450705	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001525	HCRTR1	hypocretin (orexin) receptor 1	-1.403319	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001525	HCRTR1	hypocretin (orexin) receptor 1	-0.684443	Inlier
siRNA Disorazole DMSO Run1	NM_001525	HCRTR1	hypocretin (orexin) receptor 1	-0.178034	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001525	HCRTR1	hypocretin (orexin) receptor 1	0.178034	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001525	HCRTR1	hypocretin (orexin) receptor 1	0.477362	Inlier
siRNA Disorazole DMSO Run2	NM_001525	HCRTR1	hypocretin (orexin) receptor 1	0.664557	Inlier
siRNA Disorazole DMSO Run3	NM_001525	HCRTR1	hypocretin (orexin) receptor 1	2.265405	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001526	HCRTR2	hypocretin (orexin) receptor 2	-2.010572	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001526	HCRTR2	hypocretin (orexin) receptor 2	-0.761626	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001526	HCRTR2	hypocretin (orexin) receptor 2	-0.235176	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0015 26	HCRTR2	hypocretin (orexin) receptor 2	-0.152133	Inlier
siRNA Disorazole DMSO Run2	NM_0015 26	HCRTR2	hypocretin (orexin) receptor 2	0.152133	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0015 26	HCRTR2	hypocretin (orexin) receptor 2	0.587374	Inlier
siRNA Disorazole DMSO Run3	NM_0015 26	HCRTR2	hypocretin (orexin) receptor 2	1.242324	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0015 26	HCRTR2	hypocretin (orexin) receptor 2	1.310338	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0021 11	HD	huntingtin (Huntington disease)	-0.849355	Inlier
siRNA Disorazole DMSO Run2	NM_0021 11	HD	huntingtin (Huntington disease)	-0.763701	Inlier
siRNA Disorazole DMSO Run3	NM_0021 11	HD	huntingtin (Huntington disease)	-0.585299	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0021 11	HD	huntingtin (Huntington disease)	-0.026593	Inlier
siRNA Disorazole DMSO Run1	NM_0021 11	HD	huntingtin (Huntington disease)	0.026593	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0021 11	HD	huntingtin (Huntington disease)	0.365247	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0021 11	HD	huntingtin (Huntington disease)	0.771975	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0021 11	HD	huntingtin (Huntington disease)	1.108052	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0049 64	HDAC1	histone deacetylase 1	-0.851457	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology				histone	
siRNA-Temozolomide Run2-DMSO	NM_0049 64	HDAC1	histone deacetylase 1	-0.826184	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0049 64	HDAC1	histone deacetylase 1	-0.325278	Inlier
siRNA Disorazole DMSO Run3	NM_0049 64	HDAC1	histone deacetylase 1	-0.113478	Inlier
siRNA Disorazole DMSO Run1	NM_0049 64	HDAC1	histone deacetylase 1	0.113478	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0049 64	HDAC1	histone deacetylase 1	0.542112	Inlier
siRNA Disorazole DMSO Run2	NM_0049 64	HDAC1	histone deacetylase 1	0.806888	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0049 64	HDAC1	histone deacetylase 1	1.091656	Inlier
siRNA Disorazole DMSO Run1	NM_0320 19	HDAC10	histone deacetylase 10	-2.001267	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0320 19	HDAC10	histone deacetylase 10	-0.71724	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0320 19	HDAC10	histone deacetylase 10	-0.337365	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0320 19	HDAC10	histone deacetylase 10	-0.324426	Inlier
siRNA Disorazole DMSO Run2	NM_0320 19	HDAC10	histone deacetylase 10	0.324427	Inlier
siRNA Disorazole DMSO Run3	NM_0320 19	HDAC10	histone deacetylase 10	0.636267	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0320 19	HDAC10	histone deacetylase 10	0.712733	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0320 19	HDAC10	histone deacetylase 10	1.193699	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0248 27	HDAC11	histone deacetylase 11	-1.4459	Inlier
siRNA Disorazole DMSO Run3	NM_0248 27	HDAC11	histone deacetylase 11	-0.801884	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology			histone		
siRNA-Vinblastine Run2-	NM_0248		deacetylas		
DMSO	27	HDAC11	e 11	-0.519632	Inlier
siRNA-Temozolomide Run2-	NM_0248		histone		
DMSO	27	HDAC11	deacetylas	-0.381191	Inlier
siRNA-Temozolomide Run1-	NM_0248		e 11		
DMSO	27	HDAC11	deacetylas	0.381191	Inlier
siRNA Disorazole DMSO Run1	NM_0248		histone		
	27	HDAC11	deacetylas	0.547116	Inlier
siRNA-Vinblastine Run1-	NM_0248		e 11		
DMSO	27	HDAC11	deacetylas	2.16409	Inlier
siRNA Disorazole DMSO Run2	NM_0248		histone		
	27	HDAC11	deacetylas	2.928697	Inlier
siRNA-Temozolomide Run3-	NM_0015		e 11		
DMSO	27	HDAC2	deacetylas	-2.407788	Inlier
siRNA-Temozolomide Run2-	NM_0015		histone		
DMSO	27	HDAC2	deacetylas	-0.829344	Inlier
siRNA-Temozolomide Run1-	NM_0015		e 2		
DMSO	27	HDAC2	deacetylas	-0.519656	Inlier
siRNA Disorazole DMSO Run1	NM_0015		histone		
	27	HDAC2	deacetylas	-0.43413	Inlier
siRNA-Vinblastine Run2-	NM_0015		e 2		
DMSO	27	HDAC2	deacetylas	0.434129	Inlier
siRNA Disorazole DMSO Run3	NM_0015		histone		
	27	HDAC2	deacetylas	0.464152	Inlier
siRNA-Vinblastine Run1-	NM_0015		e 2		
DMSO	27	HDAC2	deacetylas	2.876878	Inlier
siRNA Disorazole DMSO Run2	NM_0015		histone		
	27	HDAC2	deacetylas	3.702358	Outlier
siRNA Disorazole DMSO Run1	NM_0038		e 2		
	83	HDAC3	deacetylas	-0.891093	Inlier
siRNA-Temozolomide Run1-	NM_0038		histone		
DMSO	83	HDAC3	deacetylas	-0.457907	Inlier
siRNA-Vinblastine Run2-	NM_0038		e 3		
DMSO	83	HDAC3	deacetylas	-0.317252	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology				histone	
siRNA-Temozolomide Run2-DMSO	NM_0038 83	HDAC3	deacetylase 3	-0.071279	Inlier
siRNA Disorazole DMSO Run3	NM_0038 83	HDAC3	histone deacetylase 3	0.071279	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0038 83	HDAC3	histone deacetylase 3	1.111429	Inlier
siRNA Disorazole DMSO Run2	NM_0038 83	HDAC3	histone deacetylase 3	1.137186	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0038 83	HDAC3	histone deacetylase 3	2.07063	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0060 37	HDAC4	histone deacetylase 4	-0.742088	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0060 37	HDAC4	histone deacetylase 4	-0.606912	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0060 37	HDAC4	histone deacetylase 4	-0.229447	Inlier
siRNA Disorazole DMSO Run3	NM_0060 37	HDAC4	histone deacetylase 4	-0.000128	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0060 37	HDAC4	histone deacetylase 4	0.000128	Inlier
siRNA Disorazole DMSO Run1	NM_0060 37	HDAC4	histone deacetylase 4	0.837153	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0060 37	HDAC4	histone deacetylase 4	2.000936	Inlier
siRNA Disorazole DMSO Run2	NM_0060 37	HDAC4	histone deacetylase 4	2.415227	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1392 05	HDAC5	histone deacetylase 5	-1.80532	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1392 05	HDAC5	histone deacetylase 5	-0.927778	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1392 05	HDAC5	histone deacetylase 5	-0.421222	Inlier
siRNA Disorazole DMSO Run3	NM_1392 05	HDAC5	histone deacetylase 5	-0.039006	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology				histone	
siRNA-Temozolomide Run1-DMSO	NM_1392 05	HDAC5	deacetylase 5	0.039006	Inlier
siRNA Disorazole DMSO Run1	NM_1392 05	HDAC5	histone deacetylase 5	0.099419	Inlier
siRNA Disorazole DMSO Run2	NM_1392 05	HDAC5	histone deacetylase 5	2.475098	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1392 05	HDAC5	histone deacetylase 5	2.924804	Inlier
siRNA Disorazole DMSO Run3	NM_0060 44	HDAC6	histone deacetylase 6	-0.787199	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0060 44	HDAC6	histone deacetylase 6	-0.561801	Inlier
siRNA Disorazole DMSO Run1	NM_0060 44	HDAC6	histone deacetylase 6	-0.243752	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0060 44	HDAC6	histone deacetylase 6	-0.094197	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0060 44	HDAC6	histone deacetylase 6	0.094197	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0060 44	HDAC6	histone deacetylase 6	1.036036	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0060 44	HDAC6	histone deacetylase 6	1.52141	Inlier
siRNA Disorazole DMSO Run2	NM_0060 44	HDAC6	histone deacetylase 6	2.373916	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0184 86	HDAC8	histone deacetylase 8	-0.895014	Inlier
siRNA Disorazole DMSO Run1	NM_0184 86	HDAC8	histone deacetylase 8	-0.716806	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0184 86	HDAC8	histone deacetylase 8	-0.657298	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0184 86	HDAC8	histone deacetylase 8	-0.468088	Inlier
siRNA Disorazole DMSO Run3	NM_0184 86	HDAC8	histone deacetylase 8	0.468088	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology			histone		
siRNA-Vinblastine Run1-DMSO	NM_0184 86	HDAC8	deacetylase 8	0.568461	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0184 86	HDAC8	histone deacetylase 8	0.691702	Inlier
siRNA Disorazole DMSO Run2	NM_0184 86	HDAC8	histone deacetylase 8	0.808488	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0581 77	HDAC9	histone deacetylase 9	-1.185383	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0581 77	HDAC9	histone deacetylase 9	-0.880483	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0581 77	HDAC9	histone deacetylase 9	-0.468517	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0581 77	HDAC9	histone deacetylase 9	-0.112375	Inlier
siRNA Disorazole DMSO Run3	NM_0581 77	HDAC9	histone deacetylase 9	0.112374	Inlier
siRNA Disorazole DMSO Run1	NM_0581 77	HDAC9	histone deacetylase 9	0.135829	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0581 77	HDAC9	histone deacetylase 9	2.917564	Inlier
siRNA Disorazole DMSO Run2	NM_0581 77	HDAC9	histone deacetylase 9	3.057213	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0021 12	HDC	histidine decarboxylase	-3.199018	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0021 12	HDC	histidine decarboxylase	-1.117665	Inlier
siRNA Disorazole DMSO Run1	NM_0021 12	HDC	histidine decarboxylase	-0.083404	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0021 12	HDC	histidine decarboxylase	-0.004144	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0021 12	HDC	histidine decarboxylase	0.004144	Inlier
siRNA Disorazole DMSO Run3	NM_0021 12	HDC	histidine decarboxylase	0.231335	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0021 12	HDC	histidine decarboxyl ase	2.564387	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0021 12	HDC	histidine decarboxyl ase	3.182598	Inlier
siRNA Disorazole DMSO Run1	NM_0161 73	HEMK1	HemK methyltran sferase family member 1	-1.626218	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0161 73	HEMK1	HemK methyltran sferase family member 1	-0.933008	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0161 73	HEMK1	HemK methyltran sferase family member 1	-0.415992	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0161 73	HEMK1	HemK methyltran sferase family member 1	-0.019336	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0161 73	HEMK1	HemK methyltran sferase family member 1	0.019336	Inlier
siRNA Disorazole DMSO Run3	NM_0161 73	HEMK1	HemK methyltran sferase family member 1	0.042601	Inlier
siRNA Disorazole DMSO Run2	NM_0161 73	HEMK1	HemK methyltran sferase family member 1	2.543718	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0161 73	HEMK1	HemK methyltran sferase family member 1	3.988405	Outlier
siRNA Disorazole DMSO Run3	NM_0005 20	HEXA	hexosamin idase A (alpha polypeptid e)	-1.651891	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0005 20	HEXA	hexosaminidase A (alpha polypeptide)	-0.873418	Inlier
siRNA Disorazole DMSO Run1	NM_0005 20	HEXA	hexosaminidase A (alpha polypeptide)	-0.475582	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0005 20	HEXA	hexosaminidase A (alpha polypeptide)	-0.134272	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0005 20	HEXA	hexosaminidase A (alpha polypeptide)	0.134273	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0005 20	HEXA	hexosaminidase A (alpha polypeptide)	0.179551	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0005 20	HEXA	hexosaminidase A (alpha polypeptide)	1.049564	Inlier
siRNA Disorazole DMSO Run2	NM_0005 20	HEXA	hexosaminidase B (beta polypeptide)	1.427303	Inlier
siRNA Disorazole DMSO Run1	NM_0005 21	HEXB	hexosaminidase B (beta polypeptide)	-1.170042	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0005 21	HEXB	hexosaminidase B (beta polypeptide)	-0.973415	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0005 21	HEXB	hexosaminidase B (beta polypeptide)	-0.549478	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_000521	HEXB	hexosaminidase B (beta polypeptide)	-0.15311	Inlier
siRNA Disorazole DMSO Run3	NM_000521	HEXB	hexosaminidase B (beta polypeptide)	0.153109	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000521	HEXB	hexosaminidase B (beta polypeptide)	0.42527	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000521	HEXB	hexosaminidase B (beta polypeptide)	0.799522	Inlier
siRNA Disorazole DMSO Run2	NM_000521	HEXB	homogentisate 1,2-dioxygenase (homogentisate oxidase)	1.005523	Inlier
siRNA Disorazole DMSO Run3	NM_000187	HGD	homogentisate 1,2-dioxygenase (homogentisate oxidase)	-0.959248	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000187	HGD	homogentisate 1,2-dioxygenase (homogentisate oxidase)	-0.389752	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000187	HGD	homogentisate oxidase)	-0.388053	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_000187	HGD	homogentisate 1,2-dioxygenase (homogentisate oxidase)	-0.368473	Inlier
siRNA Disorazole DMSO Run1	NM_000187	HGD	homogentisate 1,2-dioxygenase (homogentisate oxidase)	0.368473	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000187	HGD	homogentisate 1,2-dioxygenase (homogentisate oxidase)	1.887626	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000187	HGD	homogentisate 1,2-dioxygenase (homogentisate oxidase)	3.411613	Inlier
siRNA Disorazole DMSO Run2	NM_000187	HGD	hepatocyte growth factor (hepapoietin A; scatter factor)	4.408014	Outlier
siRNA-Temozolomide Run3-DMSO	NM_001010932	HGF	hepatocyte growth factor (hepapoietin A; scatter factor)	-1.862213	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001010932	HGF	hepatocyte growth factor (hepapoietin A; scatter factor)	-0.920402	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0010 10932	HGF	hepatocyte growth factor (hepapoiet in A; scatter factor)	-0.428598	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 10932	HGF	hepatocyte growth factor (hepapoiet in A; scatter factor)	-0.095351	Inlier
siRNA Disorazole DMSO Run1	NM_0010 10932	HGF	hepatocyte growth factor (hepapoiet in A; scatter factor)	0.095351	Inlier
siRNA Disorazole DMSO Run3	NM_0010 10932	HGF	hepatocyte growth factor (hepapoiet in A; scatter factor)	0.115746	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 10932	HGF	hepatocyte growth factor (hepapoiet in A; scatter factor)	1.021626	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 10932	HGF	scatter factor)	1.080284	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0015 28	HGFAC	HGF activator	-2.464334	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0015 28	HGFAC	HGF activator	-1.413381	Inlier
siRNA Disorazole DMSO Run1	NM_0015 28	HGFAC	HGF activator	-0.232519	Inlier
siRNA Disorazole DMSO Run2	NM_0015 28	HGFAC	HGF activator	-0.228934	Inlier
siRNA Disorazole DMSO Run3	NM_0015 28	HGFAC	HGF activator	0.228933	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Temozolomide Run1- DMSO	NM_0015 28	HGFAC	HGF activator	0.343888	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0015 28	HGFAC	HGF activator	1.005112	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0015 28	HGFAC	HGF activator	1.583031	Inlier
siRNA Disorazole DMSO Run1	NM_0132 44	HGNT-IV- H	HGNT-IV- H	-1.401347	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0132 44	HGNT-IV- H	HGNT-IV- H	-0.869957	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0132 44	HGNT-IV- H	HGNT-IV- H	-0.755048	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0132 44	HGNT-IV- H	HGNT-IV- H	-0.048192	Inlier
siRNA Disorazole DMSO Run2	NM_0132 44	HGNT-IV- H	HGNT-IV- H	0.048192	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0132 44	HGNT-IV- H	HGNT-IV- H	0.449313	Inlier
siRNA Disorazole DMSO Run3	NM_0132 44	HGNT-IV- H	HGNT-IV- H	0.593952	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0132 44	HGNT-IV- H	HGNT-IV- H	0.759403	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0047 12	HGS	hepatocyte growth factor- regulated tyrosine kinase substrate	-1.14633	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0047 12	HGS	hepatocyte growth factor- regulated tyrosine kinase substrate	-0.713398	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0047 12	HGS	hepatocyte growth factor- regulated tyrosine kinase substrate	-0.480012	Inlier
siRNA Disorazole DMSO Run2	NM_0047 12	HGS	hepatocyte growth factor- regulated tyrosine kinase substrate	-0.241725	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0047 12	HGS	hepatocyte growth factor- regulated tyrosine kinase substrate	0.241725	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0047 12	HGS	hepatocyte growth factor- regulated tyrosine kinase substrate	0.635602	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0047 12	HGS	hepatocyte growth factor- regulated tyrosine kinase substrate	0.827379	Inlier
siRNA Disorazole DMSO Run3	NM_0047 12	HGS	hepatocyte growth factor- regulated tyrosine kinase substrate	1.025545	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1527 40	HIBADH	3- hydroxyiso butyrate dehydroge nase	-0.809604	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1527 40	HIBADH	3- hydroxyiso butyrate dehydroge nase	-0.680168	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1527 40	HIBADH	3- hydroxyiso butyrate dehydroge nase	-0.668832	Inlier
siRNA Disorazole DMSO Run1	NM_1527 40	HIBADH	3- hydroxyiso butyrate dehydroge nase	-0.236027	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_1527 40	HIBADH	3-hydroxyiso butyrate dehydrogenase	0.236027	Inlier
siRNA Disorazole DMSO Run3	NM_1527 40	HIBADH	3-hydroxyiso butyrate dehydrogenase	0.64171	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1527 40	HIBADH	3-hydroxyiso butyrate dehydrogenase	0.957364	Inlier
siRNA Disorazole DMSO Run2	NM_1527 40	HIBADH	3-hydroxyiso butyrate dehydrogenase	0.972588	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0143 62	HIBCH	3-hydroxyiso butyryl-Coenzyme A hydrolase	-1.658673	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0143 62	HIBCH	3-hydroxyiso butyryl-Coenzyme A hydrolase	-0.870174	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0143 62	HIBCH	3-hydroxyiso butyryl-Coenzyme A hydrolase	-0.478826	Inlier
siRNA Disorazole DMSO Run3	NM_0143 62	HIBCH	3-hydroxyiso butyryl-Coenzyme A hydrolase	-0.057353	Inlier
siRNA Disorazole DMSO Run1	NM_0143 62	HIBCH	3-hydroxyiso butyryl-Coenzyme A hydrolase	0.057353	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0143 62	HIBCH	3-hydroxyiso butyryl- Coenzyme A hydrolase	0.126898	Inlier
siRNA Disorazole DMSO Run2	NM_0143 62	HIBCH	3-hydroxyiso butyryl- Coenzyme A hydrolase	4.927459	Outlier
siRNA-Vinblastine Run1-DMSO	NM_0143 62	HIBCH	3-hydroxyiso butyryl- Coenzyme A hydrolase	6.002071	Outlier
siRNA Disorazole DMSO Run3	NM_0053 39	HIP2	huntingtin interacting protein 2	-1.004738	Inlier
siRNA Disorazole DMSO Run1	NM_0053 39	HIP2	huntingtin interacting protein 2	-0.796684	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0053 39	HIP2	huntingtin interacting protein 2	-0.552316	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0053 39	HIP2	huntingtin interacting protein 2	-0.259107	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0053 39	HIP2	huntingtin interacting protein 2	0.259107	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0053 39	HIP2	huntingtin interacting protein 2	0.383902	Inlier
siRNA Disorazole DMSO Run2	NM_0053 39	HIP2	huntingtin interacting protein 2	2.162935	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0053 39	HIP2	huntingtin interacting protein 2	2.562825	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_1813 58	HIPK1	homeodo main interacting protein kinase 1	-1.650161	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1813 58	HIPK1	homeodo main interacting protein kinase 1	-1.216208	Inlier
siRNA Disorazole DMSO Run3	NM_1813 58	HIPK1	homeodo main interacting protein kinase 1	-0.303773	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1813 58	HIPK1	homeodo main interacting protein kinase 1	-0.187129	Inlier
siRNA Disorazole DMSO Run1	NM_1813 58	HIPK1	homeodo main interacting protein kinase 1	0.187128	Inlier
siRNA Disorazole DMSO Run2	NM_1813 58	HIPK1	homeodo main interacting protein kinase 1	0.32721	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1813 58	HIPK1	homeodo main interacting protein kinase 1	1.02179	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1813 58	HIPK1	homeodo main interacting protein kinase 1	2.304356	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0227 40	HIPK2	homeodo main interacting protein kinase 2	-1.056503	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0227 40	HIPK2	homeodo main interacting protein kinase 2	-0.914308	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0227 40	HIPK2	homeodo main interacting protein kinase 2	-0.222626	Inlier
siRNA Disorazole DMSO Run3	NM_0227 40	HIPK2	homeodo main interacting protein kinase 2	-0.091775	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0227 40	HIPK2	homeodo main interacting protein kinase 2	0.091775	Inlier
siRNA Disorazole DMSO Run1	NM_0227 40	HIPK2	homeodo main interacting protein kinase 2	0.434692	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0227 40	HIPK2	homeodo main interacting protein kinase 2	1.837688	Inlier
siRNA Disorazole DMSO Run2	NM_0227 40	HIPK2	homeodo main interacting protein kinase 2	2.803763	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0057 34	HIPK3	homeodo main interacting protein kinase 3	-1.330534	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0057 34	HIPK3	homeodo main interacting protein kinase 3	-0.643858	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0057 34	HIPK3	homeodo main interacting protein kinase 3	-0.481428	Inlier
siRNA Disorazole DMSO Run1	NM_0057 34	HIPK3	homeodo main interacting protein kinase 3	-0.311532	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0057 34	HIPK3	homeodo main interacting protein kinase 3	0.311532	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0057 34	HIPK3	homeodo main interacting protein kinase 3	0.705142	Inlier
siRNA Disorazole DMSO Run3	NM_0057 34	HIPK3	homeodo main interacting protein kinase 3	0.99634	Inlier
siRNA Disorazole DMSO Run2	NM_0057 34	HIPK3	homeodo main interacting protein kinase 3	1.59702	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1446 85	HIPK4	homeodo main interacting protein kinase 4	-1.15364	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1446 85	HIPK4	homeodo main interacting protein kinase 4	-0.797715	Inlier
siRNA Disorazole DMSO Run1	NM_1446 85	HIPK4	homeodo main interacting protein kinase 4	-0.354144	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1446 85	HIPK4	homeodo main interacting protein kinase 4	-0.070582	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1446 85	HIPK4	homeodo main interacting protein kinase 4	0.070581	Inlier
siRNA Disorazole DMSO Run3	NM_1446 85	HIPK4	homeodo main interacting protein kinase 4	0.551285	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_1446 85	HIPK4	homeodo main interacting protein kinase 4	0.928129	Inlier
siRNA Disorazole DMSO Run2	NM_1446 85	HIPK4	homeodo main interacting protein kinase 4	2.482185	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0245 03	HIVEP3	human immunode ficiency virus type I enhancer binding protein 3	-3.813028	Outlier
siRNA Disorazole DMSO Run3	NM_0245 03	HIVEP3	human immunode ficiency virus type I enhancer binding protein 3	-0.976785	Inlier
siRNA Disorazole DMSO Run1	NM_0245 03	HIVEP3	human immunode ficiency virus type I enhancer binding protein 3	-0.759939	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0245 03	HIVEP3	human immunode ficiency virus type I enhancer binding protein 3	-0.274773	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0245 03	HIVEP3	human immunode ficiency virus type I enhancer binding protein 3	0.274773	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_024503	HIVEP3	human immunodeficiency virus type I enhancer binding protein 3	0.485371	Inlier
siRNA-Vinblastine Run1-DMSO	NM_024503	HIVEP3	human immunodeficiency virus type I enhancer binding protein 3	0.589061	Inlier
siRNA Disorazole DMSO Run2	NM_024503	HIVEP3	human immunodeficiency virus type I enhancer binding protein 3	1.215488	Inlier
siRNA-Temozolomide Run3-DMSO	NM_033496	HK1	hexokinase 1	-1.752296	Inlier
siRNA-Temozolomide Run2-DMSO	NM_033496	HK1	hexokinase 1	-0.999041	Inlier
siRNA-Temozolomide Run1-DMSO	NM_033496	HK1	hexokinase 1	-0.036114	Inlier
siRNA Disorazole DMSO Run1	NM_033496	HK1	hexokinase 1	-0.015124	Inlier
siRNA Disorazole DMSO Run3	NM_033496	HK1	hexokinase 1	0.015124	Inlier
siRNA Disorazole DMSO Run2	NM_033496	HK1	hexokinase 1	0.349959	Inlier
siRNA-Vinblastine Run2-DMSO	NM_033496	HK1	hexokinase 1	1.166834	Inlier
siRNA-Vinblastine Run1-DMSO	NM_033496	HK1	hexokinase 1	1.239829	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000189	HK2	hexokinase 2	-1.34929	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000189	HK2	hexokinase 2	-0.477049	Inlier
siRNA Disorazole DMSO Run2	NM_000189	HK2	hexokinase 2	-0.272167	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000189	HK2	hexokinase 2	-0.202467	Inlier
siRNA Disorazole DMSO Run1	NM_000189	HK2	hexokinase 2	0.202467	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000189	HK2	hexokinase 2	0.871951	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology	NM_0001		hexokinas	
siRNA Disorazole DMSO Run3	89	HK2	e 2	1.030331 Inlier
siRNA-Vinblastine Run2-	NM_0001		hexokinas	
DMSO	89	HK2	e 2	1.427599 Inlier
siRNA-Temozolomide Run3-	NM_0021		hexokinas	
DMSO	15	HK3	e 3 (white cell)	-0.965787 Inlier
siRNA Disorazole DMSO Run2	NM_0021		hexokinas	
	15	HK3	e 3 (white cell)	-0.746987 Inlier
siRNA-Temozolomide Run1-	NM_0021		hexokinas	
DMSO	15	HK3	e 3 (white cell)	-0.132822 Inlier
siRNA Disorazole DMSO Run1	NM_0021		hexokinas	
	15	HK3	e 3 (white cell)	-0.070342 Inlier
siRNA-Temozolomide Run2-	NM_0021		hexokinas	
DMSO	15	HK3	e 3 (white cell)	0.070342 Inlier
siRNA Disorazole DMSO Run3	NM_0021		hexokinas	
	15	HK3	e 3 (white cell)	0.62716 Inlier
siRNA-Vinblastine Run2-	NM_0021		hexokinas	
DMSO	15	HK3	e 3 (white cell)	0.72184 Inlier
siRNA-Vinblastine Run1-	NM_0021		hexokinas	
DMSO	15	HK3	e 3 (white cell)	0.847755 Inlier
siRNA-Vinblastine Run2-	NM_0004		holocarbo	
DMSO	11	HLCS	xylase	
			synthetase	
			(biotin-	
			[propionyl-	
			Coenzyme	
			A-	
			carboxylas	
			e (ATP-	
			hydrolysin	
			g)] ligase)	-0.740576 Inlier
siRNA-Temozolomide Run2-	NM_0004		holocarbo	
DMSO	11	HLCS	xylase	
			synthetase	
			(biotin-	
			[propionyl-	
			Coenzyme	
			A-	
			carboxylas	
			e (ATP-	
			hydrolysin	
			g)] ligase)	-0.608424 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0004 11	HLCS	holocarbo xylase synthetase (biotin- [propionyl- Coenzyme A- carboxylas e (ATP- hydrolysin g)] ligase)	-0.187916	Inlier
siRNA Disorazole DMSO Run1	NM_0004 11	HLCS	holocarbo xylase synthetase (biotin- [propionyl- Coenzyme A- carboxylas e (ATP- hydrolysin g)] ligase)	-0.016527	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0004 11	HLCS	holocarbo xylase synthetase (biotin- [propionyl- Coenzyme A- carboxylas e (ATP- hydrolysin g)] ligase)	0.016527	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0004 11	HLCS	holocarbo xylase synthetase (biotin- [propionyl- Coenzyme A- carboxylas e (ATP- hydrolysin g)] ligase)	2.071453	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0004 11	HLCS	holocarbo xylase synthetase (biotin- [propionyl- Coenzyme A- carboxylas e (ATP- hydrolysin g)] ligase)	7.910415	Outlier
siRNA-Vinblastine Run1- DMSO	NM_0004 11	HLCS	holocarbo xylase synthetase (biotin- [propionyl- Coenzyme A- carboxylas e (ATP- hydrolysin g)] ligase)	11.5615	Outlier
siRNA-Temozolomide Run3- DMSO	NM_1785 82	HM13	histocomp atibility (minor) 13	-0.96749	Inlier
siRNA Disorazole DMSO Run2	NM_1785 82	HM13	histocomp atibility (minor) 13	-0.702346	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1785 82	HM13	histocomp atibility (minor) 13	-0.646654	Inlier
siRNA Disorazole DMSO Run3	NM_1785 82	HM13	histocomp atibility (minor) 13	-0.020689	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1785 82	HM13	histocomp atibility (minor) 13	0.020689	Inlier
siRNA Disorazole DMSO Run1	NM_1785 82	HM13	histocomp atibility (minor) 13	0.561596	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1785 82	HM13	histocomp atibility (minor) 13	1.025782	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1785 82	HM13	histocomp atibility (minor) 13	1.137289	Inlier
siRNA Disorazole DMSO Run3	NM_0001 90	HMBS	hydroxyme thylbilane synthase	-0.755507	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_000190	HMBS	hydroxyme thylbilane synthase	-0.593493	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000190	HMBS	hydroxyme thylbilane synthase	-0.05302	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000190	HMBS	hydroxyme thylbilane synthase	-0.022842	Inlier
siRNA Disorazole DMSO Run1	NM_000190	HMBS	hydroxyme thylbilane synthase	0.022842	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000190	HMBS	hydroxyme thylbilane synthase	0.894806	Inlier
siRNA Disorazole DMSO Run2	NM_000190	HMBS	hydroxyme thylbilane synthase	1.656736	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000190	HMBS	hydroxyme thylbilane synthase	1.858519	Inlier
siRNA Disorazole DMSO Run3	NM_145901	HMGA1	high mobility group AT-hook 1	-1.028612	Inlier
siRNA-Temozolomide Run3-DMSO	NM_145901	HMGA1	high mobility group AT-hook 1	-0.576788	Inlier
siRNA-Temozolomide Run1-DMSO	NM_145901	HMGA1	high mobility group AT-hook 1	-0.218452	Inlier
siRNA Disorazole DMSO Run2	NM_145901	HMGA1	high mobility group AT-hook 1	-0.001072	Inlier
siRNA-Temozolomide Run2-DMSO	NM_145901	HMGA1	high mobility group AT-hook 1	0.001072	Inlier
siRNA Disorazole DMSO Run1	NM_145901	HMGA1	high mobility group AT-hook 1	0.772212	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_145901	HMGGA1	high mobility group AT-hook 1	1.377016	Inlier
siRNA-Vinblastine Run2-DMSO	NM_145901	HMGGA1	high mobility group AT-hook 1	1.714147	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000191	HMGCL	3-hydroxyme thyl-3-methylglut aryl-Coenzyme A lyase (hydroxym ethylglutari caciduria)	-1.689796	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000191	HMGCL	3-hydroxyme thyl-3-methylglut aryl-Coenzyme A lyase (hydroxym ethylglutari caciduria)	-1.46427	Inlier
siRNA Disorazole DMSO Run3	NM_000191	HMGCL	3-hydroxyme thyl-3-methylglut aryl-Coenzyme A lyase (hydroxym ethylglutari caciduria)	-0.607017	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000191	HMGCL	3-hydroxyme thyl-3-methylglut aryl-Coenzyme A lyase (hydroxym ethylglutari caciduria)	-0.340416	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0001 91	HMGCL	3- hydroxyme thyl-3- methylglut aryl- Coenzyme A lyase (hydroxym ethylglutari caciduria)	0.340416	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0001 91	HMGCL	3- hydroxyme thyl-3- methylglut aryl- Coenzyme A lyase (hydroxym ethylglutari caciduria)	0.468042	Inlier
siRNA Disorazole DMSO Run2	NM_0001 91	HMGCL	3- hydroxyme thyl-3- methylglut aryl- Coenzyme A lyase (hydroxym ethylglutari caciduria)	0.741983	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0001 91	HMGCL	3- hydroxyme thyl-3- methylglut aryl- Coenzyme A lyase (hydroxym ethylglutari caciduria)	1.089791	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0008 59	HMGCR	3-hydroxy- 3- methylglut aryl- Coenzyme A reductase	-1.385737	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0008 59	HMGCR	3-hydroxy-3-methylglutaryl-Coenzyme A reductase	-0.680757	Inlier
siRNA Disorazole DMSO Run1	NM_0008 59	HMGCR	3-hydroxy-3-methylglutaryl-Coenzyme A reductase	-0.668243	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0008 59	HMGCR	3-hydroxy-3-methylglutaryl-Coenzyme A reductase	-0.29748	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0008 59	HMGCR	3-hydroxy-3-methylglutaryl-Coenzyme A reductase	0.29748	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0008 59	HMGCR	3-hydroxy-3-methylglutaryl-Coenzyme A reductase	0.314672	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0008 59	HMGCR	3-hydroxy-3-methylglutaryl-Coenzyme A reductase	1.37232	Inlier
siRNA Disorazole DMSO Run2	NM_0008 59	HMGCR	3-hydroxy-3-methylglutaryl-Coenzyme A reductase	1.492156	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0021 30	HMGCS1	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1 (soluble)	-0.894081	Inlier
siRNA Disorazole DMSO Run1	NM_0021 30	HMGCS1	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1 (soluble)	-0.695836	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0021 30	HMGCS1	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1 (soluble)	-0.653164	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0021 30	HMGCS1	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1 (soluble)	-0.237573	Inlier
siRNA Disorazole DMSO Run3	NM_0021 30	HMGCS1	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1 (soluble)	0.237573	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0021 30	HMGCS1	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1 (soluble)	0.547479	Inlier
siRNA Disorazole DMSO Run2	NM_0021 30	HMGCS1	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1 (soluble)	3.011273	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0021 30	HMGCS1	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1 (soluble)	3.86662	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0055 18	HMGCS2	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 2 (mitochondrial)	-1.772507	Inlier
siRNA Disorazole DMSO Run1	NM_0055 18	HMGCS2	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 2 (mitochondrial)	-1.038278	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_005518	HMGCS2	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 2 (mitochondrial)	-0.310722	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005518	HMGCS2	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 2 (mitochondrial)	-0.125267	Inlier
siRNA Disorazole DMSO Run3	NM_005518	HMGCS2	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 2 (mitochondrial)	0.125267	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005518	HMGCS2	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 2 (mitochondrial)	0.270439	Inlier
siRNA Disorazole DMSO Run2	NM_005518	HMGCS2	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 2 (mitochondrial)	1.390978	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_005518	HMGCS2	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 2 (mitochondrial)	2.124737	Inlier
siRNA-Temozolomide Run3-DMSO	NM_012484	HMMR	hyaluronan-mediated motility receptor (RHAMM)	-1.641489	Inlier
siRNA-Temozolomide Run2-DMSO	NM_012484	HMMR	hyaluronan-mediated motility receptor (RHAMM)	-0.77407	Inlier
siRNA-Vinblastine Run2-DMSO	NM_012484	HMMR	hyaluronan-mediated motility receptor (RHAMM)	-0.279545	Inlier
siRNA Disorazole DMSO Run1	NM_012484	HMMR	hyaluronan-mediated motility receptor (RHAMM)	-0.183336	Inlier
siRNA-Temozolomide Run1-DMSO	NM_012484	HMMR	hyaluronan-mediated motility receptor (RHAMM)	0.183336	Inlier
siRNA Disorazole DMSO Run3	NM_012484	HMMR	hyaluronan-mediated motility receptor (RHAMM)	0.57493	Inlier
siRNA Disorazole DMSO Run2	NM_012484	HMMR	hyaluronan-mediated motility receptor (RHAMM)	2.159506	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_012484	HMMR	hyaluronan-mediated motility receptor (RHAMM)	2.581923	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002133	HMOX1	heme oxygenase (decycling) 1	-2.19554	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002133	HMOX1	heme oxygenase (decycling) 1	-1.62894	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002133	HMOX1	heme oxygenase (decycling) 1	-0.630038	Inlier
siRNA Disorazole DMSO Run3	NM_002133	HMOX1	heme oxygenase (decycling) 1	-0.12468	Inlier
siRNA Disorazole DMSO Run1	NM_002133	HMOX1	heme oxygenase (decycling) 1	0.12468	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002133	HMOX1	heme oxygenase (decycling) 1	0.63296	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002133	HMOX1	heme oxygenase (decycling) 1	0.71604	Inlier
siRNA Disorazole DMSO Run2	NM_002133	HMOX1	heme oxygenase (decycling) 1	0.802198	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002134	HMOX2	heme oxygenase (decycling) 2	-1.857625	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0021 34	HMOX2	heme oxygenase (decycling) 2	-0.929424	Inlier
siRNA Disorazole DMSO Run1	NM_0021 34	HMOX2	heme oxygenase (decycling) 2	-0.419576	Inlier
siRNA Disorazole DMSO Run3	NM_0021 34	HMOX2	heme oxygenase (decycling) 2	-0.095167	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0021 34	HMOX2	heme oxygenase (decycling) 2	0.095167	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0021 34	HMOX2	heme oxygenase (decycling) 2	0.393491	Inlier
siRNA Disorazole DMSO Run2	NM_0021 34	HMOX2	heme oxygenase (decycling) 2	1.208952	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0021 34	HMOX2	heme oxygenase (decycling) 2	3.228492	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1788 50	HNF4A	hepatocyte nuclear factor 4, alpha	-0.925027	Inlier
siRNA Disorazole DMSO Run3	NM_1788 50	HNF4A	hepatocyte nuclear factor 4, alpha	-0.48359	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1788 50	HNF4A	hepatocyte nuclear factor 4, alpha	-0.222647	Inlier
siRNA Disorazole DMSO Run2	NM_1788 50	HNF4A	hepatocyte nuclear factor 4, alpha	-0.045737	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Gene ID	Gene Name	Value	Category
siRNA-Temozolomide Run1-DMSO	NM_1788	50	HNF4A	0.045737	Inlier
siRNA Disorazole DMSO Run1	NM_1788	50	HNF4A	0.86541	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1788	50	HNF4A	2.085175	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1788	50	HNF4A	2.502751	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0041	33	HNF4G	-3.642396	Outlier
siRNA Disorazole DMSO Run1	NM_0041	33	HNF4G	-2.728594	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0041	33	HNF4G	-0.864828	Inlier
siRNA Disorazole DMSO Run3	NM_0041	33	HNF4G	-0.144151	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0041	33	HNF4G	0.144151	Inlier
siRNA Disorazole DMSO Run2	NM_0041	33	HNF4G	0.253347	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0041	33	HNF4G	0.484172	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0041	33	HNF4G	1.117144	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	GO Term	Score	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_182547	HNLF	transmembrane emp24 protein transport domain containing 4	-0.809513	Inlier
siRNA-Temozolomide Run1-DMSO	NM_182547	HNLF	transmembrane emp24 protein transport domain containing 4	-0.736402	Inlier
siRNA-Temozolomide Run3-DMSO	NM_182547	HNLF	transmembrane emp24 protein transport domain containing 4	-0.392765	Inlier
siRNA-Vinblastine Run2-DMSO	NM_182547	HNLF	transmembrane emp24 protein transport domain containing 4	-0.220822	Inlier
siRNA Disorazole DMSO Run1	NM_182547	HNLF	transmembrane emp24 protein transport domain containing 4	0.220823	Inlier
siRNA Disorazole DMSO Run3	NM_182547	HNLF	transmembrane emp24 protein transport domain containing 4	0.612598	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Gene	Gene	Value	Category
siRNA Disorazole DMSO Run2	NM_1825	47	HNLF	transmembrane emp24 protein transport domain containing 4	1.14455	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1825	47	HNLF	transmembrane emp24 protein transport domain containing 4	1.181001	Inlier
siRNA Disorazole DMSO Run1	NM_0068	95	HNMT	histamine N-methyltransferase	-1.098999	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0068	95	HNMT	histamine N-methyltransferase	-0.700219	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0068	95	HNMT	histamine N-methyltransferase	-0.648781	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0068	95	HNMT	histamine N-methyltransferase	-0.48672	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0068	95	HNMT	histamine N-methyltransferase	0.48672	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0068	95	HNMT	histamine N-methyltransferase	0.514819	Inlier
siRNA Disorazole DMSO Run3	NM_0068	95	HNMT	histamine N-methyltransferase	0.874891	Inlier
siRNA Disorazole DMSO Run2	NM_0068	95	HNMT	histamine N-methyltransferase	1.573836	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0311 57	HNRPA1	heterogeneous nuclear ribonucleo protein A1 heterogeneous	-1.204601	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0311 57	HNRPA1	heterogeneous nuclear ribonucleo protein A1 heterogeneous	-0.74027	Inlier
siRNA Disorazole DMSO Run3	NM_0311 57	HNRPA1	heterogeneous nuclear ribonucleo protein A1 heterogeneous	-0.355393	Inlier
siRNA Disorazole DMSO Run1	NM_0311 57	HNRPA1	heterogeneous nuclear ribonucleo protein A1 heterogeneous	-0.185845	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0311 57	HNRPA1	heterogeneous nuclear ribonucleo protein A1 heterogeneous	0.185845	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0311 57	HNRPA1	heterogeneous nuclear ribonucleo protein A1 heterogeneous	0.60873	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0311 57	HNRPA1	heterogeneous nuclear ribonucleo protein A1 heterogeneous	1.767802	Inlier
siRNA Disorazole DMSO Run2	NM_0311 57	HNRPA1	heterogeneous nuclear ribonucleo protein A1	1.982398	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0051 43	HP	haptoglobin	-3.636357	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0051 43	HP	haptoglobin	-2.612985	Inlier
siRNA Disorazole DMSO Run3	NM_0051 43	HP	haptoglobin	-0.420566	Inlier
siRNA Disorazole DMSO Run1	NM_0051 43	HP	haptoglobin	-0.060021	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0051 43	HP	haptoglobin	0.060022	Inlier
siRNA Disorazole DMSO Run2	NM_0051 43	HP	haptoglobin	0.511364	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA-Vinblastine Run2-DMSO	NM_0051	43	HP	haptoglobi n	0.837636	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0051	43	HP	haptoglobi n	1.831055	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0021	50	HPD	4- hydroxyph enylpyruva te dioxygena se	-3.507116	Outlier
siRNA Disorazole DMSO Run3	NM_0021	50	HPD	4- hydroxyph enylpyruva te dioxygena se	-0.796923	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0021	50	HPD	4- hydroxyph enylpyruva te dioxygena se	-0.552077	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0021	50	HPD	4- hydroxyph enylpyruva te dioxygena se	-0.303038	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0021	50	HPD	4- hydroxyph enylpyruva te dioxygena se	0.303038	Inlier
siRNA Disorazole DMSO Run1	NM_0021	50	HPD	4- hydroxyph enylpyruva te dioxygena se	0.404772	Inlier
siRNA Disorazole DMSO Run2	NM_0021	50	HPD	4- hydroxyph enylpyruva te dioxygena se	1.332849	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0021	50	HPD	4- hydroxyph enylpyruva te dioxygena se	1.807608	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	HPGD	Gene Name	Value	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_000860	HPGD	hydroxyprostaglandin dehydrogenase 15-(NAD)	-0.999214	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000860	HPGD	hydroxyprostaglandin dehydrogenase 15-(NAD)	-0.834184	Inlier
siRNA Disorazole DMSO Run1	NM_000860	HPGD	hydroxyprostaglandin dehydrogenase 15-(NAD)	-0.246296	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000860	HPGD	hydroxyprostaglandin dehydrogenase 15-(NAD)	-0.133859	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000860	HPGD	hydroxyprostaglandin dehydrogenase 15-(NAD)	0.133859	Inlier
siRNA Disorazole DMSO Run3	NM_000860	HPGD	hydroxyprostaglandin dehydrogenase 15-(NAD)	0.590364	Inlier
siRNA Disorazole DMSO Run2	NM_000860	HPGD	hydroxyprostaglandin dehydrogenase 15-(NAD)	0.758636	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000860	HPGD	hydroxyprostaglandin dehydrogenase 15-(NAD)	0.783955	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_1829 83	HPN	hepsin (transmembrane protease, serine 1)	-1.72541	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1829 83	HPN	hepsin (transmembrane protease, serine 1)	-1.482119	Inlier
siRNA Disorazole DMSO Run3	NM_1829 83	HPN	hepsin (transmembrane protease, serine 1)	-0.058125	Inlier
siRNA Disorazole DMSO Run2	NM_1829 83	HPN	hepsin (transmembrane protease, serine 1)	-0.014394	Inlier
siRNA Disorazole DMSO Run1	NM_1829 83	HPN	hepsin (transmembrane protease, serine 1)	0.014394	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1829 83	HPN	hepsin (transmembrane protease, serine 1)	0.381851	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1829 83	HPN	hepsin (transmembrane protease, serine 1)	0.967149	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1829 83	HPN	hepsin (transmembrane protease, serine 1)	2.177763	Inlier
siRNA Disorazole DMSO Run2	NM_0209 95	HPR	haptoglobin-related protein	-0.815802	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0209 95	HPR	haptoglobin-related protein	-0.745058	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0209 95	HPR	haptoglobin-related protein	-0.375019	Inlier
siRNA Disorazole DMSO Run3	NM_0209 95	HPR	haptoglobin-related protein	-0.331298	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0209 95	HPR	haptoglobi n-related protein	0.331298	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0209 95	HPR	haptoglobi n-related protein	0.603942	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0209 95	HPR	haptoglobi n-related protein	1.193485	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0209 95	HPR	haptoglobi n-related protein	1.484861	Inlier
siRNA Disorazole DMSO Run1	NM_0001 94	HPRT1	hypoxanthi ne phosphori bosyltransf erase 1 (Lesch- Nyhan syndrome)	-0.86762	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0001 94	HPRT1	hypoxanthi ne phosphori bosyltransf erase 1 (Lesch- Nyhan syndrome)	-0.572006	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0001 94	HPRT1	hypoxanthi ne phosphori bosyltransf erase 1 (Lesch- Nyhan syndrome)	-0.562476	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0001 94	HPRT1	hypoxanthi ne phosphori bosyltransf erase 1 (Lesch- Nyhan syndrome)	-0.2437	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_000194	HPRT1	hypoxanthine phosphoribosyltransferase 1 (Lesch-Nyhan syndrome)	0.2437	Inlier
siRNA Disorazole DMSO Run3	NM_000194	HPRT1	hypoxanthine phosphoribosyltransferase 1 (Lesch-Nyhan syndrome)	0.776994	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000194	HPRT1	hypoxanthine phosphoribosyltransferase 1 (Lesch-Nyhan syndrome)	2.541486	Inlier
siRNA Disorazole DMSO Run2	NM_000194	HPRT1	hypoxanthine phosphoribosyltransferase 1 (Lesch-Nyhan syndrome)	3.695293	Outlier
siRNA-Temozolomide Run3-DMSO	NM_006665	HPSE	heparanase	-1.942106	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006665	HPSE	heparanase	-0.691004	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006665	HPSE	heparanase	-0.540754	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006665	HPSE	heparanase	-0.351073	Inlier
siRNA Disorazole DMSO Run1	NM_006665	HPSE	heparanase	0.351073	Inlier
siRNA Disorazole DMSO Run3	NM_006665	HPSE	heparanase	0.657996	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006665	HPSE	heparanase	1.291827	Inlier
siRNA Disorazole DMSO Run2	NM_006665	HPSE	heparanase	2.313629	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			v-Ha-ras Harvey rat sarcoma viral	
siRNA-Temozolomide Run2- DMSO	NM_1767 95	HRAS	oncogene homolog	-1.783541 Inlier
			v-Ha-ras Harvey rat sarcoma viral	
siRNA Disorazole DMSO Run3	NM_1767 95	HRAS	oncogene homolog	-0.715752 Inlier
			v-Ha-ras Harvey rat sarcoma viral	
siRNA Disorazole DMSO Run1	NM_1767 95	HRAS	oncogene homolog	-0.633248 Inlier
			v-Ha-ras Harvey rat sarcoma viral	
siRNA-Temozolomide Run1- DMSO	NM_1767 95	HRAS	oncogene homolog	-0.06322 Inlier
			v-Ha-ras Harvey rat sarcoma viral	
siRNA-Temozolomide Run3- DMSO	NM_1767 95	HRAS	oncogene homolog	0.06322 Inlier
			v-Ha-ras Harvey rat sarcoma viral	
siRNA-Vinblastine Run2- DMSO	NM_1767 95	HRAS	oncogene homolog	0.139883 Inlier
			v-Ha-ras Harvey rat sarcoma viral	
siRNA-Vinblastine Run1- DMSO	NM_1767 95	HRAS	oncogene homolog	1.83582 Inlier
			v-Ha-ras Harvey rat sarcoma viral	
siRNA Disorazole DMSO Run2	NM_1767 95	HRAS	oncogene homolog	1.921006 Inlier
			histamine receptor	
siRNA Disorazole DMSO Run2	NM_0008 61	HRH1	H1	-1.191726 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology				histamine receptor	
siRNA-Temozolomide Run3-DMSO	NM_0008 61	HRH1	H1	-0.829795	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0008 61	HRH1	H1	-0.522872	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0008 61	HRH1	H1	-0.430424	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0008 61	HRH1	H1	0.430423	Inlier
siRNA Disorazole DMSO Run1	NM_0008 61	HRH1	H1	0.566817	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0008 61	HRH1	H1	0.782183	Inlier
siRNA Disorazole DMSO Run3	NM_0008 61	HRH1	H1	0.819935	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0223 04	HRH2	H2	-1.38882	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0223 04	HRH2	H2	-0.562801	Inlier
siRNA Disorazole DMSO Run2	NM_0223 04	HRH2	H2	-0.537237	Inlier
siRNA Disorazole DMSO Run1	NM_0223 04	HRH2	H2	-0.184371	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0223 04	HRH2	H2	0.184371	Inlier
siRNA Disorazole DMSO Run3	NM_0223 04	HRH2	H2	0.786198	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0223 04	HRH2	H2	1.004062	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0223 04	HRH2	H2	1.12387	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0072 32	HRH3	H3	-0.874566	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0072 32	HRH3	H3	-0.474434	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology				histamine	
siRNA-Temozolomide Run2- DMSO	NM_0072 32	HRH3	receptor H3	-0.432952	Inlier
siRNA Disorazole DMSO Run1	NM_0072 32	HRH3	receptor H3	-0.071724	Inlier
siRNA Disorazole DMSO Run2	NM_0072 32	HRH3	receptor H3	0.071724	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0072 32	HRH3	receptor H3	1.053772	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0072 32	HRH3	receptor H3	1.320998	Inlier
siRNA Disorazole DMSO Run3	NM_0072 32	HRH3	receptor H3	2.022962	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0216 24	HRH4	receptor H4	-1.478641	Inlier
siRNA Disorazole DMSO Run2	NM_0216 24	HRH4	receptor H4	-0.521214	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0216 24	HRH4	receptor H4	-0.372219	Inlier
siRNA Disorazole DMSO Run1	NM_0216 24	HRH4	receptor H4	-0.153542	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0216 24	HRH4	receptor H4	0.153542	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0216 24	HRH4	receptor H4	0.827786	Inlier
siRNA Disorazole DMSO Run3	NM_0216 24	HRH4	receptor H4	1.547015	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0216 24	HRH4	receptor H4	1.808651	Inlier
siRNA Disorazole DMSO Run2	NM_0144 13	HRI	eukaryotic translation initiation factor 2- alpha kinase 1	-0.754129	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0144 13	HRI	eukaryotic translation initiation factor 2-alpha kinase 1	-0.594871	Inlier
siRNA Disorazole DMSO Run3	NM_0144 13	HRI	eukaryotic translation initiation factor 2-alpha kinase 1	-0.532064	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0144 13	HRI	eukaryotic translation initiation factor 2-alpha kinase 1	-0.019644	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0144 13	HRI	eukaryotic translation initiation factor 2-alpha kinase 1	0.019644	Inlier
siRNA Disorazole DMSO Run1	NM_0144 13	HRI	eukaryotic translation initiation factor 2-alpha kinase 1	1.266906	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0144 13	HRI	eukaryotic translation initiation factor 2-alpha kinase 1	1.440254	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0144 13	HRI	eukaryotic translation initiation factor 2-alpha kinase 1	1.480195	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0038 06	HRK	harakiri, BCL2 interacting protein (contains only BH3 domain)	-0.935225	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0038 06	HRK	harakiri, BCL2 interacting protein (contains only BH3 domain)	-0.905794	Inlier
siRNA Disorazole DMSO Run1	NM_0038 06	HRK	harakiri, BCL2 interacting protein (contains only BH3 domain)	-0.874774	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0038 06	HRK	harakiri, BCL2 interacting protein (contains only BH3 domain)	-0.048666	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0038 06	HRK	harakiri, BCL2 interacting protein (contains only BH3 domain)	0.048666	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0038 06	HRK	harakiri, BCL2 interacting protein (contains only BH3 domain)	0.199868	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0038 06	HRK	harakiri, BCL2 interacting protein (contains only BH3 domain)	0.650577	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0038 06	HRK	harakiri, BCL2 interacting protein (contains only BH3 domain)	0.698423	Inlier
siRNA-Temozolomide Run1- DMSO	NM_2069 62	HRMT1L1	HMT1 hnRNP methyltran sferase- like 1 (S. cerevisiae)	-1.000956	Inlier
siRNA-Temozolomide Run2- DMSO	NM_2069 62	HRMT1L1	HMT1 hnRNP methyltran sferase- like 1 (S. cerevisiae)	-0.807253	Inlier
siRNA Disorazole DMSO Run1	NM_2069 62	HRMT1L1	HMT1 hnRNP methyltran sferase- like 1 (S. cerevisiae)	-0.379665	Inlier
siRNA Disorazole DMSO Run3	NM_2069 62	HRMT1L1	HMT1 hnRNP methyltran sferase- like 1 (S. cerevisiae)	-0.058521	Inlier
siRNA-Vinblastine Run2- DMSO	NM_2069 62	HRMT1L1	HMT1 hnRNP methyltran sferase- like 1 (S. cerevisiae)	0.058521	Inlier
siRNA-Temozolomide Run3- DMSO	NM_2069 62	HRMT1L1	HMT1 hnRNP methyltran sferase- like 1 (S. cerevisiae)	0.541747	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_2069 62	HRMT1L1	HMT1 hnRNP methyltran sferase- like 1 (S. cerevisiae)	2.442011	Inlier
siRNA Disorazole DMSO Run2	NM_2069 62	HRMT1L1	HMT1 hnRNP methyltran sferase- like 1 (S. cerevisiae)	2.866734	Inlier
siRNA Disorazole DMSO Run1	NM_1983 19	HRMT1L2	HMT1 hnRNP methyltran sferase- like 2 (S. cerevisiae)	-2.259804	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1983 19	HRMT1L2	HMT1 hnRNP methyltran sferase- like 2 (S. cerevisiae)	-1.276497	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1983 19	HRMT1L2	HMT1 hnRNP methyltran sferase- like 2 (S. cerevisiae)	-0.693728	Inlier
siRNA Disorazole DMSO Run3	NM_1983 19	HRMT1L2	HMT1 hnRNP methyltran sferase- like 2 (S. cerevisiae)	-0.028764	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1983 19	HRMT1L2	HMT1 hnRNP methyltran sferase- like 2 (S. cerevisiae)	0.028764	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_198319	HRMT1L2	HMT1 hnRNP methyltran sferase- like 2 (S. cerevisiae)	0.091095	Inlier
siRNA-Vinblastine Run1-DMSO	NM_198319	HRMT1L2	HMT1 hnRNP methyltran sferase- like 2 (S. cerevisiae)	0.655272	Inlier
siRNA Disorazole DMSO Run2	NM_198319	HRMT1L2	HMT1 hnRNP methyltran sferase- like 2 (S. cerevisiae)	1.811105	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005788	HRMT1L3	HMT1 hnRNP methyltran sferase- like 3 (S. cerevisiae)	-0.705703	Inlier
siRNA Disorazole DMSO Run1	NM_005788	HRMT1L3	HMT1 hnRNP methyltran sferase- like 3 (S. cerevisiae)	-0.643297	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005788	HRMT1L3	HMT1 hnRNP methyltran sferase- like 3 (S. cerevisiae)	-0.479957	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005788	HRMT1L3	HMT1 hnRNP methyltran sferase- like 3 (S. cerevisiae)	-0.027112	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0057 88	HRMT1L3	HMT1 hnRNP methyltran sferase- like 3 (S. cerevisiae)	0.027112	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0057 88	HRMT1L3	HMT1 hnRNP methyltran sferase- like 3 (S. cerevisiae)	0.707326	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0057 88	HRMT1L3	HMT1 hnRNP methyltran sferase- like 3 (S. cerevisiae)	0.933352	Inlier
siRNA Disorazole DMSO Run2	NM_0057 88	HRMT1L3	HMT1 hnRNP methyltran sferase- like 3 (S. cerevisiae)	1.531458	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0198 54	HRMT1L4	HMT1 hnRNP methyltran sferase- like 4 (S. cerevisiae)	-1.955169	Inlier
siRNA Disorazole DMSO Run1	NM_0198 54	HRMT1L4	HMT1 hnRNP methyltran sferase- like 4 (S. cerevisiae)	-1.018337	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0198 54	HRMT1L4	HMT1 hnRNP methyltran sferase- like 4 (S. cerevisiae)	-0.272922	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0198 54	HRMT1L4	HMT1 hnRNP methyltran sferase- like 4 (S. cerevisiae)	-0.200031	Inlier
siRNA Disorazole DMSO Run3	NM_0198 54	HRMT1L4	HMT1 hnRNP methyltran sferase- like 4 (S. cerevisiae)	0.200031	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0198 54	HRMT1L4	HMT1 hnRNP methyltran sferase- like 4 (S. cerevisiae)	0.330663	Inlier
siRNA Disorazole DMSO Run2	NM_0198 54	HRMT1L4	HMT1 hnRNP methyltran sferase- like 4 (S. cerevisiae)	2.05521	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0198 54	HRMT1L4	HMT1 hnRNP methyltran sferase- like 4 (S. cerevisiae)	2.126935	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0181 37	HRMT1L6	HMT1 hnRNP methyltran sferase- like 6 (S. cerevisiae)	-1.038821	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0181 37	HRMT1L6	HMT1 hnRNP methyltran sferase- like 6 (S. cerevisiae)	-0.576745	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0181 37	HRMT1L6	HMT1 hnRNP methyltran sferase- like 6 (S. cerevisiae)	-0.348074	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0181 37	HRMT1L6	HMT1 hnRNP methyltran sferase- like 6 (S. cerevisiae)	-0.266361	Inlier
siRNA Disorazole DMSO Run3	NM_0181 37	HRMT1L6	HMT1 hnRNP methyltran sferase- like 6 (S. cerevisiae)	0.266362	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0181 37	HRMT1L6	HMT1 hnRNP methyltran sferase- like 6 (S. cerevisiae)	0.772255	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0181 37	HRMT1L6	HMT1 hnRNP methyltran sferase- like 6 (S. cerevisiae)	1.951328	Inlier
siRNA Disorazole DMSO Run2	NM_0181 37	HRMT1L6	HMT1 hnRNP methyltran sferase- like 6 (S. cerevisiae)	2.397689	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0122 62	HS2ST1	heparan sulfate 2- O- sulfotransf erase 1	-1.340206	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0122 62	HS2ST1	heparan sulfate 2- O- sulfotransf erase 1	-0.748986	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0122 62	HS2ST1	heparan sulfate 2-O-sulfotransferase 1	-0.600014	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0122 62	HS2ST1	heparan sulfate 2-O-sulfotransferase 1	-0.01362	Inlier
siRNA Disorazole DMSO Run3	NM_0122 62	HS2ST1	heparan sulfate 2-O-sulfotransferase 1	0.01362	Inlier
siRNA Disorazole DMSO Run1	NM_0122 62	HS2ST1	heparan sulfate 2-O-sulfotransferase 1	0.069716	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0122 62	HS2ST1	heparan sulfate 2-O-sulfotransferase 1	1.216792	Inlier
siRNA Disorazole DMSO Run2	NM_0122 62	HS2ST1	heparan sulfate (glucosamine) 3-O-sulfotransferase 1	1.266137	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0051 14	HS3ST1	heparan sulfate (glucosamine) 3-O-sulfotransferase 1	-1.834009	Inlier
siRNA Disorazole DMSO Run2	NM_0051 14	HS3ST1	heparan sulfate (glucosamine) 3-O-sulfotransferase 1	-0.897854	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0051 14	HS3ST1	heparan sulfate (glucosamine) 3-O-sulfotransferase 1	-0.451146	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Condition	Run	Gene	Accession	Gene	Value	Category
siRNA Disorazole	DMSO	Run3	14	NM_0051	HS3ST1	-0.046035	Inlier
siRNA-Temozolomide	Run1-DMSO	14	NM_0051	HS3ST1	0.046036	Inlier	
siRNA Disorazole	DMSO	Run1	14	NM_0051	HS3ST1	0.355314	Inlier
siRNA-Vinblastine	Run2-DMSO	14	NM_0051	HS3ST1	3.534343	Outlier	
siRNA-Vinblastine	Run1-DMSO	14	NM_0051	HS3ST1	3.60472	Outlier	
siRNA Disorazole	DMSO	Run2	43	NM_0060	HS3ST2	-3.462863	Inlier
siRNA-Temozolomide	Run3-DMSO	43	NM_0060	HS3ST2	-1.577778	Inlier	
siRNA Disorazole	DMSO	Run1	43	NM_0060	HS3ST2	-0.703672	Inlier

heparan sulfate (glucosamine) 3-O-sulfotransferase 1
 heparan sulfate (glucosamine) 3-O-sulfotransferase 1
 heparan sulfate (glucosamine) 3-O-sulfotransferase 1
 heparan sulfate (glucosamine) 3-O-sulfotransferase 1
 heparan sulfate (glucosamine) 3-O-sulfotransferase 1
 heparan sulfate (glucosamine) 3-O-sulfotransferase 2
 heparan sulfate (glucosamine) 3-O-sulfotransferase 2
 heparan sulfate (glucosamine) 3-O-sulfotransferase 2

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0060 43	HS3ST2	heparan sulfate (glucosamine) 3-O-sulfotransferase 2	-0.155548	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0060 43	HS3ST2	heparan sulfate (glucosamine) 3-O-sulfotransferase 2	0.155548	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0060 43	HS3ST2	heparan sulfate (glucosamine) 3-O-sulfotransferase 2	0.384576	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0060 43	HS3ST2	heparan sulfate (glucosamine) 3-O-sulfotransferase 2	0.645328	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0060 43	HS3ST2	heparan sulfate (glucosamine) 3-O-sulfotransferase 2	1.635488	Inlier
siRNA Disorazole DMSO Run1	NM_0060 42	HS3ST3A1	heparan sulfate (glucosamine) 3-O-sulfotransferase 3A1	-3.405191	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0060 42	HS3ST3A1	heparan sulfate (glucosamine) 3-O-sulfotransferase 3A1	-1.076846	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0060 42	HS3ST3A1	heparan sulfate (glucosamine) 3-O-sulfotransferase 3A1	-0.476344	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Count	Gene Name	Value	Category
siRNA-Temozolomide Run1-DMSO	NM_006042	HS3ST3A	1	heparan sulfate (glucosamine) 3-O-sulfotransferase 3A1	-0.354025	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006042	HS3ST3A	1	heparan sulfate (glucosamine) 3-O-sulfotransferase 3A1	0.354025	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006042	HS3ST3A	1	heparan sulfate (glucosamine) 3-O-sulfotransferase 3A1	0.398673	Inlier
siRNA Disorazole DMSO Run2	NM_006042	HS3ST3A	1	heparan sulfate (glucosamine) 3-O-sulfotransferase 3A1	0.872656	Inlier
siRNA Disorazole DMSO Run3	NM_006042	HS3ST3A	1	heparan sulfate (glucosamine) 3-O-sulfotransferase 3A1	3.802438	Outlier
siRNA-Temozolomide Run3-DMSO	NM_006041	HS3ST3B	1	heparan sulfate (glucosamine) 3-O-sulfotransferase 3B1	-2.525677	Inlier
siRNA Disorazole DMSO Run1	NM_006041	HS3ST3B	1	heparan sulfate (glucosamine) 3-O-sulfotransferase 3B1	-1.595327	Inlier
siRNA Disorazole DMSO Run2	NM_006041	HS3ST3B	1	heparan sulfate (glucosamine) 3-O-sulfotransferase 3B1	-0.741092	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Enzyme	Value	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_006041	HS3ST3B	heparan sulfate (glucosamine) 3-O-sulfotransferase 3B1	-0.089388	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006041	HS3ST3B	heparan sulfate (glucosamine) 3-O-sulfotransferase 3B1	0.089388	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006041	HS3ST3B	heparan sulfate (glucosamine) 3-O-sulfotransferase 3B1	0.135729	Inlier
siRNA Disorazole DMSO Run3	NM_006041	HS3ST3B	heparan sulfate (glucosamine) 3-O-sulfotransferase 3B1	0.607908	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006041	HS3ST3B	heparan sulfate (glucosamine) 3-O-sulfotransferase 3B1	0.966881	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006040	HS3ST4	heparan sulfate (glucosamine) 3-O-sulfotransferase 4	-1.18501	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006040	HS3ST4	heparan sulfate (glucosamine) 3-O-sulfotransferase 4	-1.010617	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006040	HS3ST4	heparan sulfate (glucosamine) 3-O-sulfotransferase 4	-0.284551	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0060 40	HS3ST4	heparan sulfate (glucosamine) 3-O-sulfotransferase 4	-0.078733	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0060 40	HS3ST4	heparan sulfate (glucosamine) 3-O-sulfotransferase 4	0.078733	Inlier
siRNA Disorazole DMSO Run1	NM_0060 40	HS3ST4	heparan sulfate (glucosamine) 3-O-sulfotransferase 4	0.338383	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0060 40	HS3ST4	heparan sulfate (glucosamine) 3-O-sulfotransferase 4	1.441771	Inlier
siRNA Disorazole DMSO Run2	NM_0060 40	HS3ST4	heparan sulfate (glucosamine) 3-O-sulfotransferase 4	1.728292	Inlier
siRNA Disorazole DMSO Run1	NM_1536 12	HS3ST5	heparan sulfate (glucosamine) 3-O-sulfotransferase 5	-1.343462	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1536 12	HS3ST5	heparan sulfate (glucosamine) 3-O-sulfotransferase 5	-0.652867	Inlier
siRNA Disorazole DMSO Run2	NM_1536 12	HS3ST5	heparan sulfate (glucosamine) 3-O-sulfotransferase 5	-0.485982	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Enzyme	Value	Category
siRNA-Temozolomide Run2-DMSO	NM_153612	HS3ST5	heparan sulfate (glucosamine) 3-O-sulfotransferase 5	-0.063879	Inlier
siRNA-Temozolomide Run1-DMSO	NM_153612	HS3ST5	heparan sulfate (glucosamine) 3-O-sulfotransferase 5	0.063879	Inlier
siRNA-Vinblastine Run1-DMSO	NM_153612	HS3ST5	heparan sulfate (glucosamine) 3-O-sulfotransferase 5	0.696133	Inlier
siRNA-Vinblastine Run2-DMSO	NM_153612	HS3ST5	heparan sulfate (glucosamine) 3-O-sulfotransferase 5	0.775222	Inlier
siRNA Disorazole DMSO Run3	NM_153612	HS3ST5	heparan sulfate 6-O-sulfotransferase 5	2.440419	Inlier
siRNA Disorazole DMSO Run1	NM_004807	HS6ST1	heparan sulfate 6-O-sulfotransferase 1	-1.716736	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004807	HS6ST1	heparan sulfate 6-O-sulfotransferase 1	-0.823528	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004807	HS6ST1	heparan sulfate 6-O-sulfotransferase 1	-0.525472	Inlier
siRNA Disorazole DMSO Run3	NM_004807	HS6ST1	heparan sulfate 6-O-sulfotransferase 1	-0.275539	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_004807	HS6ST1	heparan sulfate 6-O-sulfotransferase 1	0.275539	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004807	HS6ST1	heparan sulfate 6-O-sulfotransferase 1	0.393447	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004807	HS6ST1	heparan sulfate 6-O-sulfotransferase 1	1.735843	Inlier
siRNA Disorazole DMSO Run2	NM_004807	HS6ST1	heparan sulfate 6-O-sulfotransferase 1	2.394072	Inlier
siRNA Disorazole DMSO Run1	NM_147175	HS6ST2	heparan sulfate 6-O-sulfotransferase 2	-1.574785	Inlier
siRNA-Temozolomide Run1-DMSO	NM_147175	HS6ST2	heparan sulfate 6-O-sulfotransferase 2	-0.687642	Inlier
siRNA-Temozolomide Run2-DMSO	NM_147175	HS6ST2	heparan sulfate 6-O-sulfotransferase 2	-0.661358	Inlier
siRNA Disorazole DMSO Run3	NM_147175	HS6ST2	heparan sulfate 6-O-sulfotransferase 2	-0.280461	Inlier
siRNA-Vinblastine Run2-DMSO	NM_147175	HS6ST2	heparan sulfate 6-O-sulfotransferase 2	0.28046	Inlier
siRNA-Temozolomide Run3-DMSO	NM_147175	HS6ST2	heparan sulfate 6-O-sulfotransferase 2	0.566528	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_1471 75	HS6ST2	heparan sulfate 6-O-sulfotransferase 2	0.785076	Inlier
siRNA Disorazole DMSO Run2	NM_1471 75	HS6ST2	heparan sulfate 6-O-sulfotransferase 2	1.303762	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1534 56	HS6ST3	heparan sulfate 6-O-sulfotransferase 3	-1.307833	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1534 56	HS6ST3	heparan sulfate 6-O-sulfotransferase 3	-0.805431	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1534 56	HS6ST3	heparan sulfate 6-O-sulfotransferase 3	-0.543569	Inlier
siRNA Disorazole DMSO Run1	NM_1534 56	HS6ST3	heparan sulfate 6-O-sulfotransferase 3	-0.24226	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1534 56	HS6ST3	heparan sulfate 6-O-sulfotransferase 3	0.24226	Inlier
siRNA Disorazole DMSO Run3	NM_1534 56	HS6ST3	heparan sulfate 6-O-sulfotransferase 3	0.392219	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1534 56	HS6ST3	heparan sulfate 6-O-sulfotransferase 3	1.747949	Inlier
siRNA Disorazole DMSO Run2	NM_1534 56	HS6ST3	heparan sulfate 6-O-sulfotransferase 3	2.146038	Inlier
siRNA Disorazole DMSO Run3	NM_0144 73	HSA9761	HSA9761	-1.334694	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_0144				
siRNA Disorazole DMSO Run1	73	HSA9761	HSA9761	-0.588057	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0144 73	HSA9761	HSA9761	-0.55835	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0144 73	HSA9761	HSA9761	-0.55729	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0144 73	HSA9761	HSA9761	0.557289	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0144 73	HSA9761	HSA9761	0.760943	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0144 73	HSA9761	HSA9761	6.270607	Outlier
siRNA Disorazole DMSO Run2	NM_0144 73	HSA9761	HSA9761	8.026018	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0220 89	HSA9947	ATPase type 13A2	-1.517605	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0220 89	HSA9947	ATPase type 13A2	-0.87976	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0220 89	HSA9947	ATPase type 13A2	-0.46924	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0220 89	HSA9947	ATPase type 13A2	-0.106537	Inlier
siRNA Disorazole DMSO Run3	NM_0220 89	HSA9947	ATPase type 13A2	0.106537	Inlier
siRNA Disorazole DMSO Run1	NM_0220 89	HSA9947	ATPase type 13A2	0.316103	Inlier
siRNA Disorazole DMSO Run2	NM_0220 89	HSA9947	ATPase type 13A2	1.072358	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0220 89	HSA9947	ATPase type 13A2	1.433779	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0055 25	HSD11B1	hydroxyste roid (11- beta) dehydroge nase 1	-1.385226	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0055 25	HSD11B1	hydroxyste roid (11- beta) dehydroge nase 1	-1.1964	Inlier
siRNA Disorazole DMSO Run1	NM_0055 25	HSD11B1	hydroxyste roid (11- beta) dehydroge nase 1	-0.560295	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0055 25	HSD11B1	hydroxyste roid (11- beta) dehydroge nase 1	-0.21914	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0055 25	HSD11B1	hydroxysteroid (11-beta) dehydrogenase 1	0.21914	Inlier
siRNA Disorazole DMSO Run2	NM_0055 25	HSD11B1	hydroxysteroid (11-beta) dehydrogenase 1	0.572422	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0055 25	HSD11B1	hydroxysteroid (11-beta) dehydrogenase 1	0.776578	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0055 25	HSD11B1	hydroxysteroid (11-beta) dehydrogenase 1	1.066888	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0001 96	HSD11B2	hydroxysteroid (11-beta) dehydrogenase 2	-1.658616	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0001 96	HSD11B2	hydroxysteroid (11-beta) dehydrogenase 2	-1.372422	Inlier
siRNA Disorazole DMSO Run1	NM_0001 96	HSD11B2	hydroxysteroid (11-beta) dehydrogenase 2	-0.218329	Inlier
siRNA Disorazole DMSO Run3	NM_0001 96	HSD11B2	hydroxysteroid (11-beta) dehydrogenase 2	-0.029877	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0001 96	HSD11B2	hydroxysteroid (11-beta) dehydrogenase 2	0.029877	Inlier
siRNA Disorazole DMSO Run2	NM_0001 96	HSD11B2	hydroxysteroid (11-beta) dehydrogenase 2	0.211015	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_000196	HSD11B2	hydroxysteroid (11-beta) dehydrogenase 2	1.13067	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000196	HSD11B2	hydroxysteroid (11-beta) dehydrogenase 2	1.205835	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000413	HSD17B1	hydroxysteroid (17-beta) dehydrogenase 1	-1.332376	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000413	HSD17B1	hydroxysteroid (17-beta) dehydrogenase 1	-1.056129	Inlier
siRNA Disorazole DMSO Run1	NM_000413	HSD17B1	hydroxysteroid (17-beta) dehydrogenase 1	-0.731753	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000413	HSD17B1	hydroxysteroid (17-beta) dehydrogenase 1	-0.055719	Inlier
siRNA Disorazole DMSO Run3	NM_000413	HSD17B1	hydroxysteroid (17-beta) dehydrogenase 1	0.055719	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000413	HSD17B1	hydroxysteroid (17-beta) dehydrogenase 1	0.151493	Inlier
siRNA Disorazole DMSO Run2	NM_000413	HSD17B1	hydroxysteroid (17-beta) dehydrogenase 1	0.617247	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000413	HSD17B1	hydroxysteroid (17-beta) dehydrogenase 1	0.793164	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Enzyme	Value	Outlier Status
siRNA Disorazole DMSO Run3	NM_0161 42	HSD17B1 2	hydroxysteroid (17-beta) dehydrogenase 12	-1.766488	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0161 42	HSD17B1 2	hydroxysteroid (17-beta) dehydrogenase 12	-0.691401	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0161 42	HSD17B1 2	hydroxysteroid (17-beta) dehydrogenase 12	-0.164655	Inlier
siRNA Disorazole DMSO Run1	NM_0161 42	HSD17B1 2	hydroxysteroid (17-beta) dehydrogenase 12	-0.037924	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0161 42	HSD17B1 2	hydroxysteroid (17-beta) dehydrogenase 12	0.037925	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0161 42	HSD17B1 2	hydroxysteroid (17-beta) dehydrogenase 12	0.657599	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0161 42	HSD17B1 2	hydroxysteroid (17-beta) dehydrogenase 12	1.909315	Inlier
siRNA Disorazole DMSO Run2	NM_0161 42	HSD17B1 2	hydroxysteroid (17-beta) dehydrogenase 12	2.268849	Inlier
siRNA Disorazole DMSO Run3	NM_0021 53	HSD17B2	hydroxysteroid (17-beta) dehydrogenase 2	-0.966954	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0021 53	HSD17B2	hydroxysteroid (17-beta) dehydrogenase 2	-0.692461	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Condition	Run	Gene ID	Gene Name	Value	Outlier
siRNA Disorazole	DMSO	Run2	NM_0021 53	HSD17B2 hydroxysteroid (17-beta) dehydrogenase 2	-0.656539	Inlier
siRNA-Temozolomide	Run3-DMSO		NM_0021 53	HSD17B2 hydroxysteroid (17-beta) dehydrogenase 2	-0.610555	Inlier
siRNA Disorazole	DMSO	Run1	NM_0021 53	HSD17B2 hydroxysteroid (17-beta) dehydrogenase 2	0.610555	Inlier
siRNA-Temozolomide	Run1-DMSO		NM_0021 53	HSD17B2 hydroxysteroid (17-beta) dehydrogenase 2	0.619385	Inlier
siRNA-Vinblastine	Run2-DMSO		NM_0021 53	HSD17B2 hydroxysteroid (17-beta) dehydrogenase 2	1.305707	Inlier
siRNA-Vinblastine	Run1-DMSO		NM_0021 53	HSD17B2 hydroxysteroid (17-beta) dehydrogenase 2	1.991449	Inlier
siRNA-Temozolomide	Run3-DMSO		NM_0001 97	HSD17B3 hydroxysteroid (17-beta) dehydrogenase 3	-1.146177	Inlier
siRNA-Temozolomide	Run2-DMSO		NM_0001 97	HSD17B3 hydroxysteroid (17-beta) dehydrogenase 3	-0.947785	Inlier
siRNA Disorazole	DMSO	Run3	NM_0001 97	HSD17B3 hydroxysteroid (17-beta) dehydrogenase 3	-0.401215	Inlier
siRNA Disorazole	DMSO	Run2	NM_0001 97	HSD17B3 hydroxysteroid (17-beta) dehydrogenase 3	-0.049232	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_000197	HSD17B3	hydroxysteroid (17-beta) dehydrogenase 3	0.049232	Inlier
siRNA Disorazole DMSO Run1	NM_000197	HSD17B3	hydroxysteroid (17-beta) dehydrogenase 3	0.37749	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000197	HSD17B3	hydroxysteroid (17-beta) dehydrogenase 3	2.524269	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000197	HSD17B3	hydroxysteroid (17-beta) dehydrogenase 3	3.431477	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000414	HSD17B4	hydroxysteroid (17-beta) dehydrogenase 4	-1.712476	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000414	HSD17B4	hydroxysteroid (17-beta) dehydrogenase 4	-1.231694	Inlier
siRNA Disorazole DMSO Run3	NM_000414	HSD17B4	hydroxysteroid (17-beta) dehydrogenase 4	-1.043149	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000414	HSD17B4	hydroxysteroid (17-beta) dehydrogenase 4	-0.055663	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000414	HSD17B4	hydroxysteroid (17-beta) dehydrogenase 4	0.055664	Inlier
siRNA Disorazole DMSO Run2	NM_000414	HSD17B4	hydroxysteroid (17-beta) dehydrogenase 4	0.114549	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Enzyme	Value	Outlier Status
siRNA Disorazole DMSO Run1	NM_0004 14	HSD17B4	hydroxysteroid (17-beta) dehydrogenase 4	0.30585	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0004 14	HSD17B4	hydroxysteroid (17-beta) dehydrogenase 4	1.276299	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0163 71	HSD17B7	hydroxysteroid (17-beta) dehydrogenase 7	-0.696807	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0163 71	HSD17B7	hydroxysteroid (17-beta) dehydrogenase 7	-0.652193	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0163 71	HSD17B7	hydroxysteroid (17-beta) dehydrogenase 7	-0.550324	Inlier
siRNA Disorazole DMSO Run3	NM_0163 71	HSD17B7	hydroxysteroid (17-beta) dehydrogenase 7	-0.043245	Inlier
siRNA Disorazole DMSO Run2	NM_0163 71	HSD17B7	hydroxysteroid (17-beta) dehydrogenase 7	0.043245	Inlier
siRNA Disorazole DMSO Run1	NM_0163 71	HSD17B7	hydroxysteroid (17-beta) dehydrogenase 7	0.749384	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0163 71	HSD17B7	hydroxysteroid (17-beta) dehydrogenase 7	1.908606	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0163 71	HSD17B7	hydroxysteroid (17-beta) dehydrogenase 7	2.980184	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0142 34	HSD17B8	hydroxysteroid (17-beta) dehydrogenase 8	-0.874902	Inlier
siRNA Disorazole DMSO Run1	NM_0142 34	HSD17B8	hydroxysteroid (17-beta) dehydrogenase 8	-0.474098	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0142 34	HSD17B8	hydroxysteroid (17-beta) dehydrogenase 8	-0.275738	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0142 34	HSD17B8	hydroxysteroid (17-beta) dehydrogenase 8	-0.225219	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0142 34	HSD17B8	hydroxysteroid (17-beta) dehydrogenase 8	0.225219	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0142 34	HSD17B8	hydroxysteroid (17-beta) dehydrogenase 8	0.966724	Inlier
siRNA Disorazole DMSO Run3	NM_0142 34	HSD17B8	hydroxysteroid (17-beta) dehydrogenase 8	1.249898	Inlier
siRNA Disorazole DMSO Run2	NM_0142 34	HSD17B8	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-	1.711692	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0008 62	HSD3B1	isomerase 1	-0.904283	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_000862	HSD3B1	1	-0.773149	Inlier
			hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase		
siRNA Disorazole DMSO Run2	NM_000862	HSD3B1	1	-0.575851	Inlier
			hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase		
siRNA Disorazole DMSO Run3	NM_000862	HSD3B1	1	-0.16384	Inlier
			hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase		
siRNA Disorazole DMSO Run1	NM_000862	HSD3B1	1	0.163839	Inlier
			hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase		
siRNA-Temozolomide Run1-DMSO	NM_000862	HSD3B1	1	0.324907	Inlier
			hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase		

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_000862	HSD3B1	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 1	1.575111	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000862	HSD3B1	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 1	1.602871	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000198	HSD3B2	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 2	-0.892139	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000198	HSD3B2	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 2	-0.865621	Inlier
siRNA Disorazole DMSO Run2	NM_000198	HSD3B2	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 2	-0.255167	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0001 98	HSD3B2	2	-0.098182	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0001 98	HSD3B2	2	0.098183	Inlier
siRNA Disorazole DMSO Run3	NM_0001 98	HSD3B2	2	0.483379	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0001 98	HSD3B2	2	1.024486	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0001 98	HSD3B2	2	1.192966	Inlier

hydroxy-
delta-5-
steroid
dehydroge
nase, 3
beta- and
steroid
delta-
isomerase

hydroxy-
delta-5-
steroid
dehydroge
nase, 3
beta- and
steroid
delta-
isomerase

hydroxy-
delta-5-
steroid
dehydroge
nase, 3
beta- and
steroid
delta-
isomerase

hydroxy-
delta-5-
steroid
dehydroge
nase, 3
beta- and
steroid
delta-
isomerase

hydroxy-
delta-5-
steroid
dehydroge
nase, 3
beta- and
steroid
delta-
isomerase

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_025193	HSD3B7	7	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase	-3.427177	Inlier
siRNA-Temozolomide Run3-DMSO	NM_025193	HSD3B7	7	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase	-2.352351	Inlier
siRNA Disorazole DMSO Run3	NM_025193	HSD3B7	7	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase	-0.320739	Inlier
siRNA-Temozolomide Run1-DMSO	NM_025193	HSD3B7	7	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase	-0.11415	Inlier
siRNA Disorazole DMSO Run2	NM_025193	HSD3B7	7	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase	0.11415	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0251 93	HSD3B7	7	hydroxy- delta-5- steroid dehydroge nase, 3 beta- and steroid delta- isomerase	0.220354	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0251 93	HSD3B7	7	hydroxy- delta-5- steroid dehydroge nase, 3 beta- and steroid delta- isomerase	1.028261	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0251 93	HSD3B7	7	hydroxy- delta-5- steroid dehydroge nase, 3 beta- and steroid delta- isomerase	1.543466	Inlier
siRNA Disorazole DMSO Run2	NM_0143 65	HSPB8	8	heat shock 22kDa protein 8	-0.882181	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0143 65	HSPB8	8	heat shock 22kDa protein 8	-0.788403	Inlier
siRNA Disorazole DMSO Run3	NM_0143 65	HSPB8	8	heat shock 22kDa protein 8	-0.595316	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0143 65	HSPB8	8	heat shock 22kDa protein 8	-0.172234	Inlier
siRNA Disorazole DMSO Run1	NM_0143 65	HSPB8	8	heat shock 22kDa protein 8	0.172234	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0143 65	HSPB8	heat shock 22kDa protein 8	0.303885	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0143 65	HSPB8	heat shock 22kDa protein 8	0.753684	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0143 65	HSPB8	heat shock 22kDa protein 8	0.936273	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0133 87	HSPC051	HSPC051	-0.755691	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0133 87	HSPC051	HSPC051	-0.617814	Inlier
siRNA Disorazole DMSO Run3	NM_0133 87	HSPC051	HSPC051	-0.169215	Inlier
siRNA Disorazole DMSO Run1	NM_0133 87	HSPC051	HSPC051	-0.093375	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0133 87	HSPC051	HSPC051	0.093375	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0133 87	HSPC051	HSPC051	0.731186	Inlier
siRNA Disorazole DMSO Run2	NM_0133 87	HSPC051	HSPC051	2.198267	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0133 87	HSPC051	HSPC051	2.592547	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1451 68	HSPC105	HSPC105	-1.417081	Inlier
siRNA Disorazole DMSO Run1	NM_1451 68	HSPC105	HSPC105	-0.921514	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1451 68	HSPC105	HSPC105	-0.688564	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1451 68	HSPC105	HSPC105	-0.048692	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1451 68	HSPC105	HSPC105	0.048692	Inlier
siRNA Disorazole DMSO Run3	NM_1451 68	HSPC105	HSPC105	0.448827	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1451 68	HSPC105	HSPC105	0.660436	Inlier
siRNA Disorazole DMSO Run2	NM_1451 68	HSPC105	HSPC105	1.043423	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0141 68	HSPC133	methyltran sferase like 5	-1.788054	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0141 68	HSPC133	methyltran sferase like 5	-0.68611	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

	NM_0141		methyltran sferase	
siRNA Disorazole DMSO Run1	68	HSPC133	like 5	-0.66289 Inlier
	NM_0141		methyltran sferase	
siRNA-Vinblastine Run2- DMSO	68	HSPC133	like 5	-0.054976 Inlier
	NM_0141		methyltran sferase	
siRNA Disorazole DMSO Run3	68	HSPC133	like 5	0.054976 Inlier
	NM_0141		methyltran sferase	
siRNA-Temozolomide Run1- DMSO	68	HSPC133	like 5	0.504184 Inlier
	NM_0141		methyltran sferase	
siRNA Disorazole DMSO Run2	68	HSPC133	like 5	1.291264 Inlier
	NM_0141		methyltran sferase	
siRNA-Vinblastine Run1- DMSO	68	HSPC133	like 5	1.502503 Inlier
	NM_0141		ubiquitin- conjugatin g enzyme E2T	
siRNA-Temozolomide Run3- DMSO	76	HSPC150	(putative)	-0.729828 Inlier
	NM_0141		ubiquitin- conjugatin g enzyme E2T	
siRNA Disorazole DMSO Run3	76	HSPC150	(putative)	-0.619172 Inlier
	NM_0141		ubiquitin- conjugatin g enzyme E2T	
siRNA-Vinblastine Run2- DMSO	76	HSPC150	(putative)	-0.501429 Inlier
	NM_0141		ubiquitin- conjugatin g enzyme E2T	
siRNA-Temozolomide Run2- DMSO	76	HSPC150	(putative)	-0.313448 Inlier
	NM_0141		ubiquitin- conjugatin g enzyme E2T	
siRNA Disorazole DMSO Run1	76	HSPC150	(putative)	0.313449 Inlier
	NM_0141		ubiquitin- conjugatin g enzyme E2T	
siRNA-Temozolomide Run1- DMSO	76	HSPC150	(putative)	3.16113 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0141 76	HSPC150	ubiquitin- conjugatin g enzyme E2T (putative)	8.130071	Outlier
siRNA-Vinblastine Run1- DMSO	NM_0141 76	HSPC150	ubiquitin- conjugatin g enzyme E2T (putative)	9.165037	Outlier
siRNA-Vinblastine Run2- DMSO	NM_0073 55	HSPCB	heat shock 90kDa protein 1, beta	-0.940545	Inlier
siRNA Disorazole DMSO Run3	NM_0073 55	HSPCB	heat shock 90kDa protein 1, beta	-0.697565	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0073 55	HSPCB	heat shock 90kDa protein 1, beta	-0.651435	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0073 55	HSPCB	heat shock 90kDa protein 1, beta	-0.260577	Inlier
siRNA Disorazole DMSO Run1	NM_0073 55	HSPCB	heat shock 90kDa protein 1, beta	0.260577	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0073 55	HSPCB	heat shock 90kDa protein 1, beta	0.435622	Inlier
siRNA Disorazole DMSO Run2	NM_0073 55	HSPCB	heat shock 90kDa protein 1, beta	1.713497	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0073 55	HSPCB	heat shock 90kDa protein 1, beta	1.989304	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_2027 58	HSRTSBE TA	enolase superfamil y member 1	-1.420669	Inlier
siRNA Disorazole DMSO Run3	NM_2027 58	HSRTSBE TA	enolase superfamil y member 1	-0.864208	Inlier
siRNA-Vinblastine Run2-DMSO	NM_2027 58	HSRTSBE TA	enolase superfamil y member 1	-0.481286	Inlier
siRNA Disorazole DMSO Run1	NM_2027 58	HSRTSBE TA	enolase superfamil y member 1	-0.228294	Inlier
siRNA-Temozolomide Run1-DMSO	NM_2027 58	HSRTSBE TA	enolase superfamil y member 1	0.228294	Inlier
siRNA-Temozolomide Run2-DMSO	NM_2027 58	HSRTSBE TA	enolase superfamil y member 1	0.484792	Inlier
siRNA-Vinblastine Run1-DMSO	NM_2027 58	HSRTSBE TA	enolase superfamil y member 1	1.466117	Inlier
siRNA Disorazole DMSO Run2	NM_2027 58	HSRTSBE TA	enolase superfamil y member 1	2.709108	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1814 29	hT2R55	hT2R55	-2.418686	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1814 29	hT2R55	hT2R55	-0.835783	Inlier
siRNA Disorazole DMSO Run3	NM_1814 29	hT2R55	hT2R55	-0.410149	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1814 29	hT2R55	hT2R55	-0.141915	Inlier
siRNA Disorazole DMSO Run2	NM_1814 29	hT2R55	hT2R55	0.141915	Inlier
siRNA Disorazole DMSO Run1	NM_1814 29	hT2R55	hT2R55	0.513217	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1814 29	hT2R55	hT2R55	1.127888	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1814 29	hT2R55	hT2R55	1.554782	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0227 27	HTF9C	HTF9C	-0.800517	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0227 27	HTF9C	HTF9C	-0.548483	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_0227				
siRNA Disorazole DMSO Run1	27	HTF9C	HTF9C	-0.465688	Inlier
	NM_0227				
siRNA Disorazole DMSO Run3	27	HTF9C	HTF9C	-0.123594	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0227				
	27	HTF9C	HTF9C	0.123594	Inlier
	NM_0227				
siRNA Disorazole DMSO Run2	27	HTF9C	HTF9C	1.361466	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0227				
	27	HTF9C	HTF9C	1.528423	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0227				
	27	HTF9C	HTF9C	4.540172	Outlier
			5-hydroxytryptamine (serotonin) receptor		
siRNA-Temozolomide Run3-DMSO	NM_0005				
	24	HTR1A	1A	-0.919846	Inlier
			5-hydroxytryptamine (serotonin) receptor		
siRNA-Temozolomide Run1-DMSO	NM_0005				
	24	HTR1A	1A	-0.864301	Inlier
			5-hydroxytryptamine (serotonin) receptor		
siRNA Disorazole DMSO Run1	NM_0005				
	24	HTR1A	1A	-0.514563	Inlier
			5-hydroxytryptamine (serotonin) receptor		
siRNA-Vinblastine Run2-DMSO	NM_0005				
	24	HTR1A	1A	-0.099417	Inlier
			5-hydroxytryptamine (serotonin) receptor		
siRNA-Temozolomide Run2-DMSO	NM_0005				
	24	HTR1A	1A	0.099417	Inlier
			5-hydroxytryptamine (serotonin) receptor		
siRNA-Vinblastine Run1-DMSO	NM_0005				
	24	HTR1A	1A	0.604169	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0005 24	HTR1A	5- hydroxytry ptamine (serotonin) receptor 1A	0.744831	Inlier
siRNA Disorazole DMSO Run2	NM_0005 24	HTR1A	5- hydroxytry ptamine (serotonin) receptor 1A	0.987757	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0008 63	HTR1B	5- hydroxytry ptamine (serotonin) receptor 1B	-2.220438	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0008 63	HTR1B	5- hydroxytry ptamine (serotonin) receptor 1B	-1.342569	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0008 63	HTR1B	5- hydroxytry ptamine (serotonin) receptor 1B	-1.151745	Inlier
siRNA Disorazole DMSO Run1	NM_0008 63	HTR1B	5- hydroxytry ptamine (serotonin) receptor 1B	-0.229529	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0008 63	HTR1B	5- hydroxytry ptamine (serotonin) receptor 1B	0.229529	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0008 63	HTR1B	5- hydroxytry ptamine (serotonin) receptor 1B	0.266314	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Drug	Run	Gene	Accession	Gene	Gene	Value	Outlier
siRNA Disorazole DMSO Run3	DMSO	63	NM_0008	HTR1B	5-hydroxytryptamine (serotonin) receptor 1B	1B	0.531548	Inlier
siRNA Disorazole DMSO Run2	DMSO	63	NM_0008	HTR1B	5-hydroxytryptamine (serotonin) receptor 1B	1B	0.817452	Inlier
siRNA-Temozolomide DMSO Run3	DMSO	64	NM_0008	HTR1D	5-hydroxytryptamine (serotonin) receptor 1D	1D	-2.723969	Inlier
siRNA Disorazole DMSO Run1	DMSO	64	NM_0008	HTR1D	5-hydroxytryptamine (serotonin) receptor 1D	1D	-0.378088	Inlier
siRNA Disorazole DMSO Run2	DMSO	64	NM_0008	HTR1D	5-hydroxytryptamine (serotonin) receptor 1D	1D	-0.269985	Inlier
siRNA-Temozolomide DMSO Run2	DMSO	64	NM_0008	HTR1D	5-hydroxytryptamine (serotonin) receptor 1D	1D	-0.021348	Inlier
siRNA-Temozolomide DMSO Run1	DMSO	64	NM_0008	HTR1D	5-hydroxytryptamine (serotonin) receptor 1D	1D	0.021349	Inlier
siRNA-Vinblastine DMSO Run2	DMSO	64	NM_0008	HTR1D	5-hydroxytryptamine (serotonin) receptor 1D	1D	0.970912	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0008 64	HTR1D	5-hydroxytryptamine (serotonin) receptor 1D	1.719825	Inlier
siRNA Disorazole DMSO Run3	NM_0008 64	HTR1D	5-hydroxytryptamine (serotonin) receptor 1D	1.791891	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0008 65	HTR1E	5-hydroxytryptamine (serotonin) receptor 1E	-1.197329	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0008 65	HTR1E	5-hydroxytryptamine (serotonin) receptor 1E	-1.122454	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0008 65	HTR1E	5-hydroxytryptamine (serotonin) receptor 1E	-0.604854	Inlier
siRNA Disorazole DMSO Run1	NM_0008 65	HTR1E	5-hydroxytryptamine (serotonin) receptor 1E	-0.400197	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0008 65	HTR1E	5-hydroxytryptamine (serotonin) receptor 1E	0.400198	Inlier
siRNA Disorazole DMSO Run2	NM_0008 65	HTR1E	5-hydroxytryptamine (serotonin) receptor 1E	0.48326	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Probe	Value	Outlier Status
siRNA-Vinblastine Run1-DMSO	NM_000865	HTR1E	5-hydroxytryptamine (serotonin) receptor 1E	0.744146	Inlier
siRNA Disorazole DMSO Run3	NM_000865	HTR1E	5-hydroxytryptamine (serotonin) receptor 1E	1.510775	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000866	HTR1F	5-hydroxytryptamine (serotonin) receptor 1F	-1.447711	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000866	HTR1F	5-hydroxytryptamine (serotonin) receptor 1F	-0.876802	Inlier
siRNA Disorazole DMSO Run2	NM_000866	HTR1F	5-hydroxytryptamine (serotonin) receptor 1F	-0.554378	Inlier
siRNA Disorazole DMSO Run1	NM_000866	HTR1F	5-hydroxytryptamine (serotonin) receptor 1F	-0.124647	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000866	HTR1F	5-hydroxytryptamine (serotonin) receptor 1F	0.124647	Inlier
siRNA Disorazole DMSO Run3	NM_000866	HTR1F	5-hydroxytryptamine (serotonin) receptor 1F	0.628026	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_000866	HTR1F	5-hydroxytryptamine (serotonin) receptor 1F	0.720974	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000866	HTR1F	5-hydroxytryptamine (serotonin) receptor 1F	0.949666	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000621	HTR2A	5-hydroxytryptamine (serotonin) receptor 2A	-1.009773	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000621	HTR2A	5-hydroxytryptamine (serotonin) receptor 2A	-0.840973	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000621	HTR2A	5-hydroxytryptamine (serotonin) receptor 2A	-0.251253	Inlier
siRNA Disorazole DMSO Run1	NM_000621	HTR2A	5-hydroxytryptamine (serotonin) receptor 2A	-0.08291	Inlier
siRNA Disorazole DMSO Run2	NM_000621	HTR2A	5-hydroxytryptamine (serotonin) receptor 2A	0.08291	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000621	HTR2A	5-hydroxytryptamine (serotonin) receptor 2A	0.579301	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Gene ID	Receptor	Value	Outlier
siRNA-Vinblastine Run1-DMSO	NM_000621	HTR2A	5-hydroxytryptamine (serotonin) receptor 2A	0.769699	Inlier
siRNA Disorazole DMSO Run3	NM_000621	HTR2A	5-hydroxytryptamine (serotonin) receptor 2A	0.897825	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000867	HTR2B	5-hydroxytryptamine (serotonin) receptor 2B	-0.956075	Inlier
siRNA Disorazole DMSO Run2	NM_000867	HTR2B	5-hydroxytryptamine (serotonin) receptor 2B	-0.89048	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000867	HTR2B	5-hydroxytryptamine (serotonin) receptor 2B	-0.113141	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000867	HTR2B	5-hydroxytryptamine (serotonin) receptor 2B	-0.084673	Inlier
siRNA Disorazole DMSO Run3	NM_000867	HTR2B	5-hydroxytryptamine (serotonin) receptor 2B	0.084673	Inlier
siRNA Disorazole DMSO Run1	NM_000867	HTR2B	5-hydroxytryptamine (serotonin) receptor 2B	0.465115	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_000867	HTR2B	5-hydroxytryptamine (serotonin) receptor 2B	0.883884	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000867	HTR2B	5-hydroxytryptamine (serotonin) receptor 2B	0.940005	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000868	HTR2C	5-hydroxytryptamine (serotonin) receptor 2C	-2.673818	Inlier
siRNA Disorazole DMSO Run2	NM_000868	HTR2C	5-hydroxytryptamine (serotonin) receptor 2C	-0.952351	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000868	HTR2C	5-hydroxytryptamine (serotonin) receptor 2C	-0.36754	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000868	HTR2C	5-hydroxytryptamine (serotonin) receptor 2C	-0.22689	Inlier
siRNA Disorazole DMSO Run1	NM_000868	HTR2C	5-hydroxytryptamine (serotonin) receptor 2C	0.22689	Inlier
siRNA Disorazole DMSO Run3	NM_000868	HTR2C	5-hydroxytryptamine (serotonin) receptor 2C	0.396649	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_000868	HTR2C	5-hydroxytryptamine (serotonin) receptor 2C	1.549126	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000868	HTR2C	5-hydroxytryptamine (serotonin) receptor 2C	2.064102	Inlier
siRNA-Temozolomide Run3-DMSO	NM_213621	HTR3A	5-hydroxytryptamine (serotonin) receptor 3A	-1.272575	Inlier
siRNA Disorazole DMSO Run2	NM_213621	HTR3A	5-hydroxytryptamine (serotonin) receptor 3A	-0.696273	Inlier
siRNA-Temozolomide Run2-DMSO	NM_213621	HTR3A	5-hydroxytryptamine (serotonin) receptor 3A	-0.443955	Inlier
siRNA-Temozolomide Run1-DMSO	NM_213621	HTR3A	5-hydroxytryptamine (serotonin) receptor 3A	-0.176078	Inlier
siRNA Disorazole DMSO Run1	NM_213621	HTR3A	5-hydroxytryptamine (serotonin) receptor 3A	0.176078	Inlier
siRNA-Vinblastine Run1-DMSO	NM_213621	HTR3A	5-hydroxytryptamine (serotonin) receptor 3A	0.665091	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Condition	Run	Gene	Accession	Probe	Value	Outlier
siRNA Disorazole	DMSO	Run3	HTR3A	NM_2136	3A	0.683909	Inlier
siRNA-Vinblastine	Run2-DMSO		HTR3A	NM_2136	3A	0.826144	Inlier
siRNA-Temozolomide	Run3-DMSO		HTR3B	NM_0060	3B	-1.848705	Inlier
siRNA Disorazole	DMSO	Run2	HTR3B	NM_0060	3B	-1.280982	Inlier
siRNA Disorazole	DMSO	Run3	HTR3B	NM_0060	3B	-0.622664	Inlier
siRNA-Temozolomide	Run2-DMSO		HTR3B	NM_0060	3B	-0.107249	Inlier
siRNA-Temozolomide	Run1-DMSO		HTR3B	NM_0060	3B	0.107249	Inlier
siRNA Disorazole	DMSO	Run1	HTR3B	NM_0060	3B	0.329509	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_006028	HTR3B	5-hydroxytryptamine (serotonin) receptor 3B	0.726336	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006028	HTR3B	5-hydroxytryptamine (serotonin) receptor 3B	0.749209	Inlier
siRNA Disorazole DMSO Run2	NM_130770	HTR3C	5-hydroxytryptamine (serotonin) receptor 3, family member C	-1.1576	Inlier
siRNA-Temozolomide Run2-DMSO	NM_130770	HTR3C	5-hydroxytryptamine (serotonin) receptor 3, family member C	-0.931283	Inlier
siRNA Disorazole DMSO Run3	NM_130770	HTR3C	5-hydroxytryptamine (serotonin) receptor 3, family member C	-0.799216	Inlier
siRNA-Temozolomide Run3-DMSO	NM_130770	HTR3C	5-hydroxytryptamine (serotonin) receptor 3, family member C	-0.065547	Inlier
siRNA Disorazole DMSO Run1	NM_130770	HTR3C	5-hydroxytryptamine (serotonin) receptor 3, family member C	0.065547	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_130770	HTR3C	5-hydroxytryptamine (serotonin) receptor 3, family member C	0.510627	Inlier
siRNA-Temozolomide Run1-DMSO	NM_130770	HTR3C	5-hydroxytryptamine (serotonin) receptor 3, family member C	0.549784	Inlier
siRNA-Vinblastine Run2-DMSO	NM_130770	HTR3C	5-hydroxytryptamine (serotonin) receptor 3, family member C	0.874742	Inlier
siRNA-Temozolomide Run3-DMSO	NM_182537	HTR3D	5-hydroxytryptamine (serotonin) receptor 3 family member D	-1.069417	Inlier
siRNA-Temozolomide Run2-DMSO	NM_182537	HTR3D	5-hydroxytryptamine (serotonin) receptor 3 family member D	-0.960961	Inlier
siRNA Disorazole DMSO Run2	NM_182537	HTR3D	5-hydroxytryptamine (serotonin) receptor 3 family member D	-0.388039	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_1825 37	HTR3D	5-hydroxytryptamine (serotonin) receptor 3 family member D	-0.167342	Inlier
siRNA Disorazole DMSO Run3	NM_1825 37	HTR3D	5-hydroxytryptamine (serotonin) receptor 3 family member D	0.167343	Inlier
siRNA Disorazole DMSO Run1	NM_1825 37	HTR3D	5-hydroxytryptamine (serotonin) receptor 3 family member D	0.312704	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1825 37	HTR3D	5-hydroxytryptamine (serotonin) receptor 3 family member D	1.39801	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1825 37	HTR3D	5-hydroxytryptamine (serotonin) receptor 3 family member D	1.735717	Inlier
siRNA Disorazole DMSO Run2	NM_1983 13	HTR3E	5-hydroxytryptamine (serotonin) receptor 3, family member E	-1.719786	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_1983 13	HTR3E	5-hydroxytryptamine (serotonin) receptor 3, family member E	-1.056654	Inlier
siRNA Disorazole DMSO Run1	NM_1983 13	HTR3E	5-hydroxytryptamine (serotonin) receptor 3, family member E	-0.87224	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1983 13	HTR3E	5-hydroxytryptamine (serotonin) receptor 3, family member E	-0.217327	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1983 13	HTR3E	5-hydroxytryptamine (serotonin) receptor 3, family member E	0.217328	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1983 13	HTR3E	5-hydroxytryptamine (serotonin) receptor 3, family member E	0.282827	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1983 13	HTR3E	5-hydroxytryptamine (serotonin) receptor 3, family member E	0.47676	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_1983 13	HTR3E	5- hydroxytry ptamine (serotonin) receptor 3, family member E	2.26068	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0008 70	HTR4	5- hydroxytry ptamine (serotonin) receptor 4	-3.760412	Outlier
siRNA Disorazole DMSO Run2	NM_0008 70	HTR4	5- hydroxytry ptamine (serotonin) receptor 4	-0.699397	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0008 70	HTR4	5- hydroxytry ptamine (serotonin) receptor 4	-0.649603	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0008 70	HTR4	5- hydroxytry ptamine (serotonin) receptor 4	-0.22497	Inlier
siRNA Disorazole DMSO Run1	NM_0008 70	HTR4	5- hydroxytry ptamine (serotonin) receptor 4	0.224969	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0008 70	HTR4	5- hydroxytry ptamine (serotonin) receptor 4	0.569712	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0008 70	HTR4	5- hydroxytry ptamine (serotonin) receptor 4	1.074115	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0008 70	HTR4	5- hydroxytry ptamine (serotonin) receptor 4	2.041296	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0240 12	HTR5A	5- hydroxytry ptamine (serotonin) receptor 5A	-2.088867	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0240 12	HTR5A	5- hydroxytry ptamine (serotonin) receptor 5A	-1.272234	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0240 12	HTR5A	5- hydroxytry ptamine (serotonin) receptor 5A	-0.48052	Inlier
siRNA Disorazole DMSO Run2	NM_0240 12	HTR5A	5- hydroxytry ptamine (serotonin) receptor 5A	-0.0636	Inlier
siRNA Disorazole DMSO Run3	NM_0240 12	HTR5A	5- hydroxytry ptamine (serotonin) receptor 5A	0.0636	Inlier
siRNA Disorazole DMSO Run1	NM_0240 12	HTR5A	5- hydroxytry ptamine (serotonin) receptor 5A	0.176534	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0240 12	HTR5A	5- hydroxytry ptamine (serotonin) receptor 5A	0.86848	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0240 12	HTR5A	5-hydroxytryptamine (serotonin) receptor 5A	1.054367	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0008 71	HTR6	5-hydroxytryptamine (serotonin) receptor 6	-1.233274	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0008 71	HTR6	5-hydroxytryptamine (serotonin) receptor 6	-0.712157	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0008 71	HTR6	5-hydroxytryptamine (serotonin) receptor 6	-0.402432	Inlier
siRNA Disorazole DMSO Run1	NM_0008 71	HTR6	5-hydroxytryptamine (serotonin) receptor 6	-0.116207	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0008 71	HTR6	5-hydroxytryptamine (serotonin) receptor 6	0.116207	Inlier
siRNA Disorazole DMSO Run3	NM_0008 71	HTR6	5-hydroxytryptamine (serotonin) receptor 6	0.636843	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0008 71	HTR6	5-hydroxytryptamine (serotonin) receptor 6	1.599462	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0008 71	HTR6	5- hydroxytry ptamine (serotonin) receptor 6	1.719594 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0198 60	HTR7	5- hydroxytry ptamine (serotonin) receptor 7 (adenylate cyclase- coupled)	-1.170531 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0198 60	HTR7	5- hydroxytry ptamine (serotonin) receptor 7 (adenylate cyclase- coupled)	-0.690974 Inlier
siRNA Disorazole DMSO Run2	NM_0198 60	HTR7	5- hydroxytry ptamine (serotonin) receptor 7 (adenylate cyclase- coupled)	-0.658026 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0198 60	HTR7	5- hydroxytry ptamine (serotonin) receptor 7 (adenylate cyclase- coupled)	-0.269688 Inlier
siRNA Disorazole DMSO Run3	NM_0198 60	HTR7	5- hydroxytry ptamine (serotonin) receptor 7 (adenylate cyclase- coupled)	0.269688 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0198 60	HTR7	5- hydroxytry ptamine (serotonin) receptor 7 (adenylate cyclase- coupled)	0.545309	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0198 60	HTR7	5- hydroxytry ptamine (serotonin) receptor 7 (adenylate cyclase- coupled)	1.515474	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0198 60	HTR7	5- hydroxytry ptamine (serotonin) receptor 7 (adenylate cyclase- coupled) HtrA	1.649295	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0530 44	HTRA3	serine peptidase 3 HtrA	-0.994199	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0530 44	HTRA3	serine peptidase 3 HtrA	-0.895239	Inlier
siRNA Disorazole DMSO Run3	NM_0530 44	HTRA3	serine peptidase 3 HtrA	-0.453761	Inlier
siRNA Disorazole DMSO Run2	NM_0530 44	HTRA3	serine peptidase 3 HtrA	-0.042475	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0530 44	HTRA3	serine peptidase 3 HtrA	0.042475	Inlier
siRNA Disorazole DMSO Run1	NM_0530 44	HTRA3	serine peptidase 3	0.396526	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	siRNA	Gene	Gene	Log2FC	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0530 44	HTRA3	HTRA3	HtrA serine peptidase 3	1.237215	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0530 44	HTRA3	HTRA3	HtrA serine peptidase 3	1.497646	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0158 60	HUMRTVL	HUMRTVL	HUMRTVL H3	-0.753864	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0158 60	HUMRTVL	HUMRTVL	HUMRTVL H3	-0.595136	Inlier
siRNA Disorazole DMSO Run1	NM_0158 60	HUMRTVL	HUMRTVL	HUMRTVL H3	-0.041708	Inlier
siRNA Disorazole DMSO Run2	NM_0158 60	HUMRTVL	HUMRTVL	HUMRTVL H3	-0.040663	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0158 60	HUMRTVL	HUMRTVL	HUMRTVL H3	0.040663	Inlier
siRNA Disorazole DMSO Run3	NM_0158 60	HUMRTVL	HUMRTVL	HUMRTVL H3	0.843291	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0158 60	HUMRTVL	HUMRTVL	HUMRTVL H3	1.174436	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0158 60	HUMRTVL	HUMRTVL	HUMRTVL H3	1.41863	Inlier
siRNA Disorazole DMSO Run2	NM_0145 86	HUNK	HUNK	hormonally upregulated Neu-associated kinase	-1.407481	Inlier
siRNA Disorazole DMSO Run3	NM_0145 86	HUNK	HUNK	hormonally upregulated Neu-associated kinase	-0.855509	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0145 86	HUNK	HUNK	hormonally upregulated Neu-associated kinase	-0.487205	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0145 86	HUNK	HUNK	hormonally upregulated Neu-associated kinase	-0.151305	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_014586	HUNK	hormonally upregulated Neu-associated kinase	0.151304	Inlier
siRNA Disorazole DMSO Run1	NM_014586	HUNK	hormonally upregulated Neu-associated kinase	0.509935	Inlier
siRNA-Vinblastine Run1-DMSO	NM_014586	HUNK	hormonally upregulated Neu-associated kinase	0.839065	Inlier
siRNA-Vinblastine Run2-DMSO	NM_014586	HUNK	hormonally upregulated Neu-associated kinase	1.313664	Inlier
siRNA-Temozolomide Run3-DMSO	NM_153281	HYAL1	hyaluronoglucosaminidase 1	-1.352625	Inlier
siRNA Disorazole DMSO Run3	NM_153281	HYAL1	hyaluronoglucosaminidase 1	-0.515978	Inlier
siRNA-Vinblastine Run2-DMSO	NM_153281	HYAL1	hyaluronoglucosaminidase 1	-0.479508	Inlier
siRNA Disorazole DMSO Run1	NM_153281	HYAL1	hyaluronoglucosaminidase 1	-0.3876	Inlier
siRNA-Temozolomide Run1-DMSO	NM_153281	HYAL1	hyaluronoglucosaminidase 1	0.387599	Inlier
siRNA-Temozolomide Run2-DMSO	NM_153281	HYAL1	hyaluronoglucosaminidase 1	0.833022	Inlier
siRNA-Vinblastine Run1-DMSO	NM_153281	HYAL1	hyaluronoglucosaminidase 1	5.36901	Outlier
siRNA Disorazole DMSO Run2	NM_153281	HYAL1	hyaluronoglucosaminidase 1	6.854156	Outlier
siRNA Disorazole DMSO Run1	NM_033158	HYAL2	hyaluronoglucosaminidase 2	-1.10449	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology				hyalurono glucosami nidase 2	
siRNA-Temozolomide Run2- DMSO	NM_0331 58	HYAL2		-0.843405	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0331 58	HYAL2		-0.363629	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0331 58	HYAL2		-0.084943	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0331 58	HYAL2		0.084944	Inlier
siRNA Disorazole DMSO Run3	NM_0331 58	HYAL2		0.575436	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0331 58	HYAL2		0.773564	Inlier
siRNA Disorazole DMSO Run2	NM_0331 58	HYAL2		1.829801	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0035 49	HYAL3		-1.117951	Inlier
siRNA Disorazole DMSO Run1	NM_0035 49	HYAL3		-1.00423	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0035 49	HYAL3		-0.056103	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0035 49	HYAL3		-0.007821	Inlier
siRNA Disorazole DMSO Run3	NM_0035 49	HYAL3		0.007821	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0035 49	HYAL3		0.34477	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0035 49	HYAL3		1.606265	Inlier
siRNA Disorazole DMSO Run2	NM_0035 49	HYAL3		2.573413	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0122 69	HYAL4		-1.311345	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0122 69	HYAL4		-0.735279	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0122 69	HYAL4	hyalurono glucosami nidase 4	-0.283448	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0122 69	HYAL4	hyalurono glucosami nidase 4	-0.210904	Inlier
siRNA Disorazole DMSO Run1	NM_0122 69	HYAL4	hyalurono glucosami nidase 4	0.210903	Inlier
siRNA Disorazole DMSO Run3	NM_0122 69	HYAL4	hyalurono glucosami nidase 4	0.613721	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0122 69	HYAL4	hyalurono glucosami nidase 4	1.341598	Inlier
siRNA Disorazole DMSO Run2	NM_0122 69	HYAL4	hyalurono glucosami nidase 4	1.659995	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0252 10	I-4	protein phosphata se 1, regulatory (inhibitor) subunit 2 pseudoge ne 9	-3.064104	Inlier
siRNA Disorazole DMSO Run3	NM_0252 10	I-4	protein phosphata se 1, regulatory (inhibitor) subunit 2 pseudoge ne 9	-0.743471	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0252 10	I-4	protein phosphata se 1, regulatory (inhibitor) subunit 2 pseudoge ne 9	-0.47881	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0252 10	I-4	protein phosphata se 1, regulatory (inhibitor) subunit 2 pseudoge ne 9	-0.333007	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0252 10	I-4	protein phosphatase 1, regulatory (inhibitor) subunit 2 pseudogene 9	0.333007	Inlier
siRNA Disorazole DMSO Run2	NM_0252 10	I-4	protein phosphatase 1, regulatory (inhibitor) subunit 2 pseudogene 9	0.605529	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0252 10	I-4	protein phosphatase 1, regulatory (inhibitor) subunit 2 pseudogene 9	1.130211	Inlier
siRNA Disorazole DMSO Run1	NM_0252 10	I-4	protein phosphatase 1, regulatory (inhibitor) subunit 2 pseudogene 9	1.31087	Inlier
siRNA Disorazole DMSO Run1	NM_0134 17	IARS	isoleucine-tRNA synthetase	-1.325048	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0134 17	IARS	isoleucine-tRNA synthetase	-0.740564	Inlier
siRNA Disorazole DMSO Run3	NM_0134 17	IARS	isoleucine-tRNA synthetase	-0.608436	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0134 17	IARS	isoleucine-tRNA synthetase	-0.002384	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0134 17	IARS	isoleucine-tRNA synthetase	0.002384	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0134 17	IARS	isoleucine-tRNA synthetase	0.109361	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0134 17	IARS	isoleucine-tRNA synthetase	1.226429	Inlier
siRNA Disorazole DMSO Run2	NM_0134 17	IARS	isoleucine-tRNA synthetase	1.360436	Inlier
siRNA Disorazole DMSO Run3	NM_0049 67	IBSP	integrin-binding sialoprotein (bone sialoprotein, bone sialoprotein II)	-1.083435	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0049 67	IBSP	integrin-binding sialoprotein (bone sialoprotein, bone sialoprotein II)	-0.959074	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0049 67	IBSP	integrin-binding sialoprotein (bone sialoprotein, bone sialoprotein II)	-0.655825	Inlier
siRNA Disorazole DMSO Run1	NM_0049 67	IBSP	integrin-binding sialoprotein (bone sialoprotein, bone sialoprotein II)	-0.071341	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0049 67	IBSP	integrin-binding sialoprotein (bone sialoprotein, bone sialoprotein II)	0.071341	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0049 67	IBSP	integrin-binding sialoprotein (bone sialoprotein, bone sialoprotein II)	0.120964	Inlier
siRNA Disorazole DMSO Run2	NM_0049 67	IBSP	integrin-binding sialoprotein (bone sialoprotein, bone sialoprotein II)	0.693175	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0049 67	IBSP	integrin-binding sialoprotein (bone sialoprotein, bone sialoprotein II)	1.067823	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0215 71	ICEBERG	ICEBERG	-2.046918	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0215 71	ICEBERG	ICEBERG	-1.081823	Inlier
siRNA Disorazole DMSO Run1	NM_0215 71	ICEBERG	ICEBERG	-0.348088	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0215 71	ICEBERG	ICEBERG	-0.171007	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0215 71	ICEBERG	ICEBERG	0.171007	Inlier
siRNA Disorazole DMSO Run2	NM_0215 71	ICEBERG	ICEBERG	0.334847	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0215 71	ICEBERG	ICEBERG	1.000912	Inlier
siRNA Disorazole DMSO Run3	NM_0215 71	ICEBERG	ICEBERG	1.900343	Inlier
siRNA Disorazole DMSO Run3	NM_1730 41	ICK	intestinal cell (MAK-like) kinase	-2.17785	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1730 41	ICK	intestinal cell (MAK-like) kinase	-0.668113	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1730 41	ICK	intestinal cell (MAK-like) kinase	-0.5673	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_1730 41	ICK	intestinal cell (MAK- like) kinase	-0.123937	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1730 41	ICK	intestinal cell (MAK- like) kinase	0.123938	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1730 41	ICK	intestinal cell (MAK- like) kinase	0.680887	Inlier
siRNA Disorazole DMSO Run1	NM_1730 41	ICK	intestinal cell (MAK- like) kinase	1.044558	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1730 41	ICK	intestinal cell (MAK- like) kinase isoprenylc ysteine carboxyl	3.439053	Inlier
siRNA Disorazole DMSO Run1	NM_1707 05	ICMT	methyltran sferase isoprenylc ysteine carboxyl	-1.834006	Inlier
siRNA Disorazole DMSO Run3	NM_1707 05	ICMT	methyltran sferase isoprenylc ysteine carboxyl	-0.578475	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1707 05	ICMT	methyltran sferase isoprenylc ysteine carboxyl	-0.3497	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1707 05	ICMT	methyltran sferase isoprenylc ysteine carboxyl	-0.315759	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1707 05	ICMT	methyltran sferase isoprenylc ysteine carboxyl	0.31576	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1707 05	ICMT	methyltran sferase	0.770525	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_1707 05	ICMT	isoprenylc ysteine carboxyl methyltran sferase	1.45742	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1707 05	ICMT	isoprenylc ysteine carboxyl methyltran sferase	1.814197	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0049 69	IDE	insulin- degrading enzyme	-0.938385	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0049 69	IDE	insulin- degrading enzyme	-0.633428	Inlier
siRNA Disorazole DMSO Run3	NM_0049 69	IDE	insulin- degrading enzyme	-0.048646	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0049 69	IDE	insulin- degrading enzyme	-0.03605	Inlier
siRNA Disorazole DMSO Run1	NM_0049 69	IDE	insulin- degrading enzyme	0.03605	Inlier
siRNA Disorazole DMSO Run2	NM_0049 69	IDE	insulin- degrading enzyme	0.715572	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0049 69	IDE	insulin- degrading enzyme	0.885481	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0049 69	IDE	insulin- degrading enzyme	0.996845	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0058 96	IDH1	isocitrate dehydroge nase 1 (NADP+), soluble	-0.996126	Inlier
siRNA Disorazole DMSO Run2	NM_0058 96	IDH1	isocitrate dehydroge nase 1 (NADP+), soluble	-0.702737	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0058 96	IDH1	isocitrate dehydroge nase 1 (NADP+), soluble	-0.646263	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Enzyme	Gene Name	Log Fold Change	Classification
siRNA Disorazole DMSO Run3	NM_0058 96	IDH1	isocitrate dehydrogenase 1 (NADP+), soluble	-0.276136	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0058 96	IDH1	isocitrate dehydrogenase 1 (NADP+), soluble	0.276136	Inlier
siRNA Disorazole DMSO Run1	NM_0058 96	IDH1	isocitrate dehydrogenase 1 (NADP+), soluble	0.424304	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0058 96	IDH1	isocitrate dehydrogenase 1 (NADP+), soluble	0.949582	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0058 96	IDH1	isocitrate dehydrogenase 1 (NADP+), soluble	1.10074	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0021 68	IDH2	isocitrate dehydrogenase 2 (NADP+), mitochondrial	-3.837298	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0021 68	IDH2	isocitrate dehydrogenase 2 (NADP+), mitochondrial	-3.061841	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0021 68	IDH2	isocitrate dehydrogenase 2 (NADP+), mitochondrial	-0.592315	Inlier
siRNA Disorazole DMSO Run1	NM_0021 68	IDH2	isocitrate dehydrogenase 2 (NADP+), mitochondrial	-0.067276	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0021 68	IDH2	isocitrate dehydrogenase 2 (NADP+), mitochondrial	0.067277	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0021 68	IDH2	isocitrate dehydrogenase 2 (NADP+), mitochondrial	0.652172	Inlier
siRNA Disorazole DMSO Run3	NM_0021 68	IDH2	isocitrate dehydrogenase 2 (NADP+), mitochondrial	0.696828	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0021 68	IDH2	isocitrate dehydrogenase 2 (NADP+), mitochondrial	0.703386	Inlier
siRNA Disorazole DMSO Run1	NM_0055 30	IDH3A	isocitrate dehydrogenase 3 (NAD+) alpha	-1.399772	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0055 30	IDH3A	isocitrate dehydrogenase 3 (NAD+) alpha	-1.179531	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0055 30	IDH3A	isocitrate dehydrogenase 3 (NAD+) alpha	-0.630315	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0055 30	IDH3A	isocitrate dehydrogenase 3 (NAD+) alpha	-0.031902	Inlier
siRNA Disorazole DMSO Run3	NM_0055 30	IDH3A	isocitrate dehydrogenase 3 (NAD+) alpha	0.031901	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0055 30	IDH3A	isocitrate dehydrogenase 3 (NAD+) alpha	0.128253	Inlier
siRNA Disorazole DMSO Run2	NM_0055 30	IDH3A	isocitrate dehydrogenase 3 (NAD+) alpha	0.718685	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0055 30	IDH3A	isocitrate dehydrogenase 3 (NAD+) alpha	1.068019	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1748 56	IDH3B	isocitrate dehydrogenase 3 (NAD+) beta	-1.290109	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1748 56	IDH3B	isocitrate dehydrogenase 3 (NAD+) beta	-0.666165	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1748 56	IDH3B	isocitrate dehydrogenase 3 (NAD+) beta	-0.354154	Inlier
siRNA Disorazole DMSO Run2	NM_1748 56	IDH3B	isocitrate dehydrogenase 3 (NAD+) beta	-0.165697	Inlier
siRNA Disorazole DMSO Run3	NM_1748 56	IDH3B	isocitrate dehydrogenase 3 (NAD+) beta	0.165697	Inlier
siRNA Disorazole DMSO Run1	NM_1748 56	IDH3B	isocitrate dehydrogenase 3 (NAD+) beta	0.682835	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1748 56	IDH3B	isocitrate dehydrogenase 3 (NAD+) beta	5.068442	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_1748 56	IDH3B	isocitrate dehydrogenase 3 (NAD+) beta	5.400916	Outlier
siRNA Disorazole DMSO Run1	NM_1748 69	IDH3G	isocitrate dehydrogenase 3 (NAD+) gamma	-1.17315	Inlier
siRNA Disorazole DMSO Run3	NM_1748 69	IDH3G	isocitrate dehydrogenase 3 (NAD+) gamma	-0.8223	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1748 69	IDH3G	isocitrate dehydrogenase 3 (NAD+) gamma	-0.816178	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1748 69	IDH3G	isocitrate dehydrogenase 3 (NAD+) gamma	-0.158115	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1748 69	IDH3G	isocitrate dehydrogenase 3 (NAD+) gamma	0.158115	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1748 69	IDH3G	isocitrate dehydrogenase 3 (NAD+) gamma	0.332983	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1748 69	IDH3G	isocitrate dehydrogenase 3 (NAD+) gamma	0.532822	Inlier
siRNA Disorazole DMSO Run2	NM_1748 69	IDH3G	isocitrate dehydrogenase 3 (NAD+) gamma	2.51368	Inlier
siRNA Disorazole DMSO Run3	NM_0045 08	IDI1	isopentenyl diphosphate delta isomerase	-1.204424	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_004508	IDI1	isopentenyl-diphosphate delta isomerase	-1.016034	Inlier
siRNA Disorazole DMSO Run1	NM_004508	IDI1	isopentenyl-diphosphate delta isomerase	-0.332965	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004508	IDI1	isopentenyl-diphosphate delta isomerase	-0.235883	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004508	IDI1	isopentenyl-diphosphate delta isomerase	0.235883	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004508	IDI1	isopentenyl-diphosphate delta isomerase	0.262594	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004508	IDI1	isopentenyl-diphosphate delta isomerase	1.184681	Inlier
siRNA Disorazole DMSO Run2	NM_004508	IDI1	isopentenyl-diphosphate delta isomerase	2.39551	Inlier
siRNA-Temozolomide Run3-DMSO	NM_033261	IDI2	isopentenyl-diphosphate delta isomerase 2	-1.118916	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0332 61	IDI2	isopentenyl l- diphosphate delta isomerase 2	-0.562341	Inlier
siRNA Disorazole DMSO Run3	NM_0332 61	IDI2	isopentenyl l- diphosphate delta isomerase 2	-0.405326	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0332 61	IDI2	isopentenyl l- diphosphate delta isomerase 2	-0.251829	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0332 61	IDI2	isopentenyl l- diphosphate delta isomerase 2	0.251828	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0332 61	IDI2	isopentenyl l- diphosphate delta isomerase 2	0.786659	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0332 61	IDI2	isopentenyl l- diphosphate delta isomerase 2	1.049372	Inlier
siRNA Disorazole DMSO Run2	NM_0332 61	IDI2	isopentenyl l- diphosphate delta isomerase 2	1.525087	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0002 02	IDS	iduronate 2- sulfatase (Hunter syndrome)	-2.097375	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_000202	IDS	iduronate 2-sulfatase (Hunter syndrome)	-0.959337	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000202	IDS	iduronate 2-sulfatase (Hunter syndrome)	-0.812799	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000202	IDS	iduronate 2-sulfatase (Hunter syndrome)	-0.124968	Inlier
siRNA Disorazole DMSO Run1	NM_000202	IDS	iduronate 2-sulfatase (Hunter syndrome)	0.124968	Inlier
siRNA Disorazole DMSO Run3	NM_000202	IDS	iduronate 2-sulfatase (Hunter syndrome)	0.393759	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000202	IDS	iduronate 2-sulfatase (Hunter syndrome)	0.536201	Inlier
siRNA Disorazole DMSO Run2	NM_000202	IDS	iduronate 2-sulfatase (Hunter syndrome)	1.189056	Inlier
siRNA Disorazole DMSO Run1	NM_000203	IDUA	iduronidas e, alpha-L-	-1.797923	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000203	IDUA	iduronidas e, alpha-L-	-1.219084	Inlier
siRNA Disorazole DMSO Run3	NM_000203	IDUA	iduronidas e, alpha-L-	-0.86613	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000203	IDUA	iduronidas e, alpha-L-	-0.044495	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000203	IDUA	iduronidas e, alpha-L-	0.044495	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Temozolomide Run2- DMSO	NM_0002 03	IDUA	iduronidas e, alpha-L-	0.252013	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0002 03	IDUA	iduronidas e, alpha-L-	0.48287	Inlier
siRNA Disorazole DMSO Run2	NM_0002 03	IDUA	iduronidas e, alpha-L-	1.73141	Inlier
siRNA Disorazole DMSO Run2	NM_0002 04	IF	l factor (complem ent)	-1.293779	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0002 04	IF	l factor (complem ent)	-1.220172	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0002 04	IF	l factor (complem ent)	-0.505431	Inlier
siRNA Disorazole DMSO Run3	NM_0002 04	IF	l factor (complem ent)	-0.426594	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0002 04	IF	l factor (complem ent)	0.426594	Inlier
siRNA Disorazole DMSO Run1	NM_0002 04	IF	l factor (complem ent)	0.645996	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0002 04	IF	l factor (complem ent)	0.703004	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0002 04	IF	l factor (complem ent)	0.864163	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0006 29	IFNAR1	interferon (alpha, beta and omega) receptor 1	-1.772334	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0006 29	IFNAR1	interferon (alpha, beta and omega) receptor 1	-0.909174	Inlier
siRNA Disorazole DMSO Run3	NM_0006 29	IFNAR1	interferon (alpha, beta and omega) receptor 1	-0.439826	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0006 29	IFNAR1	interferon (alpha, beta and omega) receptor 1	-0.014826	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0006 29	IFNAR1	interferon (alpha, beta and omega) receptor 1	0.014826	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0006 29	IFNAR1	interferon (alpha, beta and omega) receptor 1	0.226114	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0006 29	IFNAR1	interferon (alpha, beta and omega) receptor 1	2.252223	Inlier
siRNA Disorazole DMSO Run2	NM_0006 29	IFNAR1	interferon (alpha, beta and omega) receptor 1	2.333422	Inlier
siRNA-Temozolomide Run3- DMSO	NM_2075 85	IFNAR2	interferon (alpha, beta and omega) receptor 2	-1.034534	Inlier
siRNA Disorazole DMSO Run1	NM_2075 85	IFNAR2	interferon (alpha, beta and omega) receptor 2	-0.772178	Inlier
siRNA-Vinblastine Run2- DMSO	NM_2075 85	IFNAR2	interferon (alpha, beta and omega) receptor 2	-0.576822	Inlier
siRNA-Temozolomide Run1- DMSO	NM_2075 85	IFNAR2	interferon (alpha, beta and omega) receptor 2	-0.330023	Inlier
siRNA-Temozolomide Run2- DMSO	NM_2075 85	IFNAR2	interferon (alpha, beta and omega) receptor 2	0.330023	Inlier
siRNA Disorazole DMSO Run3	NM_2075 85	IFNAR2	interferon (alpha, beta and omega) receptor 2	0.435814	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_2075 85	IFNAR2	interferon (alpha, beta and omega) receptor 2	1.21762	Inlier
siRNA Disorazole DMSO Run2	NM_2075 85	IFNAR2	interferon (alpha, beta and omega) receptor 2	1.247718	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0021 76	IFNB1	interferon, beta 1, fibroblast	-1.089571	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0021 76	IFNB1	interferon, beta 1, fibroblast	-0.652828	Inlier
siRNA Disorazole DMSO Run3	NM_0021 76	IFNB1	interferon, beta 1, fibroblast	-0.552522	Inlier
siRNA Disorazole DMSO Run1	NM_0021 76	IFNB1	interferon, beta 1, fibroblast	-0.3538	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0021 76	IFNB1	interferon, beta 1, fibroblast	0.3538	Inlier
siRNA Disorazole DMSO Run2	NM_0021 76	IFNB1	interferon, beta 1, fibroblast	0.696172	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0021 76	IFNB1	interferon, beta 1, fibroblast	1.764053	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0021 76	IFNB1	interferon, beta 1, fibroblast	2.274814	Inlier
siRNA Disorazole DMSO Run1	NM_0004 16	IFNGR1	interferon gamma receptor 1	-0.821318	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0004 16	IFNGR1	interferon gamma receptor 1	-0.75253	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0004 16	IFNGR1	interferon gamma receptor 1	-0.524274	Inlier
siRNA Disorazole DMSO Run3	NM_0004 16	IFNGR1	interferon gamma receptor 1	-0.167079	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0004 16	IFNGR1	interferon gamma receptor 1	0.167079	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0004 16	IFNGR1	interferon gamma receptor 1	0.59647	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA Treatment	Gene	Accession	Gene Name	Log Fold Change	Outlier Status
Molecular Pharmacology siRNA-Vinblastine Run1- DMSO	NM_0004 16	IFNGR1	interferon gamma receptor 1	2.955455	Inlier
siRNA Disorazole DMSO Run2	NM_0004 16	IFNGR1	interferon gamma receptor 1	3.015488	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0055 34	IFNGR2	interferon gamma receptor 2 (interferon gamma transducer 1)	-2.761801	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0055 34	IFNGR2	interferon gamma receptor 2 (interferon gamma transducer 1)	-2.628362	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0055 34	IFNGR2	interferon gamma receptor 2 (interferon gamma transducer 1)	-1.519892	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0055 34	IFNGR2	interferon gamma receptor 2 (interferon gamma transducer 1)	-0.082854	Inlier
siRNA Disorazole DMSO Run3	NM_0055 34	IFNGR2	interferon gamma receptor 2 (interferon gamma transducer 1)	0.082852	Inlier
siRNA Disorazole DMSO Run1	NM_0055 34	IFNGR2	interferon gamma receptor 2 (interferon gamma transducer 1)	0.351556	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0055 34	IFNGR2	interferon gamma receptor 2 (interferon gamma transducer 1)	0.616431	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0055 34	IFNGR2	interferon gamma receptor 2 (interferon gamma transducer 1)	0.732569	Inlier
siRNA Disorazole DMSO Run3	NM_0008 75	IGF1R	insulin-like growth factor 1 receptor	-1.736467	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0008 75	IGF1R	insulin-like growth factor 1 receptor	-0.683138	Inlier
siRNA Disorazole DMSO Run1	NM_0008 75	IGF1R	insulin-like growth factor 1 receptor	-0.665862	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0008 75	IGF1R	insulin-like growth factor 1 receptor	-0.430855	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0008 75	IGF1R	insulin-like growth factor 1 receptor	0.430855	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0008 75	IGF1R	insulin-like growth factor 1 receptor	0.641522	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0008 75	IGF1R	insulin-like growth factor 1 receptor	1.05316	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0008 75	IGF1R	insulin-like growth factor 1 receptor	1.688368	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0008 76	IGF2R	insulin-like growth factor 2 receptor	-1.812348	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0008 76	IGF2R	insulin-like growth factor 2 receptor	-1.366442	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0008 76	IGF2R	insulin-like growth factor 2 receptor	-0.465223	Inlier
siRNA Disorazole DMSO Run1	NM_0008 76	IGF2R	insulin-like growth factor 2 receptor	-0.105394	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0008 76	IGF2R	insulin-like growth factor 2 receptor	0.105395	Inlier
siRNA Disorazole DMSO Run3	NM_0008 76	IGF2R	insulin-like growth factor 2 receptor	0.380838	Inlier
siRNA Disorazole DMSO Run2	NM_0008 76	IGF2R	insulin-like growth factor 2 receptor	0.883776	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0008 76	IGF2R	insulin-like growth factor 2 receptor	1.610718	Inlier
siRNA Disorazole DMSO Run3	NM_1788 22	IGSF10	immunogl obulin superfamil y, member 10	-0.829873	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_1788 22	IGSF10	immunoglobulin superfamily, member 10	-0.708461	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1788 22	IGSF10	immunoglobulin superfamily, member 10	-0.640539	Inlier
siRNA Disorazole DMSO Run1	NM_1788 22	IGSF10	immunoglobulin superfamily, member 10	-0.178115	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1788 22	IGSF10	immunoglobulin superfamily, member 10	0.178115	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1788 22	IGSF10	immunoglobulin superfamily, member 10	0.322424	Inlier
siRNA Disorazole DMSO Run2	NM_1788 22	IGSF10	immunoglobulin superfamily, member 10	1.054504	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1788 22	IGSF10	immunoglobulin superfamily, member 10	1.325094	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1532 73	IHPK1	inositol hexaphosphate kinase 1	-0.83824	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1532 73	IHPK1	inositol hexaphosphate kinase 1	-0.51076	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_1532 73	IHPK1	inositol hexaphos phate kinase 1	-0.226544	Inlier
siRNA Disorazole DMSO Run2	NM_1532 73	IHPK1	inositol hexaphos phate kinase 1	-0.010299	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1532 73	IHPK1	inositol hexaphos phate kinase 1	0.010299	Inlier
siRNA Disorazole DMSO Run1	NM_1532 73	IHPK1	inositol hexaphos phate kinase 1	1.263213	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1532 73	IHPK1	inositol hexaphos phate kinase 1	2.287353	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1532 73	IHPK1	inositol hexaphos phate kinase 1	2.807553	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0162 91	IHPK2	inositol hexaphos phate kinase 2	-2.327709	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0162 91	IHPK2	inositol hexaphos phate kinase 2	-0.795582	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0162 91	IHPK2	inositol hexaphos phate kinase 2	-0.678264	Inlier
siRNA Disorazole DMSO Run2	NM_0162 91	IHPK2	inositol hexaphos phate kinase 2	-0.009907	Inlier
siRNA Disorazole DMSO Run1	NM_0162 91	IHPK2	inositol hexaphos phate kinase 2	0.009907	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0162 91	IHPK2	inositol hexaphos phate kinase 2	0.384065	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0162 91	IHPK2	inositol hexaphos phate kinase 2	0.670736	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0162 91	IHPK2	inositol hexaphos phate kinase 2	1.584705	Inlier
siRNA Disorazole DMSO Run2	NM_0541 11	IHPK3	inositol hexaphos phate kinase 3	-1.160169	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0541 11	IHPK3	inositol hexaphos phate kinase 3	-0.737344	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0541 11	IHPK3	inositol hexaphos phate kinase 3	-0.117635	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0541 11	IHPK3	inositol hexaphos phate kinase 3	-0.096798	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0541 11	IHPK3	inositol hexaphos phate kinase 3	0.096798	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0541 11	IHPK3	inositol hexaphos phate kinase 3	0.611656	Inlier
siRNA Disorazole DMSO Run1	NM_0541 11	IHPK3	inositol hexaphos phate kinase 3	1.162008	Inlier
siRNA Disorazole DMSO Run3	NM_0541 11	IHPK3	inositol hexaphos phate kinase 3	3.606883	Outlier
siRNA-Temozolomide Run3- DMSO	NM_0036 40	IKBKAP	inhibitor of kappa light polypeptid e gene enhancer in B-cells, kinase complex- associated protein	-1.935872	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	40	NM_0036	IKBKAP	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase complex-associated protein	-0.803267	Inlier
siRNA Disorazole DMSO Run2	40	NM_0036	IKBKAP	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase complex-associated protein	-0.678944	Inlier
siRNA-Temozolomide DMSO Run1-	40	NM_0036	IKBKAP	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase complex-associated protein	-0.027251	Inlier
siRNA Disorazole DMSO Run3	40	NM_0036	IKBKAP	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase complex-associated protein	0.027252	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_003640	IKBKAP	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase complex-associated protein	0.227355	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003640	IKBKAP	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase complex-associated protein	0.670056	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003640	IKBKAP	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase complex-associated protein	1.424407	Inlier
siRNA Disorazole DMSO Run2	NM_001556	IKBKB	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta	-0.801866	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001556	IKBKB	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta	-0.792698	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_001556	IKBKB	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta	-0.435935	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001556	IKBKB	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta	-0.005821	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001556	IKBKB	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta	0.00582	Inlier
siRNA Disorazole DMSO Run1	NM_001556	IKBKB	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta	0.556302	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001556	IKBKB	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta	0.845015	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0015 56	IKBKB	inhibitor of kappa light polypeptid e gene enhancer in B-cells, kinase beta	2.627906	Inlier
siRNA Disorazole DMSO Run1	NM_0140 02	IKBKE	inhibitor of kappa light polypeptid e gene enhancer in B-cells, kinase epsilon	-0.731472	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0140 02	IKBKE	inhibitor of kappa light polypeptid e gene enhancer in B-cells, kinase epsilon	-0.617528	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0140 02	IKBKE	inhibitor of kappa light polypeptid e gene enhancer in B-cells, kinase epsilon	-0.316167	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0140 02	IKBKE	inhibitor of kappa light polypeptid e gene enhancer in B-cells, kinase epsilon	-0.073769	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0140 02	IKBKE	inhibitor of kappa light polypeptid e gene enhancer in B-cells, kinase epsilon	0.073768	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0140 02	IKBKE	inhibitor of kappa light polypeptid e gene enhancer in B-cells, kinase epsilon	0.776941	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0140 02	IKBKE	inhibitor of kappa light polypeptid e gene enhancer in B-cells, kinase epsilon	0.975584	Inlier
siRNA Disorazole DMSO Run3	NM_0140 02	IKBKE	inhibitor of kappa light polypeptid e gene enhancer in B-cells, kinase epsilon	1.692718	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0036 39	IKBKG	inhibitor of kappa light polypeptid e gene enhancer in B-cells, kinase gamma	-10.52699	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_003639	IKBKG	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase gamma	-0.434338	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003639	IKBKG	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase gamma	-0.310547	Inlier
siRNA Disorazole DMSO Run2	NM_003639	IKBKG	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase gamma	-0.239673	Inlier
siRNA Disorazole DMSO Run1	NM_003639	IKBKG	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase gamma	0.239673	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003639	IKBKG	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase gamma	0.914662	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0036 39	IKBKG	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase gamma	6.095284	Outlier
siRNA Disorazole DMSO Run3	NM_0036 39	IKBKG	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase gamma	11.62721	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0015 58	IL10RA	interleukin 10 receptor, alpha	-1.308653	Inlier
siRNA Disorazole DMSO Run1	NM_0015 58	IL10RA	interleukin 10 receptor, alpha	-0.490674	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0015 58	IL10RA	interleukin 10 receptor, alpha	-0.434787	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0015 58	IL10RA	interleukin 10 receptor, alpha	-0.215898	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0015 58	IL10RA	interleukin 10 receptor, alpha	0.215898	Inlier
siRNA Disorazole DMSO Run3	NM_0015 58	IL10RA	interleukin 10 receptor, alpha	0.858326	Inlier
siRNA Disorazole DMSO Run2	NM_0015 58	IL10RA	interleukin 10 receptor, alpha	1.389788	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0015 58	IL10RA	interleukin 10 receptor, alpha	1.522295	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			interleukin 10 receptor, beta	
siRNA-Vinblastine Run2- DMSO	NM_0006 28	IL10RB	interleukin 10 receptor, beta	-2.022883 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0006 28	IL10RB	interleukin 10 receptor, beta	-0.957052 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0006 28	IL10RB	interleukin 10 receptor, beta	-0.70423 Inlier
siRNA Disorazole DMSO Run3	NM_0006 28	IL10RB	interleukin 10 receptor, beta	-0.08586 Inlier
siRNA Disorazole DMSO Run1	NM_0006 28	IL10RB	interleukin 10 receptor, beta	0.08586 Inlier
siRNA Disorazole DMSO Run2	NM_0006 28	IL10RB	interleukin 10 receptor, beta	0.482079 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0006 28	IL10RB	interleukin 10 receptor, beta	0.64477 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0006 28	IL10RB	interleukin 10 receptor, beta	1.701235 Inlier
siRNA-Vinblastine Run2- DMSO	NM_1471 62	IL11RA	interleukin 11 receptor, alpha	-3.939042 Outlier
siRNA Disorazole DMSO Run1	NM_1471 62	IL11RA	interleukin 11 receptor, alpha	-0.929861 Inlier
siRNA-Temozolomide Run2- DMSO	NM_1471 62	IL11RA	interleukin 11 receptor, alpha	-0.622242 Inlier
siRNA Disorazole DMSO Run3	NM_1471 62	IL11RA	interleukin 11 receptor, alpha	-0.574607 Inlier
siRNA-Temozolomide Run3- DMSO	NM_1471 62	IL11RA	interleukin 11 receptor, alpha	0.574607 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			interleukin 11	
siRNA Disorazole DMSO Run2	NM_1471 62	IL11RA	receptor, alpha interleukin 11	0.600646 Inlier
siRNA-Temozolomide Run1- DMSO	NM_1471 62	IL11RA	receptor, alpha interleukin 11	0.726758 Inlier
siRNA-Vinblastine Run1- DMSO	NM_1471 62	IL11RA	receptor, alpha interleukin 12	2.288682 Inlier
siRNA-Temozolomide Run3- DMSO	NM_1537 01	IL12RB1	receptor, beta 1 interleukin 12	-0.868763 Inlier
siRNA-Temozolomide Run2- DMSO	NM_1537 01	IL12RB1	receptor, beta 1 interleukin 12	-0.810323 Inlier
siRNA-Vinblastine Run2- DMSO	NM_1537 01	IL12RB1	receptor, beta 1 interleukin 12	-0.450748 Inlier
siRNA Disorazole DMSO Run1	NM_1537 01	IL12RB1	receptor, beta 1 interleukin 12	-0.271979 Inlier
siRNA Disorazole DMSO Run3	NM_1537 01	IL12RB1	receptor, beta 1 interleukin 12	0.271979 Inlier
siRNA-Temozolomide Run1- DMSO	NM_1537 01	IL12RB1	receptor, beta 1 interleukin 12	0.538677 Inlier
siRNA Disorazole DMSO Run2	NM_1537 01	IL12RB1	receptor, beta 1 interleukin 12	1.189566 Inlier
siRNA-Vinblastine Run1- DMSO	NM_1537 01	IL12RB1	receptor, beta 1 interleukin 12	1.821008 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0015 59	IL12RB2	receptor, beta 2 interleukin 12	-2.21316 Inlier
siRNA Disorazole DMSO Run3	NM_0015 59	IL12RB2	receptor, beta 2	-0.913324 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Value	Category
siRNA Disorazole DMSO Run1	NM_001559	IL12RB2	-0.435676	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001559	IL12RB2	-0.006763	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001559	IL12RB2	0.006763	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001559	IL12RB2	0.139263	Inlier
siRNA Disorazole DMSO Run2	NM_001559	IL12RB2	3.682951	Outlier
siRNA-Vinblastine Run1-DMSO	NM_001559	IL12RB2	5.827459	Outlier
siRNA-Vinblastine Run2-DMSO	NM_001560	IL13RA1	-0.940238	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001560	IL13RA1	-0.408762	Inlier
siRNA Disorazole DMSO Run3	NM_001560	IL13RA1	-0.374383	Inlier
siRNA Disorazole DMSO Run1	NM_001560	IL13RA1	-0.273849	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001560	IL13RA1	0.27385	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001560	IL13RA1	1.036256	Inlier
siRNA Disorazole DMSO Run2	NM_001560	IL13RA1	2.38596	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			interleukin 13	
siRNA-Vinblastine Run1- DMSO	NM_0015 60	IL13RA1	receptor, alpha 1	4.056911 Outlier
			interleukin 13	
siRNA-Vinblastine Run2- DMSO	NM_0006 40	IL13RA2	receptor, alpha 2	-0.866301 Inlier
			interleukin 13	
siRNA-Temozolomide Run2- DMSO	NM_0006 40	IL13RA2	receptor, alpha 2	-0.683048 Inlier
			interleukin 13	
siRNA Disorazole DMSO Run3	NM_0006 40	IL13RA2	receptor, alpha 2	-0.180214 Inlier
			interleukin 13	
siRNA Disorazole DMSO Run1	NM_0006 40	IL13RA2	receptor, alpha 2	-0.052084 Inlier
			interleukin 13	
siRNA-Temozolomide Run1- DMSO	NM_0006 40	IL13RA2	receptor, alpha 2	0.052084 Inlier
			interleukin 13	
siRNA Disorazole DMSO Run2	NM_0006 40	IL13RA2	receptor, alpha 2	0.665952 Inlier
			interleukin 13	
siRNA-Vinblastine Run1- DMSO	NM_0006 40	IL13RA2	receptor, alpha 2	0.843546 Inlier
			interleukin 13	
siRNA-Temozolomide Run3- DMSO	NM_0006 40	IL13RA2	receptor, alpha 2	0.888039 Inlier
			interleukin 15	
siRNA-Vinblastine Run2- DMSO	NM_0021 89	IL15RA	receptor, alpha	-1.052533 Inlier
			interleukin 15	
siRNA-Temozolomide Run2- DMSO	NM_0021 89	IL15RA	receptor, alpha	-0.780425 Inlier
			interleukin 15	
siRNA Disorazole DMSO Run1	NM_0021 89	IL15RA	receptor, alpha	-0.420701 Inlier
			interleukin 15	
siRNA-Temozolomide Run1- DMSO	NM_0021 89	IL15RA	receptor, alpha	-0.025942 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			interleukin 15	
siRNA Disorazole DMSO Run3	NM_0021 89	IL15RA	receptor, alpha interleukin 15	0.025942 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0021 89	IL15RA	receptor, alpha interleukin 15	0.568575 Inlier
siRNA Disorazole DMSO Run2	NM_0021 89	IL15RA	receptor, alpha interleukin 15	0.894221 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0021 89	IL15RA	receptor, alpha interleukin 17	1.315369 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0143 39	IL17R	receptor interleukin 17	-1.890808 Inlier
siRNA Disorazole DMSO Run1	NM_0143 39	IL17R	receptor interleukin 17	-0.781216 Inlier
siRNA Disorazole DMSO Run3	NM_0143 39	IL17R	receptor interleukin 17	-0.567784 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0143 39	IL17R	receptor interleukin 17	-0.010135 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0143 39	IL17R	receptor interleukin 17	0.010134 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0143 39	IL17R	receptor interleukin 17	0.391777 Inlier
siRNA Disorazole DMSO Run2	NM_0143 39	IL17R	receptor interleukin 17	0.884887 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0143 39	IL17R	receptor	1.518329 Inlier
siRNA-Vinblastine Run2- DMSO	NM_1722 34	IL17RB	interleukin 17 receptor B	-1.020195 Inlier
siRNA-Temozolomide Run2- DMSO	NM_1722 34	IL17RB	interleukin 17 receptor B	-0.761803 Inlier
siRNA-Temozolomide Run1- DMSO	NM_1722 34	IL17RB	interleukin 17 receptor B	-0.285059 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1722 34	IL17RB	interleukin 17 receptor B	-0.063904	Inlier
siRNA Disorazole DMSO Run3	NM_1722 34	IL17RB	interleukin 17 receptor B	0.063904	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1722 34	IL17RB	interleukin 17 receptor B	0.587197	Inlier
siRNA Disorazole DMSO Run2	NM_1722 34	IL17RB	interleukin 17 receptor B	1.416044	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1722 34	IL17RB	interleukin 17 receptor B	1.732584	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0038 55	IL18R1	interleukin 18 receptor 1	-0.761712	Inlier
siRNA Disorazole DMSO Run3	NM_0038 55	IL18R1	interleukin 18 receptor 1	-0.587288	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0038 55	IL18R1	interleukin 18 receptor 1	-0.566939	Inlier
siRNA Disorazole DMSO Run1	NM_0038 55	IL18R1	interleukin 18 receptor 1	-0.414549	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0038 55	IL18R1	interleukin 18 receptor 1	0.414549	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0038 55	IL18R1	interleukin 18 receptor 1	0.872482	Inlier
siRNA Disorazole DMSO Run2	NM_0038 55	IL18R1	interleukin 18 receptor 1	2.021656	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0038 55	IL18R1	interleukin 18 receptor 1	2.630082	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0038 53	IL18RAP	interleukin 18 receptor accessory protein	-2.950668	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			interleukin 18 receptor accessory protein	
siRNA Disorazole DMSO Run1	NM_0038 53	IL18RAP	interleukin 18 receptor accessory protein	-0.777432 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0038 53	IL18RAP	interleukin 18 receptor accessory protein	-0.585332 Inlier
siRNA Disorazole DMSO Run3	NM_0038 53	IL18RAP	interleukin 18 receptor accessory protein	-0.231893 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0038 53	IL18RAP	interleukin 18 receptor accessory protein	0.231894 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0038 53	IL18RAP	interleukin 18 receptor accessory protein	0.662598 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0038 53	IL18RAP	interleukin 18 receptor accessory protein	0.686402 Inlier
siRNA Disorazole DMSO Run2	NM_0038 53	IL18RAP	interleukin 18 receptor accessory protein	1.147855 Inlier
siRNA Disorazole DMSO Run1	NM_0005 75	IL1A	interleukin 1, alpha	-0.974508 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0005 75	IL1A	interleukin 1, alpha	-0.745479 Inlier
siRNA Disorazole DMSO Run3	NM_0005 75	IL1A	interleukin 1, alpha	-0.603521 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0005 75	IL1A	interleukin 1, alpha	-0.219699 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0005 75	IL1A	interleukin 1, alpha	0.219699 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0005 75	IL1A	interleukin 1, alpha	0.286638 Inlier
siRNA Disorazole DMSO Run2	NM_0005 75	IL1A	interleukin 1, alpha	0.905895 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0005 75	IL1A	interleukin 1, alpha	1.449558 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0008 77	IL1R1	interleukin 1 receptor, type I	-1.521074 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0008 77	IL1R1	interleukin 1 receptor, type I	-1.039533 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0008 77	IL1R1	interleukin 1 receptor, type I	-0.446475 Inlier
siRNA Disorazole DMSO Run3	NM_0008 77	IL1R1	interleukin 1 receptor, type I	-0.123091 Inlier
siRNA Disorazole DMSO Run1	NM_0008 77	IL1R1	interleukin 1 receptor, type I	0.123091 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0008 77	IL1R1	interleukin 1 receptor, type I	0.449068 Inlier
siRNA Disorazole DMSO Run2	NM_0008 77	IL1R1	interleukin 1 receptor, type I	0.899932 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0008 77	IL1R1	interleukin 1 receptor, type I	1.589016 Inlier
siRNA-Temozolomide Run2-DMSO	NM_1733 43	IL1R2	interleukin 1 receptor, type II	-1.795756 Inlier
siRNA-Temozolomide Run3-DMSO	NM_1733 43	IL1R2	interleukin 1 receptor, type II	-0.810915 Inlier
siRNA-Vinblastine Run2-DMSO	NM_1733 43	IL1R2	interleukin 1 receptor, type II	-0.589552 Inlier
siRNA Disorazole DMSO Run3	NM_1733 43	IL1R2	interleukin 1 receptor, type II	-0.009747 Inlier
siRNA-Temozolomide Run1-DMSO	NM_1733 43	IL1R2	interleukin 1 receptor, type II	0.009747 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1733 43	IL1R2	interleukin 1 receptor, type II	0.182271	Inlier
siRNA Disorazole DMSO Run2	NM_1733 43	IL1R2	interleukin 1 receptor, type II	0.759448	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1733 43	IL1R2	interleukin 1 receptor, type II	0.919382	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0021 82	IL1RAP	interleukin 1 receptor accessory protein	-0.752797	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0021 82	IL1RAP	interleukin 1 receptor accessory protein	-0.721101	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0021 82	IL1RAP	interleukin 1 receptor accessory protein	-0.627899	Inlier
siRNA Disorazole DMSO Run1	NM_0021 82	IL1RAP	interleukin 1 receptor accessory protein	-0.276256	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0021 82	IL1RAP	interleukin 1 receptor accessory protein	0.276256	Inlier
siRNA Disorazole DMSO Run3	NM_0021 82	IL1RAP	interleukin 1 receptor accessory protein	0.557291	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0021 82	IL1RAP	interleukin 1 receptor accessory protein	1.428144	Inlier
siRNA Disorazole DMSO Run2	NM_0021 82	IL1RAP	interleukin 1 receptor accessory protein	1.604849	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0162 32	IL1RL1	interleukin 1 receptor- like 1	-1.015247	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0162 32	IL1RL1	interleukin 1 receptor- like 1	-0.932168	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0162 32	IL1RL1	interleukin 1 receptor- like 1	-0.416832	Inlier
siRNA Disorazole DMSO Run3	NM_0162 32	IL1RL1	interleukin 1 receptor- like 1	-0.124603	Inlier
siRNA Disorazole DMSO Run1	NM_0162 32	IL1RL1	interleukin 1 receptor- like 1	0.124602	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0162 32	IL1RL1	interleukin 1 receptor- like 1	0.152262	Inlier
siRNA Disorazole DMSO Run2	NM_0162 32	IL1RL1	interleukin 1 receptor- like 1	1.829042	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0162 32	IL1RL1	interleukin 1 receptor- like 1	2.259166	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0038 54	IL1RL2	interleukin 1 receptor- like 2	-1.222186	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0038 54	IL1RL2	interleukin 1 receptor- like 2	-0.751161	Inlier
siRNA Disorazole DMSO Run1	NM_0038 54	IL1RL2	interleukin 1 receptor- like 2	-0.574944	Inlier
siRNA Disorazole DMSO Run3	NM_0038 54	IL1RL2	interleukin 1 receptor- like 2	-0.034154	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0038 54	IL1RL2	interleukin 1 receptor- like 2	0.034154	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0038 54	IL1RL2	interleukin 1 receptor- like 2	0.597839	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0038 54	IL1RL2	interleukin 1 receptor- like 2	1.592713	Inlier
siRNA Disorazole DMSO Run2	NM_0038 54	IL1RL2	interleukin 1 receptor- like 2	2.039048	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1738 43	IL1RN	interleukin 1 receptor antagonist	-1.060184	Inlier
siRNA Disorazole DMSO Run3	NM_1738 43	IL1RN	interleukin 1 receptor antagonist	-0.288816	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1738 43	IL1RN	interleukin 1 receptor antagonist	-0.059475	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1738 43	IL1RN	interleukin 1 receptor antagonist	-0.028358	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1738 43	IL1RN	interleukin 1 receptor antagonist	0.028358	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1738 43	IL1RN	interleukin 1 receptor antagonist	2.260279	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1738 43	IL1RN	interleukin 1 receptor antagonist	2.813097	Inlier
siRNA Disorazole DMSO Run2	NM_1738 43	IL1RN	interleukin 1 receptor antagonist	4.116807	Outlier
siRNA-Temozolomide Run2- DMSO	NM_0144 32	IL20RA	interleukin 20 receptor, alpha	-2.348697	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0144 32	IL20RA	interleukin 20 receptor, alpha	-0.85221	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0144 32	IL20RA	interleukin 20 receptor, alpha	-0.336387	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0144 32	IL20RA	interleukin 20 receptor, alpha	-0.20144	Inlier
siRNA Disorazole DMSO Run3	NM_0144 32	IL20RA	interleukin 20 receptor, alpha	0.20144	Inlier
siRNA Disorazole DMSO Run1	NM_0144 32	IL20RA	interleukin 20 receptor, alpha	0.49679	Inlier
siRNA Disorazole DMSO Run2	NM_0144 32	IL20RA	interleukin 20 receptor, alpha	1.714202	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			interleukin 20	
siRNA-Vinblastine Run1- DMSO	NM_0144 32	IL20RA	receptor, alpha	2.353626 Inlier
siRNA-Vinblastine Run2- DMSO	NM_1810 79	IL21R	interleukin 21	-0.963764 Inlier
siRNA Disorazole DMSO Run1	NM_1810 79	IL21R	receptor interleukin 21	-0.912882 Inlier
siRNA-Temozolomide Run1- DMSO	NM_1810 79	IL21R	receptor interleukin 21	-0.276972 Inlier
siRNA-Temozolomide Run3- DMSO	NM_1810 79	IL21R	receptor interleukin 21	-0.124867 Inlier
siRNA Disorazole DMSO Run3	NM_1810 79	IL21R	receptor interleukin 21	0.124866 Inlier
siRNA-Temozolomide Run2- DMSO	NM_1810 79	IL21R	receptor interleukin 21	0.436118 Inlier
siRNA-Vinblastine Run1- DMSO	NM_1810 79	IL21R	receptor interleukin 21	1.367043 Inlier
siRNA Disorazole DMSO Run2	NM_1810 79	IL21R	receptor interleukin 21	1.856345 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0212 58	IL22RA1	receptor, alpha 1 interleukin 22	-0.84217 Inlier
siRNA Disorazole DMSO Run1	NM_0212 58	IL22RA1	receptor, alpha 1 interleukin 22	-0.70552 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0212 58	IL22RA1	receptor, alpha 1 interleukin 22	-0.64348 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0212 58	IL22RA1	receptor, alpha 1 interleukin 22	-0.010513 Inlier
siRNA Disorazole DMSO Run3	NM_0212 58	IL22RA1	receptor, alpha 1 interleukin 22	0.010513 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0212 58	IL22RA1	receptor, alpha 1	0.157002 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			interleukin 22	
siRNA Disorazole DMSO Run2	NM_0212 58	IL22RA1	receptor, alpha 1 interleukin 22	1.780912 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0212 58	IL22RA1	receptor, alpha 1 interleukin 22	1.958617 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0529 62	IL22RA2	receptor, alpha 2 interleukin 22	-0.82814 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0529 62	IL22RA2	receptor, alpha 2 interleukin 22	-0.823329 Inlier
siRNA Disorazole DMSO Run3	NM_0529 62	IL22RA2	receptor, alpha 2 interleukin 22	-0.362321 Inlier
siRNA Disorazole DMSO Run1	NM_0529 62	IL22RA2	receptor, alpha 2 interleukin 22	-0.281955 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0529 62	IL22RA2	receptor, alpha 2 interleukin 22	0.281955 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0529 62	IL22RA2	receptor, alpha 2 interleukin 22	0.525671 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0529 62	IL22RA2	receptor, alpha 2 interleukin 22	1.884465 Inlier
siRNA Disorazole DMSO Run2	NM_0529 62	IL22RA2	receptor, alpha 2 interleukin 22	2.317018 Inlier
siRNA-Vinblastine Run2- DMSO	NM_1447 01	IL23R	receptor interleukin 23	-0.774961 Inlier
siRNA-Temozolomide Run2- DMSO	NM_1447 01	IL23R	receptor interleukin 23	-0.719426 Inlier
siRNA Disorazole DMSO Run3	NM_1447 01	IL23R	receptor interleukin 23	-0.36526 Inlier
siRNA Disorazole DMSO Run1	NM_1447 01	IL23R	receptor	-0.31039 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology					
siRNA-Temozolomide Run3-DMSO	NM_1447 01	IL23R	interleukin 23 receptor	0.31039	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1447 01	IL23R	interleukin 23 receptor	0.629574	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1447 01	IL23R	interleukin 23 receptor	1.271206	Inlier
siRNA Disorazole DMSO Run2	NM_1447 01	IL23R	interleukin 23 receptor	1.750762	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0048 43	IL27RA	interleukin 27 receptor, alpha	-1.305506	Inlier
siRNA Disorazole DMSO Run1	NM_0048 43	IL27RA	interleukin 27 receptor, alpha	-0.468599	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0048 43	IL27RA	interleukin 27 receptor, alpha	-0.450581	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0048 43	IL27RA	interleukin 27 receptor, alpha	-0.013359	Inlier
siRNA Disorazole DMSO Run3	NM_0048 43	IL27RA	interleukin 27 receptor, alpha	0.013359	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0048 43	IL27RA	interleukin 27 receptor, alpha	0.880401	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0048 43	IL27RA	interleukin 27 receptor, alpha	2.61794	Inlier
siRNA Disorazole DMSO Run2	NM_0048 43	IL27RA	interleukin 27 receptor, alpha	2.699458	Inlier
siRNA Disorazole DMSO Run3	NM_1707 43	IL28RA	interleukin 28 receptor, alpha (interferon, lambda receptor)	-1.014305	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0004 17	IL2RA	interleukin 2 receptor, alpha	-2.055537	Inlier
siRNA Disorazole DMSO Run1	NM_0004 17	IL2RA	interleukin 2 receptor, alpha	-1.793786	Inlier
siRNA Disorazole DMSO Run3	NM_0004 17	IL2RA	interleukin 2 receptor, alpha	-0.509748	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0004 17	IL2RA	interleukin 2 receptor, alpha	-0.09998	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0004 17	IL2RA	interleukin 2 receptor, alpha	0.099981	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0004 17	IL2RA	interleukin 2 receptor, alpha	0.574477	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0004 17	IL2RA	interleukin 2 receptor, alpha	0.774523	Inlier
siRNA Disorazole DMSO Run2	NM_0004 17	IL2RA	interleukin 2 receptor, alpha	1.152831	Inlier
siRNA Disorazole DMSO Run1	NM_0008 78	IL2RB	interleukin 2 receptor, beta	-2.100361	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0008 78	IL2RB	interleukin 2 receptor, beta	-1.273327	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0008 78	IL2RB	interleukin 2 receptor, beta	-0.371316	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0008 78	IL2RB	interleukin 2 receptor, beta	-0.069319	Inlier
siRNA Disorazole DMSO Run3	NM_0008 78	IL2RB	interleukin 2 receptor, beta	0.069321	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_000878	IL2RB	interleukin 2 receptor, beta	0.167216	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000878	IL2RB	interleukin 2 receptor, beta	0.977684	Inlier
siRNA Disorazole DMSO Run2	NM_000878	IL2RB	interleukin 2 receptor, beta	2.346564	Inlier
siRNA Disorazole DMSO Run1	NM_000206	IL2RG	interleukin 2 receptor, gamma (severe combined immunodeficiency)	-1.306205	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000206	IL2RG	interleukin 2 receptor, gamma (severe combined immunodeficiency)	-0.679117	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000206	IL2RG	interleukin 2 receptor, gamma (severe combined immunodeficiency)	-0.669883	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000206	IL2RG	interleukin 2 receptor, gamma (severe combined immunodeficiency)	-0.452141	Inlier
siRNA Disorazole DMSO Run3	NM_000206	IL2RG	interleukin 2 receptor, gamma (severe combined immunodeficiency)	0.452141	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_000206	IL2RG	interleukin 2 receptor, gamma (severe combined immunodeficiency)	0.647044	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000206	IL2RG	interleukin 2 receptor, gamma (severe combined immunodeficiency)	1.742486	Inlier
siRNA Disorazole DMSO Run2	NM_000206	IL2RG	interleukin 2 receptor, gamma (severe combined immunodeficiency)	2.621543	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002183	IL3RA	interleukin 3 receptor, alpha (low affinity)	-1.715936	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002183	IL3RA	interleukin 3 receptor, alpha (low affinity)	-0.600328	Inlier
siRNA Disorazole DMSO Run1	NM_002183	IL3RA	interleukin 3 receptor, alpha (low affinity)	-0.338658	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002183	IL3RA	interleukin 3 receptor, alpha (low affinity)	-0.128422	Inlier
siRNA Disorazole DMSO Run3	NM_002183	IL3RA	interleukin 3 receptor, alpha (low affinity)	0.128423	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0021 83	IL3RA	interleukin 3 receptor, alpha (low affinity)	0.748672	Inlier
siRNA Disorazole DMSO Run2	NM_0021 83	IL3RA	interleukin 3 receptor, alpha (low affinity)	2.800721	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0021 83	IL3RA	interleukin 3 receptor, alpha (low affinity)	2.847159	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1723 74	IL4I1	interleukin 4 induced 1	-2.532229	Inlier
siRNA Disorazole DMSO Run1	NM_1723 74	IL4I1	interleukin 4 induced 1	-0.364074	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1723 74	IL4I1	interleukin 4 induced 1	-0.283654	Inlier
siRNA Disorazole DMSO Run3	NM_1723 74	IL4I1	interleukin 4 induced 1	-0.041442	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1723 74	IL4I1	interleukin 4 induced 1	0.041442	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1723 74	IL4I1	interleukin 4 induced 1	0.984926	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1723 74	IL4I1	interleukin 4 induced 1	1.5702	Inlier
siRNA Disorazole DMSO Run2	NM_1723 74	IL4I1	interleukin 4 induced 1	2.249122	Inlier
siRNA Disorazole DMSO Run1	NM_0010 08699	IL4R	interleukin 4 receptor	-0.923024	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 08699	IL4R	interleukin 4 receptor	-0.492322	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 08699	IL4R	interleukin 4 receptor	-0.24336	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 08699	IL4R	interleukin 4 receptor	-0.195285	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 08699	IL4R	interleukin 4 receptor	0.195285	Inlier
siRNA Disorazole DMSO Run3	NM_0010 08699	IL4R	interleukin 4 receptor	0.856678	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA Treatment	Gene ID	Gene Name	Gene Description	Value	Category
siRNA-Vinblastine Run1-DMSO	NM_001008699	IL4R	interleukin 4 receptor	1.560457	Inlier
siRNA Disorazole DMSO Run2	NM_001008699	IL4R	interleukin 4 receptor	1.856801	Inlier
siRNA-Temozolomide Run2-DMSO	NM_175728	IL5RA	interleukin 5 receptor, alpha	-1.776716	Inlier
siRNA-Temozolomide Run3-DMSO	NM_175728	IL5RA	interleukin 5 receptor, alpha	-1.01696	Inlier
siRNA Disorazole DMSO Run3	NM_175728	IL5RA	interleukin 5 receptor, alpha	-0.33204	Inlier
siRNA-Temozolomide Run1-DMSO	NM_175728	IL5RA	interleukin 5 receptor, alpha	-0.031978	Inlier
siRNA-Vinblastine Run2-DMSO	NM_175728	IL5RA	interleukin 5 receptor, alpha	0.031978	Inlier
siRNA Disorazole DMSO Run1	NM_175728	IL5RA	interleukin 5 receptor, alpha	0.267769	Inlier
siRNA Disorazole DMSO Run2	NM_175728	IL5RA	interleukin 5 receptor, alpha	1.418573	Inlier
siRNA-Vinblastine Run1-DMSO	NM_175728	IL5RA	interleukin 5 receptor, alpha	1.624507	Inlier
siRNA-Temozolomide Run1-DMSO	NM_181359	IL6R	interleukin 6 receptor	-1.014279	Inlier
siRNA-Temozolomide Run2-DMSO	NM_181359	IL6R	interleukin 6 receptor	-0.860824	Inlier
siRNA Disorazole DMSO Run1	NM_181359	IL6R	interleukin 6 receptor	-0.472725	Inlier
siRNA-Vinblastine Run2-DMSO	NM_181359	IL6R	interleukin 6 receptor	-0.229826	Inlier
siRNA-Temozolomide Run3-DMSO	NM_181359	IL6R	interleukin 6 receptor	0.229826	Inlier
siRNA Disorazole DMSO Run3	NM_181359	IL6R	interleukin 6 receptor	0.488176	Inlier
siRNA-Vinblastine Run1-DMSO	NM_181359	IL6R	interleukin 6 receptor	5.57703	Outlier
siRNA Disorazole DMSO Run2	NM_181359	IL6R	interleukin 6 receptor	6.572692	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log Fold Change	Classification
siRNA Disorazole DMSO Run1	NM_1757 67	IL6ST	interleukin 6 signal transducer (gp130, oncostatin M receptor)	-0.863768	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1757 67	IL6ST	interleukin 6 signal transducer (gp130, oncostatin M receptor)	-0.485232	Inlier
siRNA Disorazole DMSO Run3	NM_1757 67	IL6ST	interleukin 6 signal transducer (gp130, oncostatin M receptor)	-0.3732	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1757 67	IL6ST	interleukin 6 signal transducer (gp130, oncostatin M receptor)	-0.125003	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1757 67	IL6ST	interleukin 6 signal transducer (gp130, oncostatin M receptor)	0.125005	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1757 67	IL6ST	interleukin 6 signal transducer (gp130, oncostatin M receptor)	1.39503	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1757 67	IL6ST	interleukin 6 signal transducer (gp130, oncostatin M receptor)	3.745896	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			interleukin 6 signal transducer (gp130, oncostatin M	
siRNA Disorazole DMSO Run2	NM_1757 67	IL6ST	receptor)	4.754883 Outlier
siRNA-Vinblastine Run2- DMSO	NM_0021 85	IL7R	interleukin 7 receptor	-0.803785 Inlier
siRNA Disorazole DMSO Run1	NM_0021 85	IL7R	interleukin 7 receptor	-0.545215 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0021 85	IL7R	interleukin 7 receptor	-0.2634 Inlier
siRNA Disorazole DMSO Run3	NM_0021 85	IL7R	interleukin 7 receptor	-0.099785 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0021 85	IL7R	interleukin 7 receptor	0.099786 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0021 85	IL7R	interleukin 7 receptor	0.952495 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0021 85	IL7R	interleukin 7 receptor	0.976849 Inlier
siRNA Disorazole DMSO Run2	NM_0021 85	IL7R	interleukin 7 receptor	1.239312 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0006 34	IL8RA	interleukin 8 receptor, alpha	-0.747601 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0006 34	IL8RA	interleukin 8 receptor, alpha	-0.670331 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0006 34	IL8RA	interleukin 8 receptor, alpha	-0.337758 Inlier
siRNA Disorazole DMSO Run1	NM_0006 34	IL8RA	interleukin 8 receptor, alpha	-0.011582 Inlier
siRNA Disorazole DMSO Run2	NM_0006 34	IL8RA	interleukin 8 receptor, alpha	0.011582 Inlier
siRNA Disorazole DMSO Run3	NM_0006 34	IL8RA	interleukin 8 receptor, alpha	0.678669 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0006 34	IL8RA	interleukin 8 receptor, alpha	1.069342 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0006 34	IL8RA	interleukin 8 receptor, alpha	1.302844 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0015 57	IL8RB	interleukin 8 receptor, beta	-1.710577 Inlier
siRNA Disorazole DMSO Run2	NM_0015 57	IL8RB	interleukin 8 receptor, beta	-0.860504 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0015 57	IL8RB	interleukin 8 receptor, beta	-0.378329 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0015 57	IL8RB	interleukin 8 receptor, beta	-0.222016 Inlier
siRNA Disorazole DMSO Run1	NM_0015 57	IL8RB	interleukin 8 receptor, beta	0.222017 Inlier
siRNA Disorazole DMSO Run3	NM_0015 57	IL8RB	interleukin 8 receptor, beta	0.525661 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0015 57	IL8RB	interleukin 8 receptor, beta	0.823339 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0015 57	IL8RB	interleukin 8 receptor, beta	0.935064 Inlier
siRNA-Vinblastine Run2-DMSO	NM_1767 86	IL9R	interleukin 9 receptor	-1.484011 Inlier
siRNA Disorazole DMSO Run1	NM_1767 86	IL9R	interleukin 9 receptor	-0.679992 Inlier
siRNA-Temozolomide Run2-DMSO	NM_1767 86	IL9R	interleukin 9 receptor	-0.424343 Inlier
siRNA-Temozolomide Run1-DMSO	NM_1767 86	IL9R	interleukin 9 receptor	-0.228388 Inlier
siRNA-Temozolomide Run3-DMSO	NM_1767 86	IL9R	interleukin 9 receptor	0.228387 Inlier
siRNA Disorazole DMSO Run3	NM_1767 86	IL9R	interleukin 9 receptor	0.669008 Inlier
siRNA-Vinblastine Run1-DMSO	NM_1767 86	IL9R	interleukin 9 receptor	1.301138 Inlier
siRNA Disorazole DMSO Run2	NM_1767 86	IL9R	interleukin 9 receptor	1.642383 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_1759 24	ILDR1	immunogl obulin-like domain containing receptor 1	-2.622343	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1759 24	ILDR1	immunogl obulin-like domain containing receptor 1	-1.320191	Inlier
siRNA Disorazole DMSO Run2	NM_1759 24	ILDR1	immunogl obulin-like domain containing receptor 1	-0.406003	Inlier
siRNA Disorazole DMSO Run1	NM_1759 24	ILDR1	immunogl obulin-like domain containing receptor 1	-0.245265	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1759 24	ILDR1	immunogl obulin-like domain containing receptor 1	0.245265	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1759 24	ILDR1	immunogl obulin-like domain containing receptor 1	0.335945	Inlier
siRNA Disorazole DMSO Run3	NM_1759 24	ILDR1	immunogl obulin-like domain containing receptor 1	0.942997	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1759 24	ILDR1	immunogl obulin-like domain containing receptor 1	1.337795	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0045 15	ILF2	interleukin enhancer binding factor 2, 45kDa	-1.041509	Inlier
siRNA Disorazole DMSO Run1	NM_0045 15	ILF2	interleukin enhancer binding factor 2, 45kDa	-0.858141	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Accession	Protein	Weight	Log2FC	Outlier
siRNA Disorazole DMSO Run3	NM_0045	15	ILF2	45kDa	-0.490859	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0045	15	ILF2	45kDa	-0.126705	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0045	15	ILF2	45kDa	0.126705	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0045	15	ILF2	45kDa	0.224725	Inlier
siRNA Disorazole DMSO Run2	NM_0045	15	ILF2	45kDa	2.481479	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0045	15	ILF2	45kDa	2.63179	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010	14795	ILK	kinase	-0.989887	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010	14795	ILK	kinase	-0.778506	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010	14795	ILK	kinase	-0.551534	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010	14795	ILK	kinase	-0.427873	Inlier
siRNA Disorazole DMSO Run1	NM_0010	14795	ILK	kinase	0.427873	Inlier
siRNA Disorazole DMSO Run3	NM_0010	14795	ILK	kinase	0.570494	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010	14795	ILK	kinase	0.846858	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0010 14795	ILK	integrin-linked kinase	1.043387	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1767 99	ILKAP	integrin-linked kinase-associated serine/threonine phosphatase 2C	-1.649384	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1767 99	ILKAP	integrin-linked kinase-associated serine/threonine phosphatase 2C	-1.600712	Inlier
siRNA Disorazole DMSO Run2	NM_1767 99	ILKAP	integrin-linked kinase-associated serine/threonine phosphatase 2C	-0.935496	Inlier
siRNA Disorazole DMSO Run3	NM_1767 99	ILKAP	integrin-linked kinase-associated serine/threonine phosphatase 2C	-0.239686	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1767 99	ILKAP	integrin-linked kinase-associated serine/threonine phosphatase 2C	0.239687	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_1767 99	ILKAP	integrin-linked kinase-associated serine/threonine phosphatase 2C	0.517366	Inlier
siRNA Disorazole DMSO Run1	NM_1767 99	ILKAP	integrin-linked kinase-associated serine/threonine phosphatase 2C	0.519539	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1767 99	ILKAP	integrin-linked kinase-associated serine/threonine phosphatase 2C	0.829461	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0068 44	ILVBL	ilvB (bacterial acetolactate synthase)-like	-0.775276	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0068 44	ILVBL	ilvB (bacterial acetolactate synthase)-like	-0.748056	Inlier
siRNA Disorazole DMSO Run1	NM_0068 44	ILVBL	ilvB (bacterial acetolactate synthase)-like	-0.600944	Inlier
siRNA Disorazole DMSO Run3	NM_0068 44	ILVBL	ilvB (bacterial acetolactate synthase)-like	-0.145873	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			ilvB (bacterial acetolactat e synthase)- like	0.145873	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0068 44	ILVBL	ilvB (bacterial acetolactat e synthase)- like	0.381768	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0068 44	ILVBL	ilvB (bacterial acetolactat e synthase)- like	2.788134	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0068 44	ILVBL	ilvB (bacterial acetolactat e synthase)- like	3.053388	Inlier
siRNA Disorazole DMSO Run2	NM_0068 44	ILVBL	like	-1.348004	Inlier
siRNA Disorazole DMSO Run1	NM_1387 06	IMAGE:49 07098	IMAGE:49 07098	-0.66265	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1387 06	IMAGE:49 07098	IMAGE:49 07098	-0.265723	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1387 06	IMAGE:49 07098	IMAGE:49 07098	-0.225293	Inlier
siRNA Disorazole DMSO Run3	NM_1387 06	IMAGE:49 07098	IMAGE:49 07098	0.225293	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1387 06	IMAGE:49 07098	IMAGE:49 07098	0.68635	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1387 06	IMAGE:49 07098	IMAGE:49 07098	0.844497	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1387 06	IMAGE:49 07098	IMAGE:49 07098	1.214532	Inlier
siRNA Disorazole DMSO Run2	NM_1387 06	IMAGE:49 07098	IMAGE:49 07098		
			IMP2 inner mitochond rial membrane protease- like (S. cerevisiae)	-1.433241	Inlier
siRNA Disorazole DMSO Run1	NM_0325 49	IMMP2L			

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0325 49	IMMP2L	IMP2 inner mitochondrial membrane protease-like (S. cerevisiae)	-1.355398	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0325 49	IMMP2L	IMP2 inner mitochondrial membrane protease-like (S. cerevisiae)	-1.055235	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0325 49	IMMP2L	IMP2 inner mitochondrial membrane protease-like (S. cerevisiae)	-0.214367	Inlier
siRNA Disorazole DMSO Run2	NM_0325 49	IMMP2L	IMP2 inner mitochondrial membrane protease-like (S. cerevisiae)	0.214367	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0325 49	IMMP2L	IMP2 inner mitochondrial membrane protease-like (S. cerevisiae)	0.257516	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0325 49	IMMP2L	IMP2 inner mitochondrial membrane protease-like (S. cerevisiae)	0.293765	Inlier
siRNA Disorazole DMSO Run3	NM_0325 49	IMMP2L	IMP2 inner mitochondrial membrane protease-like (S. cerevisiae)	1.163749	Inlier
siRNA Disorazole DMSO Run2	NM_1758 82	IMP5	IMP5	-1.909027	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1758 82	IMP5	IMP5	-1.519559	Inlier
siRNA Disorazole DMSO Run1	NM_1758 82	IMP5	IMP5	-0.889828	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1758 82	IMP5	IMP5	-0.28652	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1758 82	IMP5	IMP5	0.28652	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1758 82	IMP5	IMP5	0.3998	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1758 82	IMP5	IMP5	0.459172	Inlier
siRNA Disorazole DMSO Run3	NM_1758 82	IMP5	IMP5	3.824639	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0055 36	IMPA1	inositol(myo)-1(or 4)-monophosphate 1	-0.980819	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0055 36	IMPA1	inositol(myo)-1(or 4)-monophosphate 1	-0.597677	Inlier
siRNA Disorazole DMSO Run2	NM_0055 36	IMPA1	inositol(myo)-1(or 4)-monophosphate 1	-0.324359	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0055 36	IMPA1	inositol(my o)-1(or 4)-monophosphate 1	-0.049252	Inlier
siRNA Disorazole DMSO Run3	NM_0055 36	IMPA1	inositol(my o)-1(or 4)-monophosphate 1	0.049253	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0055 36	IMPA1	inositol(my o)-1(or 4)-monophosphate 1	0.751323	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0055 36	IMPA1	inositol(my o)-1(or 4)-monophosphate 1	0.972637	Inlier
siRNA Disorazole DMSO Run1	NM_0055 36	IMPA1	inositol(my o)-1(or 4)-monophosphate 1	1.032591	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0142 14	IMPA2	inositol(my o)-1(or 4)-monophosphate 2	-0.763909	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0142 14	IMPA2	inositol(my o)-1(or 4)-monophosphate 2	-0.585091	Inlier
siRNA Disorazole DMSO Run3	NM_0142 14	IMPA2	inositol(my o)-1(or 4)-monophosphate 2	-0.205042	Inlier
siRNA Disorazole DMSO Run2	NM_0142 14	IMPA2	inositol(my o)-1(or 4)-monophosphate 2	-0.18432	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0142 14	IMPA2	inositol(my o)-1(or 4)-monophosphate 2	0.18432	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0142 14	IMPA2	inositol(my o)-1(or 4)- monophos phatase 2	0.846223	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0142 14	IMPA2	inositol(my o)-1(or 4)- monophos phatase 2	1.134487	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0142 14	IMPA2	inositol(my o)-1(or 4)- monophos phatase 2	1.24488	Inlier
siRNA Disorazole DMSO Run3	NM_0008 83	IMPDH1	IMP (inosine monophos phate) dehydroge nase 1	-0.717298	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0008 83	IMPDH1	IMP (inosine monophos phate) dehydroge nase 1	-0.679159	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0008 83	IMPDH1	IMP (inosine monophos phate) dehydroge nase 1	-0.669841	Inlier
siRNA Disorazole DMSO Run2	NM_0008 83	IMPDH1	IMP (inosine monophos phate) dehydroge nase 1	-0.059542	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0008 83	IMPDH1	IMP (inosine monophos phate) dehydroge nase 1	0.059542	Inlier
siRNA Disorazole DMSO Run1	NM_0008 83	IMPDH1	IMP (inosine monophos phate) dehydroge nase 1	0.358528	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_000883	IMPDH1	IMP (inosine monophosphate) dehydrogenase 1	0.923707	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000883	IMPDH1	IMP (inosine monophosphate) dehydrogenase 1	1.073508	Inlier
siRNA Disorazole DMSO Run1	NM_000884	IMPDH2	IMP (inosine monophosphate) dehydrogenase 2	-0.828444	Inlier
siRNA Disorazole DMSO Run2	NM_000884	IMPDH2	IMP (inosine monophosphate) dehydrogenase 2	-0.700203	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000884	IMPDH2	IMP (inosine monophosphate) dehydrogenase 2	-0.648797	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000884	IMPDH2	IMP (inosine monophosphate) dehydrogenase 2	-0.559772	Inlier
siRNA Disorazole DMSO Run3	NM_000884	IMPDH2	IMP (inosine monophosphate) dehydrogenase 2	0.559771	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000884	IMPDH2	IMP (inosine monophosphate) dehydrogenase 2	0.608505	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Enzyme	Value	Category
siRNA-Vinblastine Run1-DMSO	NM_000884	IMPDH2	IMP (inosine monophosphate) dehydrogenase 2	1.152079	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000884	IMPDH2	IMP (inosine monophosphate) dehydrogenase 2	1.310625	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002164	INDO	indoleamine 2,3-dioxygenase	-1.167953	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002164	INDO	indoleamine 2,3-dioxygenase	-0.781679	Inlier
siRNA Disorazole DMSO Run3	NM_002164	INDO	indoleamine 2,3-dioxygenase	-0.499006	Inlier
siRNA Disorazole DMSO Run1	NM_002164	INDO	indoleamine 2,3-dioxygenase	-0.203541	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002164	INDO	indoleamine 2,3-dioxygenase	0.203541	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002164	INDO	indoleamine 2,3-dioxygenase	0.567321	Inlier
siRNA Disorazole DMSO Run2	NM_002164	INDO	indoleamine 2,3-dioxygenase	3.176361	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002164	INDO	indoleamine 2,3-dioxygenase	4.959085	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1982 17	ING1	inhibitor of growth family, member 1	-1.896655	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1982 17	ING1	inhibitor of growth family, member 1	-1.224144	Inlier
siRNA Disorazole DMSO Run3	NM_1982 17	ING1	inhibitor of growth family, member 1	-0.54058	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1982 17	ING1	inhibitor of growth family, member 1	-0.168175	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1982 17	ING1	inhibitor of growth family, member 1	0.168175	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1982 17	ING1	inhibitor of growth family, member 1	0.567054	Inlier
siRNA Disorazole DMSO Run2	NM_1982 17	ING1	inhibitor of growth family, member 1	0.781946	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1982 17	ING1	inhibitor of growth family, member 1	1.249717	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0015 64	ING1L	inhibitor of growth family, member 2	-1.105938	Inlier
siRNA Disorazole DMSO Run3	NM_0015 64	ING1L	inhibitor of growth family, member 2	-0.972905	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0015 64	ING1L	inhibitor of growth family, member 2	-0.71049	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0015 64	ING1L	inhibitor of growth family, member 2	-0.193274	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0015 64	ING1L	inhibitor of growth family, member 2	0.193274	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0015 64	ING1L	inhibitor of growth family, member 2	0.337773	Inlier
siRNA Disorazole DMSO Run2	NM_0015 64	ING1L	inhibitor of growth family, member 2	0.63851	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0015 64	ING1L	inhibitor of growth family, member 2	0.921453	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0067 74	INMT	indolethylamine N-methyltransferase	-0.859247	Inlier
siRNA Disorazole DMSO Run1	NM_0067 74	INMT	indolethylamine N-methyltransferase	-0.621152	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0067 74	INMT	indolethylamine N-methyltransferase	-0.59758	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0067 74	INMT	indolethylamine N-methyltransferase	-0.348569	Inlier
siRNA Disorazole DMSO Run3	NM_0067 74	INMT	indolethylamine N-methyltransferase	0.348569	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0067 74	INMT	indolethylamine N-methyltransferase	0.727848	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0067 74	INMT	indolethylamine N-methyltransferase	1.541404	Inlier
siRNA Disorazole DMSO Run2	NM_0067 74	INMT	indolethylamine N-methyltransferase	1.762838	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0021 94	INPP1	inositol polyphosphate-1-phosphatase	-1.605515	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0021 94	INPP1	inositol polyphosphate-1-phosphatase	-0.677635	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0021 94	INPP1	inositol polyphosphate-1-phosphatase	-0.459155	Inlier
siRNA Disorazole DMSO Run1	NM_0021 94	INPP1	inositol polyphosphate-1-phosphatase	-0.384197	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0021 94	INPP1	inositol polyphosphate-1-phosphatase	0.384197	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0021 94	INPP1	inositol polyphosphate-1-phosphatase	0.671364	Inlier
siRNA Disorazole DMSO Run3	NM_0021 94	INPP1	inositol polyphosphate-1-phosphatase	0.689592	Inlier
siRNA Disorazole DMSO Run2	NM_0021 94	INPP1	inositol polyphosphate-1-phosphatase	0.939735	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0015 66	INPP4A	inositol polyphosphate-4-phosphatase, type I, 107kDa	-1.136148	Inlier
siRNA Disorazole DMSO Run2	NM_0015 66	INPP4A	inositol polyphosphate-4-phosphatase, type I, 107kDa	-0.744169	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log2 Fold Change	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_001566	INPP4A	inositol polyphosphate-4-phosphatase, type I, 107kDa	-0.434919	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001566	INPP4A	inositol polyphosphate-4-phosphatase, type I, 107kDa	-0.123937	Inlier
siRNA Disorazole DMSO Run1	NM_001566	INPP4A	inositol polyphosphate-4-phosphatase, type I, 107kDa	0.123937	Inlier
siRNA Disorazole DMSO Run3	NM_001566	INPP4A	inositol polyphosphate-4-phosphatase, type I, 107kDa	0.604831	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001566	INPP4A	inositol polyphosphate-4-phosphatase, type I, 107kDa	0.765255	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001566	INPP4A	inositol polyphosphate-4-phosphatase, type I, 107kDa	0.796705	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003866	INPP4B	inositol polyphosphate-4-phosphatase, type II, 105kDa	-2.672859	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003866	INPP4B	inositol polyphosphate-4-phosphatase, type II, 105kDa	-2.228578	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log2 Fold Change	Category
siRNA-Temozolomide Run1-DMSO	NM_003866	INPP4B	inositol polyphosphate-4-phosphatase, type II, 105kDa	-0.844841	Inlier
siRNA Disorazole DMSO Run3	NM_003866	INPP4B	inositol polyphosphate-4-phosphatase, type II, 105kDa	-0.018567	Inlier
siRNA Disorazole DMSO Run1	NM_003866	INPP4B	inositol polyphosphate-4-phosphatase, type II, 105kDa	0.018567	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003866	INPP4B	inositol polyphosphate-4-phosphatase, type II, 105kDa	0.478326	Inlier
siRNA Disorazole DMSO Run2	NM_003866	INPP4B	inositol polyphosphate-4-phosphatase, type II, 105kDa	0.504159	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003866	INPP4B	inositol polyphosphate-4-phosphatase, type II, 105kDa	1.047965	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005539	INPP5A	inositol polyphosphate-5-phosphatase, 40kDa	-0.751725	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005539	INPP5A	inositol polyphosphate-5-phosphatase, 40kDa	-0.72575	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0055 39	INPP5A	inositol polyphosph ate-5- phosphata se, 40kDa	-0.380089	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0055 39	INPP5A	inositol polyphosph ate-5- phosphata se, 40kDa	-0.039973	Inlier
siRNA Disorazole DMSO Run2	NM_0055 39	INPP5A	inositol polyphosph ate-5- phosphata se, 40kDa	0.039973	Inlier
siRNA Disorazole DMSO Run1	NM_0055 39	INPP5A	inositol polyphosph ate-5- phosphata se, 40kDa	0.62325	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0055 39	INPP5A	inositol polyphosph ate-5- phosphata se, 40kDa	0.812183	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0055 39	INPP5A	inositol polyphosph ate-5- phosphata se, 40kDa	1.354988	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0055 40	INPP5B	inositol polyphosph ate-5- phosphata se, 75kDa	-1.676527	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0055 40	INPP5B	inositol polyphosph ate-5- phosphata se, 75kDa	-1.302695	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0055 40	INPP5B	inositol polyphosp hate-5- phosphata se, 75kDa	-0.580267	Inlier
siRNA Disorazole DMSO Run2	NM_0055 40	INPP5B	inositol polyphosp hate-5- phosphata se, 75kDa	-0.398715	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0055 40	INPP5B	inositol polyphosp hate-5- phosphata se, 75kDa	0.398716	Inlier
siRNA Disorazole DMSO Run1	NM_0055 40	INPP5B	inositol polyphosp hate-5- phosphata se, 75kDa	0.537342	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0055 40	INPP5B	inositol polyphosp hate-5- phosphata se, 75kDa	0.768733	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0055 40	INPP5B	inositol polyphosp hate-5- phosphata se, 75kDa	1.782609	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0010 17915	INPP5D	inositol polyphosp hate-5- phosphata se, 145kDa	-0.728186	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0010 17915	INPP5D	inositol polyphosp hate-5- phosphata se, 145kDa	-0.620814	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Accession	Protein Name	MW	Log2FC	Category
siRNA-Temozolomide Run1-DMSO	NM_001017915	INPP5D	inositol polyphosphate-5-phosphatase,	145kDa	-0.153392	Inlier
siRNA Disorazole DMSO Run3	NM_001017915	INPP5D	inositol polyphosphate-5-phosphatase,	145kDa	-0.061667	Inlier
siRNA Disorazole DMSO Run2	NM_001017915	INPP5D	inositol polyphosphate-5-phosphatase,	145kDa	0.061667	Inlier
siRNA Disorazole DMSO Run1	NM_001017915	INPP5D	inositol polyphosphate-5-phosphatase,	145kDa	0.845236	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001017915	INPP5D	inositol polyphosphate-5-phosphatase,	145kDa	1.029934	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001017915	INPP5D	inositol polyphosphate-5-phosphatase,	145kDa	1.35882	Inlier
siRNA-Temozolomide Run2-DMSO	NM_019892	INPP5E	inositol polyphosphate-5-phosphatase,	72 kDa	-2.214679	Inlier
siRNA-Temozolomide Run3-DMSO	NM_019892	INPP5E	inositol polyphosphate-5-phosphatase,	72 kDa	-1.942265	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0198 92	INPP5E	inositol polyphosph hate-5- phosphata se, 72 kDa	-0.673605	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0198 92	INPP5E	inositol polyphosph hate-5- phosphata se, 72 kDa	-0.449314	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0198 92	INPP5E	inositol polyphosph hate-5- phosphata se, 72 kDa	0.449314	Inlier
siRNA Disorazole DMSO Run3	NM_0198 92	INPP5E	inositol polyphosph hate-5- phosphata se, 72 kDa	0.571675	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0198 92	INPP5E	inositol polyphosph hate-5- phosphata se, 72 kDa	0.675395	Inlier
siRNA Disorazole DMSO Run2	NM_0198 92	INPP5E	inositol polyphosph hate-5- phosphata se, 72 kDa	1.63434	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0015 67	INPPL1	inositol polyphosph hate phosphata se-like 1	-3.234244	Inlier
siRNA Disorazole DMSO Run2	NM_0015 67	INPPL1	inositol polyphosph hate phosphata se-like 1	-1.604263	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0015 67	INPPL1	inositol polyphosph hate phosphata se-like 1	-0.087745	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0015 67	INPPL1	inositol polyphosph hate phosphata se-like 1	-0.060471	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0015 67	INPPL1	inositol polyphosph hate phosphata se-like 1	0.060472	Inlier
siRNA Disorazole DMSO Run1	NM_0015 67	INPPL1	inositol polyphosph hate phosphata se-like 1	0.613785	Inlier
siRNA Disorazole DMSO Run3	NM_0015 67	INPPL1	inositol polyphosph hate phosphata se-like 1	0.735215	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0015 67	INPPL1	phosphata se-like 1	1.713674	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0002 08	INSR	insulin receptor	-1.74865	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0002 08	INSR	insulin receptor	-0.719707	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0002 08	INSR	insulin receptor	-0.629293	Inlier
siRNA Disorazole DMSO Run1	NM_0002 08	INSR	insulin receptor	-0.075011	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0002 08	INSR	insulin receptor	0.075011	Inlier
siRNA Disorazole DMSO Run3	NM_0002 08	INSR	insulin receptor	0.59015	Inlier
siRNA Disorazole DMSO Run2	NM_0002 08	INSR	insulin receptor	1.129128	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0002 08	INSR	insulin receptor	1.679131	Inlier
siRNA Disorazole DMSO Run3	NM_0142 15	INSRR	insulin receptor- related receptor insulin	-0.799385	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0142 15	INSRR	insulin receptor- related receptor	-0.728566	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

				insulin receptor- related	
siRNA Disorazole DMSO Run1	NM_0142 15	INSRR		receptor insulin	-0.620434 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0142 15	INSRR		receptor- related receptor insulin	-0.291457 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0142 15	INSRR		receptor- related receptor insulin	0.291457 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0142 15	INSRR		receptor- related receptor insulin	0.4962 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0142 15	INSRR		receptor- related receptor insulin	1.37242 Inlier
siRNA Disorazole DMSO Run2	NM_0142 15	INSRR		receptor- related receptor	1.449954 Inlier
siRNA Disorazole DMSO Run3	XM_29124 1	IPLA2(GA MMA)	IPLA2(GA MMA)		-1.010545 Inlier
siRNA-Temozolomide Run1- DMSO	XM_29124 1	IPLA2(GA MMA)	IPLA2(GA MMA)		-0.763159 Inlier
siRNA-Vinblastine Run2- DMSO	XM_29124 1	IPLA2(GA MMA)	IPLA2(GA MMA)		-0.585841 Inlier
siRNA-Temozolomide Run2- DMSO	XM_29124 1	IPLA2(GA MMA)	IPLA2(GA MMA)		-0.256771 Inlier
siRNA-Vinblastine Run1- DMSO	XM_29124 1	IPLA2(GA MMA)	IPLA2(GA MMA)		0.256771 Inlier
siRNA-Temozolomide Run3- DMSO	XM_29124 1	IPLA2(GA MMA)	IPLA2(GA MMA)		0.46692 Inlier
siRNA Disorazole DMSO Run1	XM_29124 1	IPLA2(GA MMA)	IPLA2(GA MMA)		0.885226 Inlier
siRNA Disorazole DMSO Run2	XM_29124 1	IPLA2(GA MMA)	IPLA2(GA MMA)		1.055523 Inlier
				inositol polyphosp hate	
siRNA Disorazole DMSO Run2	NM_1522 30	IPMK		multikinas e	-2.622471 Inlier
siRNA-Temozolomide Run1- DMSO	NM_1522 30	IPMK		inositol polyphosp hate multikinas e	-1.13842 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_1522 30	IPMK	inositol polyphosph hate multikinas e	-1.098832	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1522 30	IPMK	inositol polyphosph hate multikinas e	-0.224742	Inlier
siRNA Disorazole DMSO Run3	NM_1522 30	IPMK	inositol polyphosph hate multikinas e	0.224742	Inlier
siRNA Disorazole DMSO Run1	NM_1522 30	IPMK	inositol polyphosph hate multikinas e	0.569264	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1522 30	IPMK	inositol polyphosph hate multikinas e	0.574651	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1522 30	IPMK	inositol polyphosph hate multikinas e	0.774349	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0246 58	IPO4	importin 4	-1.307541	Inlier
siRNA Disorazole DMSO Run3	NM_0246 58	IPO4	importin 4	-0.684203	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0246 58	IPO4	importin 4	-0.4896	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0246 58	IPO4	importin 4	-0.028498	Inlier
siRNA Disorazole DMSO Run2	NM_0246 58	IPO4	importin 4	0.028498	Inlier
siRNA Disorazole DMSO Run1	NM_0246 58	IPO4	importin 4	0.664797	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0246 58	IPO4	importin 4	0.862187	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0246 58	IPO4	importin 4 IQ motif containing GTPase	1.737112	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0038 70	IQGAP1	activating protein 1	-1.160668	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0038 70	IQGAP1	IQ motif containing GTPase activating protein 1	-0.860964	Inlier
siRNA Disorazole DMSO Run3	NM_0038 70	IQGAP1	IQ motif containing GTPase activating protein 1	-0.385737	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0038 70	IQGAP1	IQ motif containing GTPase activating protein 1	-0.207183	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0038 70	IQGAP1	IQ motif containing GTPase activating protein 1	0.207183	Inlier
siRNA Disorazole DMSO Run1	NM_0038 70	IQGAP1	IQ motif containing GTPase activating protein 1	0.488036	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0038 70	IQGAP1	IQ motif containing GTPase activating protein 1	1.184477	Inlier
siRNA Disorazole DMSO Run2	NM_0038 70	IQGAP1	IQ motif containing GTPase activating protein 1	1.56085	Inlier
siRNA Disorazole DMSO Run3	NM_0066 33	IQGAP2	IQ motif containing GTPase activating protein 2	-0.861117	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0066 33	IQGAP2	IQ motif containing GTPase activating protein 2	-0.487883	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0066 33	IQGAP2	IQ motif containing GTPase activating protein 2	-0.284446	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0066 33	IQGAP2	IQ motif containing GTPase activating protein 2	-0.020587	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0066 33	IQGAP2	IQ motif containing GTPase activating protein 2	0.020586	Inlier
siRNA Disorazole DMSO Run1	NM_0066 33	IQGAP2	IQ motif containing GTPase activating protein 2	2.753752	Inlier
siRNA Disorazole DMSO Run2	NM_0066 33	IQGAP2	IQ motif containing GTPase activating protein 2	3.440976	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0066 33	IQGAP2	IQ motif containing GTPase activating protein 2	3.773987	Outlier
siRNA Disorazole DMSO Run3	NM_1782 29	IQGAP3	IQ motif containing GTPase activating protein 3	-0.776812	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1782 29	IQGAP3	IQ motif containing GTPase activating protein 3	-0.742244	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1782 29	IQGAP3	IQ motif containing GTPase activating protein 3	-0.358111	Inlier
siRNA Disorazole DMSO Run1	NM_1782 29	IQGAP3	IQ motif containing GTPase activating protein 3	-0.074317	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1782 29	IQGAP3	IQ motif containing GTPase activating protein 3	0.074317	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_1782 29	IQGAP3	IQ motif containing GTPase activating protein 3	0.606756	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1782 29	IQGAP3	IQ motif containing GTPase activating protein 3	0.882135	Inlier
siRNA Disorazole DMSO Run2	NM_1782 29	IQGAP3	IQ motif containing GTPase activating protein 3	0.913728	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 25243	IRAK1	interleukin-1 receptor-associated kinase 1	-1.260635	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 25243	IRAK1	interleukin-1 receptor-associated kinase 1	-1.147827	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 25243	IRAK1	interleukin-1 receptor-associated kinase 1	-0.436438	Inlier
siRNA Disorazole DMSO Run3	NM_0010 25243	IRAK1	interleukin-1 receptor-associated kinase 1	-0.046324	Inlier
siRNA Disorazole DMSO Run2	NM_0010 25243	IRAK1	interleukin-1 receptor-associated kinase 1	0.046324	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 25243	IRAK1	interleukin-1 receptor-associated kinase 1	0.59438	Inlier
siRNA Disorazole DMSO Run1	NM_0010 25243	IRAK1	interleukin-1 receptor-associated kinase 1	0.75462	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0010 25243	IRAK1	interleukin-1 receptor-associated kinase 1	0.94917	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0015 70	IRAK2	interleukin-1 receptor-associated kinase 2	-3.239783	Inlier
siRNA Disorazole DMSO Run2	NM_0015 70	IRAK2	interleukin-1 receptor-associated kinase 2	-3.235914	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0015 70	IRAK2	interleukin-1 receptor-associated kinase 2	-0.542153	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0015 70	IRAK2	interleukin-1 receptor-associated kinase 2	-0.190183	Inlier
siRNA Disorazole DMSO Run3	NM_0015 70	IRAK2	interleukin-1 receptor-associated kinase 2	0.190183	Inlier
siRNA Disorazole DMSO Run1	NM_0015 70	IRAK2	interleukin-1 receptor-associated kinase 2	0.249786	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0015 70	IRAK2	interleukin-1 receptor-associated kinase 2	0.806847	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0015 70	IRAK2	interleukin-1 receptor-associated kinase 2	2.980711	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0071 99	IRAK3	interleukin-1 receptor-associated kinase 3	-4.429146	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0071 99	IRAK3	interleukin-1 receptor-associated kinase 3	-0.684229	Inlier
siRNA Disorazole DMSO Run2	NM_0071 99	IRAK3	interleukin-1 receptor-associated kinase 3	-0.664771	Inlier
siRNA Disorazole DMSO Run3	NM_0071 99	IRAK3	interleukin-1 receptor-associated kinase 3	-0.005222	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0071 99	IRAK3	interleukin-1 receptor-associated kinase 3	0.005222	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0071 99	IRAK3	interleukin-1 receptor-associated kinase 3	0.588212	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0071 99	IRAK3	interleukin-1 receptor-associated kinase 3	1.080288	Inlier
siRNA Disorazole DMSO Run1	NM_0071 99	IRAK3	interleukin-1 receptor-associated kinase 3	1.701819	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0161 23	IRAK4	interleukin-1 receptor-associated kinase 4	-1.426394	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0161 23	IRAK4	interleukin-1 receptor-associated kinase 4	-0.812039	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0161 23	IRAK4	interleukin-1 receptor-associated kinase 4	-0.23064	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0161 23	IRAK4	interleukin-1 receptor-associated kinase 4	-0.121067	Inlier
siRNA Disorazole DMSO Run1	NM_0161 23	IRAK4	interleukin-1 receptor-associated kinase 4	0.121066	Inlier
siRNA Disorazole DMSO Run2	NM_0161 23	IRAK4	interleukin-1 receptor-associated kinase 4	0.536961	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0161 23	IRAK4	interleukin-1 receptor-associated kinase 4	1.261389	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0161 23	IRAK4	interleukin-1 receptor-associated kinase 4	1.646257	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1814 49	IREM2	CD300 antigen like family member E	-1.273044	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1814 49	IREM2	CD300 antigen like family member E	-0.804227	Inlier
siRNA Disorazole DMSO Run1	NM_1814 49	IREM2	CD300 antigen like family member E	-0.544773	Inlier
siRNA Disorazole DMSO Run3	NM_1814 49	IREM2	CD300 antigen like family member E	-0.031595	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1814 49	IREM2	CD300 antigen like family member E	0.031596	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_1814 49	IREM2	CD300 antigen like family member E	0.361808	Inlier
siRNA Disorazole DMSO Run2	NM_1814 49	IREM2	CD300 antigen like family member E	5.004722	Outlier
siRNA-Vinblastine Run1-DMSO	NM_1814 49	IREM2	CD300 antigen like family member E	5.488974	Outlier
siRNA Disorazole DMSO Run3	NM_0022 01	ISG20	interferon stimulated gene 20kDa	-1.620396	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0022 01	ISG20	interferon stimulated gene 20kDa	-1.006318	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0022 01	ISG20	interferon stimulated gene 20kDa	-0.464007	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0022 01	ISG20	interferon stimulated gene 20kDa	-0.010919	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0022 01	ISG20	interferon stimulated gene 20kDa	0.01092	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0022 01	ISG20	interferon stimulated gene 20kDa	0.624602	Inlier
siRNA Disorazole DMSO Run2	NM_0022 01	ISG20	interferon stimulated gene 20kDa	0.724398	Inlier
siRNA Disorazole DMSO Run1	NM_0022 01	ISG20	interferon stimulated gene 20kDa	1.228657	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0163 68	ISYNA1	ISYNA1	-0.88482	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0163 68	ISYNA1	ISYNA1	-0.65095	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Vinblastine Run2- DMSO	NM_0163 68	ISYNA1	ISYNA1	-0.079222	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0163 68	ISYNA1	ISYNA1	-0.019625	Inlier
siRNA Disorazole DMSO Run1	NM_0163 68	ISYNA1	ISYNA1	0.019625	Inlier
siRNA Disorazole DMSO Run3	NM_0163 68	ISYNA1	ISYNA1	0.69805	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0163 68	ISYNA1	ISYNA1	0.761012	Inlier
siRNA Disorazole DMSO Run2	NM_0163 68	ISYNA1	ISYNA1	0.932817	Inlier
siRNA Disorazole DMSO Run2	NM_0314 83	ITCH	itchy homolog E3 ubiquitin protein ligase (mouse)	-1.331071	Inlier
siRNA Disorazole DMSO Run3	NM_0314 83	ITCH	itchy homolog E3 ubiquitin protein ligase (mouse)	-0.877455	Inlier
siRNA Disorazole DMSO Run1	NM_0314 83	ITCH	itchy homolog E3 ubiquitin protein ligase (mouse)	-0.312847	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0314 83	ITCH	itchy homolog E3 ubiquitin protein ligase (mouse)	-0.040783	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0314 83	ITCH	itchy homolog E3 ubiquitin protein ligase (mouse)	0.040781	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			itchy homolog E3 ubiquitin protein ligase	
siRNA-Vinblastine Run2- DMSO	NM_0314 83	ITCH	(mouse)	0.471545 Inlier
			itchy homolog E3 ubiquitin protein ligase	
siRNA-Temozolomide Run1- DMSO	NM_0314 83	ITCH	(mouse)	2.050092 Inlier
			itchy homolog E3 ubiquitin protein ligase	
siRNA-Vinblastine Run1- DMSO	NM_0314 83	ITCH	(mouse)	5.709263 Outlier
siRNA-Temozolomide Run3- DMSO	NM_1815 01	ITGA1	integrin, alpha 1	-1.069614 Inlier
siRNA-Temozolomide Run2- DMSO	NM_1815 01	ITGA1	integrin, alpha 1	-0.848863 Inlier
siRNA-Vinblastine Run2- DMSO	NM_1815 01	ITGA1	integrin, alpha 1	-0.462864 Inlier
siRNA Disorazole DMSO Run3	NM_1815 01	ITGA1	integrin, alpha 1	-0.461548 Inlier
siRNA Disorazole DMSO Run1	NM_1815 01	ITGA1	integrin, alpha 1	0.461548 Inlier
siRNA-Temozolomide Run1- DMSO	NM_1815 01	ITGA1	integrin, alpha 1	0.500137 Inlier
siRNA-Vinblastine Run1- DMSO	NM_1815 01	ITGA1	integrin, alpha 1	1.994318 Inlier
siRNA Disorazole DMSO Run2	NM_1815 01	ITGA1	integrin, alpha 1	2.167845 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0036 37	ITGA10	integrin, alpha 10	-1.285047 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0036 37	ITGA10	integrin, alpha 10	-0.927775 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0036 37	ITGA10	integrin, alpha 10	-0.463345 Inlier
siRNA Disorazole DMSO Run3	NM_0036 37	ITGA10	integrin, alpha 10	-0.227324 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0036 37	ITGA10	integrin, alpha 10	0.227325 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0036 37	ITGA10	integrin, alpha 10	0.543236 Inlier
siRNA Disorazole DMSO Run1	NM_0036 37	ITGA10	integrin, alpha 10	0.805764 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology	NM_0036		integrin,	
siRNA Disorazole DMSO Run2	37	ITGA10	alpha 10	1.069896 Inlier
siRNA-Temozolomide Run3-	NM_0122		integrin,	
DMSO	11	ITGA11	alpha 11	-1.430663 Inlier
siRNA-Vinblastine Run2-	NM_0122		integrin,	
DMSO	11	ITGA11	alpha 11	-1.016697 Inlier
siRNA-Temozolomide Run2-	NM_0122		integrin,	
DMSO	11	ITGA11	alpha 11	-0.316192 Inlier
siRNA-Temozolomide Run1-	NM_0122		integrin,	
DMSO	11	ITGA11	alpha 11	-0.085166 Inlier
	NM_0122		integrin,	
siRNA Disorazole DMSO Run3	11	ITGA11	alpha 11	0.085166 Inlier
	NM_0122		integrin,	
siRNA Disorazole DMSO Run1	11	ITGA11	alpha 11	0.332303 Inlier
siRNA-Vinblastine Run1-	NM_0122		integrin,	
DMSO	11	ITGA11	alpha 11	2.252822 Inlier
	NM_0122		integrin,	
siRNA Disorazole DMSO Run2	11	ITGA11	alpha 11	2.566166 Inlier
			integrin,	
			alpha 2	
			(CD49B,	
			alpha 2	
			subunit of	
siRNA-Temozolomide Run2-	NM_0022		VLA-2	
DMSO	03	ITGA2	receptor)	-0.951346 Inlier
			integrin,	
			alpha 2	
			(CD49B,	
			alpha 2	
			subunit of	
siRNA-Temozolomide Run3-	NM_0022		VLA-2	
DMSO	03	ITGA2	receptor)	-0.830189 Inlier
			integrin,	
			alpha 2	
			(CD49B,	
			alpha 2	
			subunit of	
siRNA-Temozolomide Run1-	NM_0022		VLA-2	
DMSO	03	ITGA2	receptor)	-0.293501 Inlier
			integrin,	
			alpha 2	
			(CD49B,	
			alpha 2	
			subunit of	
	NM_0022		VLA-2	
siRNA Disorazole DMSO Run1	03	ITGA2	receptor)	-0.257489 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0022 03	ITGA2	integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor)	0.257489	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0022 03	ITGA2	integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor)	0.518811	Inlier
siRNA Disorazole DMSO Run2	NM_0022 03	ITGA2	integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor)	1.411577	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0022 03	ITGA2	integrin, alpha 2b (platelet glycoprotei n IIb of IIb/IIIa complex, antigen CD41B)	1.741928	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0004 19	ITGA2B	integrin, alpha 2b (platelet glycoprotei n IIb of IIb/IIIa complex, antigen CD41B)	-0.99412	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0004 19	ITGA2B	integrin, alpha 2b (platelet glycoprotei n IIb of IIb/IIIa complex, antigen CD41B)	-0.684491	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Log Fold Change	Outlier Status
siRNA-Temozolomide Run1-DMSO	NM_000419	ITGA2B	-0.081103	Inlier
siRNA Disorazole DMSO Run3	NM_000419	ITGA2B	-0.023556	Inlier
siRNA Disorazole DMSO Run1	NM_000419	ITGA2B	0.023556	Inlier
siRNA Disorazole DMSO Run2	NM_000419	ITGA2B	0.664509	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000419	ITGA2B	1.316605	Inlier

integrin, alpha 2b (platelet glycoprotein IIb of IIb/IIIa complex, antigen CD41B)

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_000419	ITGA2B	integrin, alpha 2b (platelet glycoprotein IIb of IIb/IIIa complex, antigen CD41B)	1.329993	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002204	ITGA3	integrin, alpha 3 (antigen CD49C, alpha 3 subunit of VLA-3 receptor)	-0.7895	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002204	ITGA3	integrin, alpha 3 (antigen CD49C, alpha 3 subunit of VLA-3 receptor)	-0.5595	Inlier
siRNA Disorazole DMSO Run3	NM_002204	ITGA3	integrin, alpha 3 (antigen CD49C, alpha 3 subunit of VLA-3 receptor)	-0.387058	Inlier
siRNA Disorazole DMSO Run1	NM_002204	ITGA3	integrin, alpha 3 (antigen CD49C, alpha 3 subunit of VLA-3 receptor)	-0.207519	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002204	ITGA3	integrin, alpha 3 (antigen CD49C, alpha 3 subunit of VLA-3 receptor)	0.207519	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_002204	ITGA3	integrin, alpha 3 (antigen CD49C, alpha 3 subunit of VLA-3 receptor)	1.367448	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002204	ITGA3	integrin, alpha 3 (antigen CD49C, alpha 3 subunit of VLA-3 receptor)	10.04125	Outlier
siRNA Disorazole DMSO Run2	NM_002204	ITGA3	integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4 receptor)	10.4236	Outlier
siRNA-Vinblastine Run2-DMSO	NM_000885	ITGA4	integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4 receptor)	-0.701365	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000885	ITGA4	integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4 receptor)	-0.647635	Inlier
siRNA Disorazole DMSO Run1	NM_000885	ITGA4	integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4 receptor)	-0.247297	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_000885	ITGA4	integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4 receptor)	-0.183344	Inlier
siRNA Disorazole DMSO Run3	NM_000885	ITGA4	integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4 receptor)	0.183344	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000885	ITGA4	integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4 receptor)	1.212539	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000885	ITGA4	integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4 receptor)	2.950203	Inlier
siRNA Disorazole DMSO Run2	NM_000885	ITGA4	integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4 receptor)	2.95237	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002205	ITGA5	integrin, alpha 5 (fibronectin receptor, alpha polypeptide)	-1.653205	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_002205	ITGA5	integrin, alpha 5 (fibronectin receptor, alpha polypeptide)	-0.722189	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002205	ITGA5	integrin, alpha 5 (fibronectin receptor, alpha polypeptide)	-0.626811	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002205	ITGA5	integrin, alpha 5 (fibronectin receptor, alpha polypeptide)	-0.223774	Inlier
siRNA Disorazole DMSO Run3	NM_002205	ITGA5	integrin, alpha 5 (fibronectin receptor, alpha polypeptide)	0.223774	Inlier
siRNA Disorazole DMSO Run1	NM_002205	ITGA5	integrin, alpha 5 (fibronectin receptor, alpha polypeptide)	0.313726	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002205	ITGA5	integrin, alpha 5 (fibronectin receptor, alpha polypeptide)	0.950637	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

			integrin, alpha 5 (fibronectin receptor, alpha polypeptide)	
siRNA Disorazole DMSO Run2	NM_0022 05	ITGA5		0.993128 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0002 10	ITGA6	integrin, alpha 6	-1.591697 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0002 10	ITGA6	integrin, alpha 6	-0.903577 Inlier
siRNA Disorazole DMSO Run3	NM_0002 10	ITGA6	integrin, alpha 6	-0.445423 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0002 10	ITGA6	integrin, alpha 6	-0.23438 Inlier
siRNA Disorazole DMSO Run1	NM_0002 10	ITGA6	integrin, alpha 6	0.23438 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0002 10	ITGA6	integrin, alpha 6	0.425533 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0002 10	ITGA6	integrin, alpha 6	1.082456 Inlier
siRNA Disorazole DMSO Run2	NM_0002 10	ITGA6	integrin, alpha 6	1.112583 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0022 06	ITGA7	integrin, alpha 7	-1.558001 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0022 06	ITGA7	integrin, alpha 7	-1.049184 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0022 06	ITGA7	integrin, alpha 7	-0.299816 Inlier
siRNA Disorazole DMSO Run3	NM_0022 06	ITGA7	integrin, alpha 7	-0.055305 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0022 06	ITGA7	integrin, alpha 7	0.055305 Inlier
siRNA Disorazole DMSO Run1	NM_0022 06	ITGA7	integrin, alpha 7	0.245843 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0022 06	ITGA7	integrin, alpha 7	1.113985 Inlier
siRNA Disorazole DMSO Run2	NM_0022 06	ITGA7	integrin, alpha 7	1.487203 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0022 07	ITGA9	integrin, alpha 9	-1.58097 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0022 07	ITGA9	integrin, alpha 9	-0.916546 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0022 07	ITGA9	integrin, alpha 9	-0.698642 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0022 07	ITGA9	integrin, alpha 9	-0.044782 Inlier
siRNA Disorazole DMSO Run3	NM_0022 07	ITGA9	integrin, alpha 9	0.044782 Inlier
siRNA Disorazole DMSO Run1	NM_0022 07	ITGA9	integrin, alpha 9	0.210761 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA Treatment	Gene ID	Gene Name	Log Fold Change	Classification
siRNA-Vinblastine Run1-DMSO	NM_002207	ITGA9	0.650358	Inlier
siRNA-Disorazole DMSO Run2	NM_002207	ITGA9	1.031039	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002208	ITGAE	-1.617152	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002208	ITGAE	-0.783339	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002208	ITGAE	-0.638951	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002208	ITGAE	-0.045414	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0022 08	ITGAE	integrin, alpha E (antigen CD103, human mucosal lymphocyt e antigen 1; alpha polypeptid e)	0.045414	Inlier
siRNA Disorazole DMSO Run1	NM_0022 08	ITGAE	integrin, alpha E (antigen CD103, human mucosal lymphocyt e antigen 1; alpha polypeptid e)	0.445398	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0022 08	ITGAE	integrin, alpha E (antigen CD103, human mucosal lymphocyt e antigen 1; alpha polypeptid e)	0.710048	Inlier
siRNA Disorazole DMSO Run2	NM_0022 08	ITGAE	integrin, alpha E (antigen CD103, human mucosal lymphocyt e antigen 1; alpha polypeptid e)	1.085652	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_002209	ITGAL	integrin, alpha L (antigen CD11A (p180), lymphocyte function-associated antigen 1; alpha polypeptide)	-0.809894	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002209	ITGAL	integrin, alpha L (antigen CD11A (p180), lymphocyte function-associated antigen 1; alpha polypeptide)	-0.793388	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002209	ITGAL	integrin, alpha L (antigen CD11A (p180), lymphocyte function-associated antigen 1; alpha polypeptide)	-0.160295	Inlier
siRNA Disorazole DMSO Run3	NM_002209	ITGAL	integrin, alpha L (antigen CD11A (p180), lymphocyte function-associated antigen 1; alpha polypeptide)	-0.063341	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0022 09	ITGAL	integrin, alpha L (antigen CD11A (p180), lymphocyt e function- associated antigen 1; alpha polypeptid e)	0.063341	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0022 09	ITGAL	integrin, alpha L (antigen CD11A (p180), lymphocyt e function- associated antigen 1; alpha polypeptid e)	0.555612	Inlier
siRNA Disorazole DMSO Run2	NM_0022 09	ITGAL	integrin, alpha L (antigen CD11A (p180), lymphocyt e function- associated antigen 1; alpha polypeptid e)	1.726491	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0022 09	ITGAL	integrin, alpha L (antigen CD11A (p180), lymphocyt e function- associated antigen 1; alpha polypeptid e)	2.540754	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_000632	ITGAM	integrin, alpha M (complement component receptor 3, alpha; also known as CD11b (p170), macrophage antigen alpha polypeptide)	-0.987627	Inlier
------------------------------	-----------	-------	--	-----------	--------

siRNA-Temozolomide Run2-DMSO	NM_000632	ITGAM	integrin, alpha M (complement component receptor 3, alpha; also known as CD11b (p170), macrophage antigen alpha polypeptide)	-0.82455	Inlier
------------------------------	-----------	-------	--	----------	--------

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_000632	ITGAM	integrin, alpha M (complement component receptor 3, alpha; also known as CD11b (p170), macrophage antigen alpha polypeptide)	-0.622698	Inlier
------------------------------	-----------	-------	--	-----------	--------

siRNA Disorazole DMSO Run3	NM_000632	ITGAM	integrin, alpha M (complement component receptor 3, alpha; also known as CD11b (p170), macrophage antigen alpha polypeptide)	-0.005142	Inlier
----------------------------	-----------	-------	--	-----------	--------

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0006 32	ITGAM	integrin, alpha M (complemen ent componen t receptor 3, alpha; also known as CD11b (p170), macrophage antigen alpha polypeptide)	0.005142	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0006 32	ITGAM	integrin, alpha M (complemen ent componen t receptor 3, alpha; also known as CD11b (p170), macrophage antigen alpha polypeptide)	0.517265	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0006 32	ITGAM	integrin, alpha M (complemen ent componen t receptor 3, alpha; also known as CD11b (p170), macrophage antigen alpha polypeptid e)	0.726302	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0006 32	ITGAM	integrin, alpha M (complemen ent componen t receptor 3, alpha; also known as CD11b (p170), macrophage antigen alpha polypeptid e)	1.211353	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0022 10	ITGAV	integrin, alpha V (vitronecti n receptor, alpha polypeptid e, antigen CD51)	-0.803682	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0022 10	ITGAV	integrin, alpha V (vitronectin receptor, alpha polypeptide, antigen CD51)	-0.545318	Inlier
siRNA Disorazole DMSO Run3	NM_0022 10	ITGAV	integrin, alpha V (vitronectin receptor, alpha polypeptide, antigen CD51)	-0.318987	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0022 10	ITGAV	integrin, alpha V (vitronectin receptor, alpha polypeptide, antigen CD51)	-0.121104	Inlier
siRNA Disorazole DMSO Run1	NM_0022 10	ITGAV	integrin, alpha V (vitronectin receptor, alpha polypeptide, antigen CD51)	0.121104	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0022 10	ITGAV	integrin, alpha V (vitronectin receptor, alpha polypeptide, antigen CD51)	2.159859	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0022 10	ITGAV	integrin, alpha V (vitronectin receptor, alpha polypeptide, antigen CD51)	9.311929	Outlier
siRNA-Vinblastine Run1- DMSO	NM_0022 10	ITGAV	integrin, alpha V (vitronectin receptor, alpha polypeptide, antigen CD51)	10.09203	Outlier
siRNA-Temozolomide Run3- DMSO	NM_0008 87	ITGAX	integrin, alpha X (antigen CD11C (p150), alpha polypeptide)	-1.450116	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0008 87	ITGAX	integrin, alpha X (antigen CD11C (p150), alpha polypeptide)	-0.7527	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0008 87	ITGAX	integrin, alpha X (antigen CD11C (p150), alpha polypeptide)	-0.5963	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0008 87	ITGAX	integrin, alpha X (antigen CD11C (p150), alpha polypeptide)	-0.128835	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0008 87	ITGAX	integrin, alpha X (antigen CD11C (p150), alpha polypeptid e)	0.128835	Inlier
siRNA Disorazole DMSO Run1	NM_0008 87	ITGAX	integrin, alpha X (antigen CD11C (p150), alpha polypeptid e)	0.187843	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0008 87	ITGAX	integrin, alpha X (antigen CD11C (p150), alpha polypeptid e)	0.827513	Inlier
siRNA Disorazole DMSO Run2	NM_0008 87	ITGAX	integrin, alpha X (antigen CD11C (p150), alpha polypeptid e)	1.5675	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0336 69	ITGB1	integrin, beta 1 (fibronecti n receptor, beta polypeptid e, antigen CD29 includes MDF2, MSK12)	-0.758375	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_033669	ITGB1	integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12)	-0.661361	Inlier
siRNA Disorazole DMSO Run3	NM_033669	ITGB1	integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12)	-0.147532	Inlier
siRNA-Vinblastine Run2-DMSO	NM_033669	ITGB1	integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12)	-0.064073	Inlier
siRNA-Temozolomide Run1-DMSO	NM_033669	ITGB1	integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12)	0.064073	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0336 69	ITGB1	integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12)	0.687639	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0336 69	ITGB1	integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12)	1.768976	Inlier
siRNA Disorazole DMSO Run2	NM_0336 69	ITGB1	integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12)	1.828022	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_000211	ITGB2	integrin, beta 2 (antigen CD18 (p95), lymphocyte function-associated antigen 1; macrophage antigen 1 (mac-1) beta subunit)	-0.828932	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000211	ITGB2	integrin, beta 2 (antigen CD18 (p95), lymphocyte function-associated antigen 1; macrophage antigen 1 (mac-1) beta subunit)	-0.774856	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000211	ITGB2	integrin, beta 2 (antigen CD18 (p95), lymphocyte function-associated antigen 1; macrophage antigen 1 (mac-1) beta subunit)	-0.602269	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_000211	ITGB2	integrin, beta 2 (antigen CD18 (p95), lymphocyte function-associated antigen 1; macrophage antigen 1 (mac-1) beta subunit)	-0.297238	Inlier
siRNA Disorazole DMSO Run3	NM_000211	ITGB2	integrin, beta 2 (antigen CD18 (p95), lymphocyte function-associated antigen 1; macrophage antigen 1 (mac-1) beta subunit)	0.297238	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000211	ITGB2	integrin, beta 2 (antigen CD18 (p95), lymphocyte function-associated antigen 1; macrophage antigen 1 (mac-1) beta subunit)	0.604568	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0002 11	ITGB2	integrin, beta 2 (antigen CD18 (p95), lymphocyt e function- associated antigen 1; macroph ge antigen 1 (mac-1) beta subunit)	0.744432 Inlier
siRNA Disorazole DMSO Run2	NM_0002 11	ITGB2	integrin, beta 2 (antigen CD18 (p95), lymphocyt e function- associated antigen 1; macroph ge antigen 1 (mac-1) beta subunit)	1.252078 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0002 12	ITGB3	integrin, beta 3 (platelet glycoprotei n IIIa, antigen CD61)	-0.816915 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0002 12	ITGB3	integrin, beta 3 (platelet glycoprotei n IIIa, antigen CD61)	-0.532085 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			integrin, beta 3 (platelet glycoprotei n IIIa, antigen CD61)	
siRNA-Vinblastine Run2- DMSO	NM_0002 12	ITGB3		-0.389281 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0002 12	ITGB3	integrin, beta 3 (platelet glycoprotei n IIIa, antigen CD61)	-0.073767 Inlier
siRNA Disorazole DMSO Run1	NM_0002 12	ITGB3	integrin, beta 3 (platelet glycoprotei n IIIa, antigen CD61)	0.073766 Inlier
siRNA Disorazole DMSO Run3	NM_0002 12	ITGB3	integrin, beta 3 (platelet glycoprotei n IIIa, antigen CD61)	1.062038 Inlier
siRNA Disorazole DMSO Run2	NM_0002 12	ITGB3	integrin, beta 3 (platelet glycoprotei n IIIa, antigen CD61)	5.441092 Outlier
siRNA-Vinblastine Run1- DMSO	NM_0002 12	ITGB3	antigen CD61)	7.33174 Outlier
siRNA-Temozolomide Run3- DMSO	NM_0010 05619	ITGB4	integrin, beta 4	-0.84838 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0010 05619	ITGB4	integrin, beta 4	-0.531508 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0010 05619	ITGB4	integrin, beta 4	-0.43038 Inlier
siRNA Disorazole DMSO Run3	NM_0010 05619	ITGB4	integrin, beta 4	-0.364047 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0010 05619	ITGB4	integrin, beta 4	0.364047 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_0010		integrin,		
siRNA Disorazole DMSO Run1	05619	ITGB4	beta 4	0.817492	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010		integrin,		
	05619	ITGB4	beta 4	1.645125	Inlier
siRNA Disorazole DMSO Run2	NM_0010		integrin,		
	05619	ITGB4	beta 4	1.656692	Inlier
			integrin		
			beta 4		
siRNA-Temozolomide Run3-DMSO	NM_1814	ITGB4BP	binding protein	-1.326424	Inlier
	68		integrin		
			beta 4		
siRNA-Temozolomide Run2-DMSO	NM_1814	ITGB4BP	binding protein	-0.982414	Inlier
	68		integrin		
			beta 4		
	NM_1814		binding protein		
siRNA Disorazole DMSO Run3	68	ITGB4BP	integrin	-0.601034	Inlier
			beta 4		
siRNA-Temozolomide Run1-DMSO	NM_1814	ITGB4BP	binding protein	-0.062337	Inlier
	68		integrin		
			beta 4		
siRNA-Vinblastine Run2-DMSO	NM_1814	ITGB4BP	binding protein	0.062337	Inlier
	68		integrin		
			beta 4		
	NM_1814		binding protein		
siRNA Disorazole DMSO Run1	68	ITGB4BP	integrin	0.293256	Inlier
			beta 4		
siRNA-Vinblastine Run1-DMSO	NM_1814	ITGB4BP	binding protein	0.747966	Inlier
	68		integrin		
			beta 4		
	NM_1814		binding protein		
siRNA Disorazole DMSO Run2	68	ITGB4BP	integrin,	1.460783	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0022	ITGB5	beta 5	-3.621485	Outlier
	13		integrin,		
siRNA-Temozolomide Run3-DMSO	NM_0022	ITGB5	beta 5	-2.4359	Inlier
	13		integrin,		
	NM_0022		beta 5		
siRNA Disorazole DMSO Run3	13	ITGB5	beta 5	-0.224856	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0022	ITGB5	integrin,	-0.134368	Inlier
	13		beta 5		
siRNA-Vinblastine Run2-DMSO	NM_0022	ITGB5	integrin,	0.134368	Inlier
	13		beta 5		
siRNA-Vinblastine Run1-DMSO	NM_0022	ITGB5	integrin,	0.601783	Inlier
	13		beta 5		
	NM_0022		integrin,		
siRNA Disorazole DMSO Run2	13	ITGB5	beta 5	0.747217	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_0022		integrin,	
siRNA Disorazole DMSO Run1	13	ITGB5	beta 5	1.432409 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0008		integrin,	
	88	ITGB6	beta 6	-1.541667 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0008		integrin,	
	88	ITGB6	beta 6	-0.795771 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0008		integrin,	
	88	ITGB6	beta 6	-0.596118 Inlier
	NM_0008		integrin,	
siRNA Disorazole DMSO Run3	88	ITGB6	beta 6	-0.042651 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0008		integrin,	
	88	ITGB6	beta 6	0.042651 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0008		integrin,	
	88	ITGB6	beta 6	0.143221 Inlier
	NM_0008		integrin,	
siRNA Disorazole DMSO Run2	88	ITGB6	beta 6	0.752882 Inlier
	NM_0008		integrin,	
siRNA Disorazole DMSO Run1	88	ITGB6	beta 6	0.899186 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0008		integrin,	
	89	ITGB7	beta 7	-0.985921 Inlier
	NM_0008		integrin,	
siRNA Disorazole DMSO Run3	89	ITGB7	beta 7	-0.701993 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0008		integrin,	
	89	ITGB7	beta 7	-0.498984 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0008		integrin,	
	89	ITGB7	beta 7	-0.336361 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0008		integrin,	
	89	ITGB7	beta 7	0.336361 Inlier
	NM_0008		integrin,	
siRNA Disorazole DMSO Run1	89	ITGB7	beta 7	0.647007 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0008		integrin,	
	89	ITGB7	beta 7	0.826591 Inlier
	NM_0008		integrin,	
siRNA Disorazole DMSO Run2	89	ITGB7	beta 7	1.326177 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0022		integrin,	
	14	ITGB8	beta 8	-1.706465 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0022		integrin,	
	14	ITGB8	beta 8	-0.486207 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0022		integrin,	
	14	ITGB8	beta 8	-0.313483 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0022		integrin,	
	14	ITGB8	beta 8	-0.065669 Inlier
	NM_0022		integrin,	
siRNA Disorazole DMSO Run3	14	ITGB8	beta 8	0.065668 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0022		integrin,	
	14	ITGB8	beta 8	0.862793 Inlier
	NM_0022		integrin,	
siRNA Disorazole DMSO Run2	14	ITGB8	beta 8	1.13052 Inlier
	NM_0022		integrin,	
siRNA Disorazole DMSO Run1	14	ITGB8	beta 8	1.150953 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0055 46	ITK	IL2-inducible T-cell kinase	-1.308629	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0055 46	ITK	IL2-inducible T-cell kinase	-1.287093	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0055 46	ITK	IL2-inducible T-cell kinase	-0.402437	Inlier
siRNA Disorazole DMSO Run3	NM_0055 46	ITK	IL2-inducible T-cell kinase	-0.118609	Inlier
siRNA Disorazole DMSO Run2	NM_0055 46	ITK	IL2-inducible T-cell kinase	0.118609	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0055 46	ITK	IL2-inducible T-cell kinase	0.608838	Inlier
siRNA Disorazole DMSO Run1	NM_0055 46	ITK	IL2-inducible T-cell kinase	0.740162	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0055 46	ITK	IL2-inducible T-cell kinase	2.111112	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0176 25	ITLN1	intelectin 1 (galactofuranose binding)	-0.951943	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0176 25	ITLN1	intelectin 1 (galactofuranose binding)	-0.65418	Inlier
siRNA Disorazole DMSO Run3	NM_0176 25	ITLN1	intelectin 1 (galactofuranose binding)	-0.449966	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0176 25	ITLN1	intelectin 1 (galactofuranose binding)	-0.329992	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0176 25	ITLN1	intelectin 1 (galactofur anose binding)	0.329992	Inlier
siRNA Disorazole DMSO Run2	NM_0176 25	ITLN1	intelectin 1 (galactofur anose binding)	0.69482	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0176 25	ITLN1	intelectin 1 (galactofur anose binding)	0.778779	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0176 25	ITLN1	intelectin 1 (galactofur anose binding)	1.381132	Inlier
siRNA Disorazole DMSO Run1	NM_0808 78	ITLN2	intelectin 2	-1.575791	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0808 78	ITLN2	intelectin 2	-1.086132	Inlier
siRNA Disorazole DMSO Run3	NM_0808 78	ITLN2	intelectin 2	-0.992056	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0808 78	ITLN2	intelectin 2	-0.242192	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0808 78	ITLN2	intelectin 2	0.242191	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0808 78	ITLN2	intelectin 2	0.309064	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0808 78	ITLN2	intelectin 2	0.356944	Inlier
siRNA Disorazole DMSO Run2	NM_0808 78	ITLN2	intelectin 2 inosine triphospha tase (nucleosid e triphospha te	1.587297	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0334 53	ITPA	pyrophosp hatase)	-1.714104	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0334 53	ITPA	inosine triphosphate (nucleoside triphosphate pyrophosphatase)	-1.422762	Inlier
siRNA Disorazole DMSO Run3	NM_0334 53	ITPA	inosine triphosphate (nucleoside triphosphate pyrophosphatase)	-1.007183	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0334 53	ITPA	inosine triphosphate (nucleoside triphosphate pyrophosphatase)	-0.134071	Inlier
siRNA Disorazole DMSO Run1	NM_0334 53	ITPA	inosine triphosphate (nucleoside triphosphate pyrophosphatase)	0.134071	Inlier
siRNA Disorazole DMSO Run2	NM_0334 53	ITPA	inosine triphosphate (nucleoside triphosphate pyrophosphatase)	0.286755	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_033453	ITPA	inosine triphosphatase (nucleoside triphosphate pyrophosphatase)	0.341817	Inlier
siRNA-Vinblastine Run2-DMSO	NM_033453	ITPA	inosine triphosphatase (nucleoside triphosphate pyrophosphatase)	1.187969	Inlier
siRNA-Temozolomide Run3-DMSO	NM_014216	ITPK1	inositol 1,3,4-triphosphate 5/6 kinase	-0.865241	Inlier
siRNA-Temozolomide Run2-DMSO	NM_014216	ITPK1	inositol 1,3,4-triphosphate 5/6 kinase	-0.538832	Inlier
siRNA-Temozolomide Run1-DMSO	NM_014216	ITPK1	inositol 1,3,4-triphosphate 5/6 kinase	-0.496015	Inlier
siRNA Disorazole DMSO Run1	NM_014216	ITPK1	inositol 1,3,4-triphosphate 5/6 kinase	-0.117251	Inlier
siRNA-Vinblastine Run1-DMSO	NM_014216	ITPK1	inositol 1,3,4-triphosphate 5/6 kinase	0.117252	Inlier
siRNA-Vinblastine Run2-DMSO	NM_014216	ITPK1	inositol 1,3,4-triphosphate 5/6 kinase	0.810168	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0142	16	ITPK1	inositol 1,3,4- triphospha te 5/6 kinase	1.869593	Inlier
siRNA Disorazole DMSO Run3	NM_0142	16	ITPK1	inositol 1,3,4- triphospha te 5/6 kinase	3.428004	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0022	20	ITPKA	inositol 1,4,5- trisphosph ate 3- kinase A	-0.972646	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0022	20	ITPKA	inositol 1,4,5- trisphosph ate 3- kinase A	-0.756674	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0022	20	ITPKA	inositol 1,4,5- trisphosph ate 3- kinase A	-0.551855	Inlier
siRNA Disorazole DMSO Run2	NM_0022	20	ITPKA	inositol 1,4,5- trisphosph ate 3- kinase A	-0.44125	Inlier
siRNA Disorazole DMSO Run1	NM_0022	20	ITPKA	inositol 1,4,5- trisphosph ate 3- kinase A	0.44125	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0022	20	ITPKA	inositol 1,4,5- trisphosph ate 3- kinase A	0.592326	Inlier
siRNA Disorazole DMSO Run3	NM_0022	20	ITPKA	inositol 1,4,5- trisphosph ate 3- kinase A	0.954176	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0022	20	ITPKA	inositol 1,4,5- trisphosph ate 3- kinase A	1.100928	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0022 21	ITPKB	inositol 1,4,5- trisphosph ate 3- kinase B	-4.172682 Outlier
siRNA Disorazole DMSO Run2	NM_0022 21	ITPKB	inositol 1,4,5- trisphosph ate 3- kinase B	-2.146744 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0022 21	ITPKB	inositol 1,4,5- trisphosph ate 3- kinase B	-0.866814 Inlier
siRNA Disorazole DMSO Run3	NM_0022 21	ITPKB	inositol 1,4,5- trisphosph ate 3- kinase B	-0.031206 Inlier
siRNA Disorazole DMSO Run1	NM_0022 21	ITPKB	inositol 1,4,5- trisphosph ate 3- kinase B	0.031206 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0022 21	ITPKB	inositol 1,4,5- trisphosph ate 3- kinase B	0.151971 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0022 21	ITPKB	inositol 1,4,5- trisphosph ate 3- kinase B	0.482185 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0022 21	ITPKB	inositol 1,4,5- trisphosph ate 3- kinase B	0.986592 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0251 94	ITPKC	inositol 1,4,5- trisphosph ate 3- kinase C	-1.669794 Inlier
siRNA Disorazole DMSO Run2	NM_0251 94	ITPKC	inositol 1,4,5- trisphosph ate 3- kinase C	-1.545527 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0251 94	ITPKC	inositol 1,4,5- trisphosph ate 3- kinase C	-0.36566	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0251 94	ITPKC	inositol 1,4,5- trisphosph ate 3- kinase C	-0.038145	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0251 94	ITPKC	inositol 1,4,5- trisphosph ate 3- kinase C	0.038145	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0251 94	ITPKC	inositol 1,4,5- trisphosph ate 3- kinase C	0.4041	Inlier
siRNA Disorazole DMSO Run3	NM_0251 94	ITPKC	inositol 1,4,5- trisphosph ate 3- kinase C	0.9449	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0251 94	ITPKC	inositol 1,4,5- trisphosph ate 3- kinase C	1.545647	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0022 22	ITPR1	inositol 1,4,5- triphospha te receptor, type 1	-4.838973	Outlier
siRNA-Temozolomide Run3- DMSO	NM_0022 22	ITPR1	inositol 1,4,5- triphospha te receptor, type 1	-1.653711	Inlier
siRNA Disorazole DMSO Run1	NM_0022 22	ITPR1	inositol 1,4,5- triphospha te receptor, type 1	-0.486476	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_002222	ITPR1	inositol 1,4,5-triphosphate receptor, type 1	-0.013691	Inlier
siRNA Disorazole DMSO Run3	NM_002222	ITPR1	inositol 1,4,5-triphosphate receptor, type 1	0.013691	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002222	ITPR1	inositol 1,4,5-triphosphate receptor, type 1	0.428935	Inlier
siRNA Disorazole DMSO Run2	NM_002222	ITPR1	inositol 1,4,5-triphosphate receptor, type 1	0.862524	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002222	ITPR1	inositol 1,4,5-triphosphate receptor, type 1	1.526478	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002223	ITPR2	inositol 1,4,5-triphosphate receptor, type 2	-1.011906	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002223	ITPR2	inositol 1,4,5-triphosphate receptor, type 2	-0.947091	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002223	ITPR2	inositol 1,4,5-triphosphate receptor, type 2	-0.697925	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0022 23	ITPR2	inositol 1,4,5- triphospha te receptor, type 2	-0.055629	Inlier
siRNA Disorazole DMSO Run1	NM_0022 23	ITPR2	inositol 1,4,5- triphospha te receptor, type 2	0.055629	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0022 23	ITPR2	inositol 1,4,5- triphospha te receptor, type 2	0.083681	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0022 23	ITPR2	inositol 1,4,5- triphospha te receptor, type 2	0.651075	Inlier
siRNA Disorazole DMSO Run2	NM_0022 23	ITPR2	inositol 1,4,5- triphospha te receptor, type 2	0.960352	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0022 24	ITPR3	inositol 1,4,5- triphospha te receptor, type 3	-1.368764	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0022 24	ITPR3	inositol 1,4,5- triphospha te receptor, type 3	-0.747759	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0022 24	ITPR3	inositol 1,4,5- triphospha te receptor, type 3	-0.601241	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0022 24	ITPR3	inositol 1,4,5- triphospha te receptor, type 3	-0.103945	Inlier
siRNA Disorazole DMSO Run1	NM_0022 24	ITPR3	inositol 1,4,5- triphospha te receptor, type 3	0.103945	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0022 24	ITPR3	inositol 1,4,5- triphospha te receptor, type 3	0.365529	Inlier
siRNA Disorazole DMSO Run2	NM_0022 24	ITPR3	inositol 1,4,5- triphospha te receptor, type 3	0.926968	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0022 24	ITPR3	inositol 1,4,5- triphospha te receptor, type 3 isovaleryl Coenzyme A	1.861191	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0022 25	IVD	dehydroge nase isovaleryl Coenzyme A	-0.920063	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0022 25	IVD	dehydroge nase isovaleryl Coenzyme A	-0.897274	Inlier
siRNA Disorazole DMSO Run3	NM_0022 25	IVD	dehydroge nase isovaleryl Coenzyme A	-0.451726	Inlier
siRNA Disorazole DMSO Run2	NM_0022 25	IVD	dehydroge nase	-0.200579	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0022 25	IVD	isovaleryl Coenzyme A dehydroge nase	0.200579	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0022 25	IVD	isovaleryl Coenzyme A dehydroge nase	0.418399	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0022 25	IVD	isovaleryl Coenzyme A dehydroge nase	1.176076	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0022 25	IVD	isovaleryl Coenzyme A dehydroge nase	1.274061	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0022 27	JAK1	Janus kinase 1 (a protein tyrosine kinase)	-1.666691	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0022 27	JAK1	Janus kinase 1 (a protein tyrosine kinase)	-0.36389	Inlier
siRNA Disorazole DMSO Run3	NM_0022 27	JAK1	Janus kinase 1 (a protein tyrosine kinase)	-0.3015	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0022 27	JAK1	Janus kinase 1 (a protein tyrosine kinase)	-0.157518	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0022 27	JAK1	Janus kinase 1 (a protein tyrosine kinase)	0.157518	Inlier
siRNA Disorazole DMSO Run2	NM_0022 27	JAK1	Janus kinase 1 (a protein tyrosine kinase)	0.98511	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log2 Fold Change	Outlier Status
siRNA Disorazole DMSO Run1	NM_0022 27	JAK1	Janus kinase 1 (a protein tyrosine kinase)	1.195432	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0022 27	JAK1	Janus kinase 1 (a protein tyrosine kinase)	1.479584	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0049 72	JAK2	Janus kinase 2 (a protein tyrosine kinase)	-1.464984	Inlier
siRNA Disorazole DMSO Run2	NM_0049 72	JAK2	Janus kinase 2 (a protein tyrosine kinase)	-0.60729	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0049 72	JAK2	Janus kinase 2 (a protein tyrosine kinase)	-0.19843	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0049 72	JAK2	Janus kinase 2 (a protein tyrosine kinase)	-0.185181	Inlier
siRNA Disorazole DMSO Run3	NM_0049 72	JAK2	Janus kinase 2 (a protein tyrosine kinase)	0.18518	Inlier
siRNA Disorazole DMSO Run1	NM_0049 72	JAK2	Janus kinase 2 (a protein tyrosine kinase)	0.74171	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0049 72	JAK2	Janus kinase 2 (a protein tyrosine kinase)	0.79859	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0049 72	JAK2	Janus kinase 2 (a protein tyrosine kinase)	1.55834	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_000215	JAK3	Janus kinase 3 (a protein tyrosine kinase, leukocyte)	-1.148603	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000215	JAK3	Janus kinase 3 (a protein tyrosine kinase, leukocyte)	-0.421032	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000215	JAK3	Janus kinase 3 (a protein tyrosine kinase, leukocyte)	-0.379809	Inlier
siRNA Disorazole DMSO Run2	NM_000215	JAK3	Janus kinase 3 (a protein tyrosine kinase, leukocyte)	-0.199993	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000215	JAK3	Janus kinase 3 (a protein tyrosine kinase, leukocyte)	0.199993	Inlier
siRNA Disorazole DMSO Run3	NM_000215	JAK3	Janus kinase 3 (a protein tyrosine kinase, leukocyte)	0.927968	Inlier
siRNA Disorazole DMSO Run1	NM_000215	JAK3	Janus kinase 3 (a protein tyrosine kinase, leukocyte)	0.981172	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0002 15	JAK3	Janus kinase 3 (a protein tyrosine kinase, leukocyte)	1.171902	Inlier
siRNA Disorazole DMSO Run2	NM_0162 81	JIK	TAO kinase 3	-6.952189	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0162 81	JIK	TAO kinase 3	-2.651117	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0162 81	JIK	TAO kinase 3	-0.560658	Inlier
siRNA Disorazole DMSO Run1	NM_0162 81	JIK	TAO kinase 3	-0.190101	Inlier
siRNA Disorazole DMSO Run3	NM_0162 81	JIK	TAO kinase 3	0.190101	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0162 81	JIK	TAO kinase 3	0.386154	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0162 81	JIK	TAO kinase 3	0.788342	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0162 81	JIK	TAO kinase 3	3.111851	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0042 41	JMJD1C	jumonji domain containing 1C	-4.282458	Outlier
siRNA-Temozolomide Run1-DMSO	NM_0042 41	JMJD1C	jumonji domain containing 1C	-0.709055	Inlier
siRNA Disorazole DMSO Run1	NM_0042 41	JMJD1C	jumonji domain containing 1C	-0.415626	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0042 41	JMJD1C	jumonji domain containing 1C	-0.284986	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0042 41	JMJD1C	jumonji domain containing 1C	0.284985	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0042 41	JMJD1C	jumonji domain containing 1C	0.639945	Inlier
siRNA Disorazole DMSO Run2	NM_0042 41	JMJD1C	jumonji domain containing 1C	2.448169	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene	Gene	Value	Category
siRNA Disorazole DMSO Run3	NM_0042 41	JMJD1C	jumonji domain containing 1C	8.531105	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0002 16	KAL1	Kallmann syndrome 1 sequence	-0.817416	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0002 16	KAL1	Kallmann syndrome 1 sequence	-0.807443	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0002 16	KAL1	Kallmann syndrome 1 sequence	-0.541557	Inlier
siRNA Disorazole DMSO Run1	NM_0002 16	KAL1	Kallmann syndrome 1 sequence	-0.135504	Inlier
siRNA Disorazole DMSO Run3	NM_0002 16	KAL1	Kallmann syndrome 1 sequence	0.135505	Inlier
siRNA Disorazole DMSO Run2	NM_0002 16	KAL1	Kallmann syndrome 1 sequence	0.476047	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0002 16	KAL1	Kallmann syndrome 1 sequence	1.019905	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0002 16	KAL1	Kallmann syndrome 1 sequence	1.158167	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0060 82	K-ALPHA-1	K-ALPHA-1	-1.191732	Inlier
siRNA Disorazole DMSO Run3	NM_0060 82	K-ALPHA-1	K-ALPHA-1	-0.833937	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0060 82	K-ALPHA-1	K-ALPHA-1	-0.377997	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0060 82	K-ALPHA-1	K-ALPHA-1	-0.001025	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0060 82	K-ALPHA-1	K-ALPHA-1	0.001025	Inlier
siRNA Disorazole DMSO Run1	NM_0060 82	K-ALPHA-1	K-ALPHA-1	0.515063	Inlier
siRNA Disorazole DMSO Run2	NM_0060 82	K-ALPHA-1	K-ALPHA-1	13.52092	Outlier
siRNA-Vinblastine Run1-DMSO	NM_0060 82	K-ALPHA-1	K-ALPHA-1	13.97989	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0055 48	KARS	lysyl-tRNA synthetase	-1.261124	Inlier
siRNA Disorazole DMSO Run3	NM_0055 48	KARS	lysyl-tRNA synthetase	-0.41389	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0055 48	KARS	lysyl-tRNA synthetase	-0.074753	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0055 48	KARS	lysyl-tRNA synthetase	-0.0323	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0055 48	KARS	lysyl-tRNA synthetase	0.032299	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0055 48	KARS	lysyl-tRNA synthetase	0.93511	Inlier
siRNA Disorazole DMSO Run2	NM_0055 48	KARS	lysyl-tRNA synthetase	1.061818	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0055 48	KARS	lysyl-tRNA synthetase	1.744403	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0002 17	KCNA1	potassium voltage- gated channel, shaker- related subfamily, member 1 (episodic ataxia with myokymia)	-1.144665	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_000217	KCNA1	potassium voltage-gated channel, shaker-related subfamily, member 1 (episodic ataxia with myokymia)	-0.905881	Inlier
siRNA Disorazole DMSO Run2	NM_000217	KCNA1	potassium voltage-gated channel, shaker-related subfamily, member 1 (episodic ataxia with myokymia)	-0.306343	Inlier
siRNA Disorazole DMSO Run3	NM_000217	KCNA1	potassium voltage-gated channel, shaker-related subfamily, member 1 (episodic ataxia with myokymia)	-0.212533	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000217	KCNA1	potassium voltage-gated channel, shaker-related subfamily, member 1 (episodic ataxia with myokymia)	0.212533	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0002 17	KCNA1	potassium voltage-gated channel, shaker-related subfamily, member 1 (episodic ataxia with myokymia)	0.443119	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0002 17	KCNA1	potassium voltage-gated channel, shaker-related subfamily, member 1 (episodic ataxia with myokymia)	1.197302	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0002 17	KCNA1	potassium voltage-gated channel, shaker-related subfamily, member 1 (episodic ataxia with myokymia)	1.644455	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0055 49	KCNA10	potassium voltage-gated channel, shaker-related subfamily, member 10	-1.930312	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0055 49	KCNA10	10	potassium voltage-gated channel, shaker-related subfamily, member	-0.930512	Inlier
siRNA Disorazole DMSO Run3	NM_0055 49	KCNA10	10	potassium voltage-gated channel, shaker-related subfamily, member	-0.675848	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0055 49	KCNA10	10	potassium voltage-gated channel, shaker-related subfamily, member	-0.124937	Inlier
siRNA Disorazole DMSO Run1	NM_0055 49	KCNA10	10	potassium voltage-gated channel, shaker-related subfamily, member	0.124937	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0055 49	KCNA10	10	potassium voltage-gated channel, shaker-related subfamily, member	0.462553	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0055 49	KCNA10	potassium voltage-gated channel, shaker-related subfamily, member 10	0.673152	Inlier
siRNA Disorazole DMSO Run2	NM_0055 49	KCNA10	potassium voltage-gated channel, shaker-related subfamily, member 10	0.750378	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0049 74	KCNA2	potassium voltage-gated channel, shaker-related subfamily, member 2	-1.298045	Inlier
siRNA Disorazole DMSO Run3	NM_0049 74	KCNA2	potassium voltage-gated channel, shaker-related subfamily, member 2	-0.99046	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0049 74	KCNA2	potassium voltage-gated channel, shaker-related subfamily, member 2	-0.622745	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0049 74	KCNA2	potassium voltage-gated channel, shaker-related subfamily, member 2	-0.034948	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0049 74	KCNA2	potassium voltage-gated channel, shaker-related subfamily, member 2	0.034948	Inlier
siRNA Disorazole DMSO Run2	NM_0049 74	KCNA2	potassium voltage-gated channel, shaker-related subfamily, member 2	0.138549	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0049 74	KCNA2	potassium voltage-gated channel, shaker-related subfamily, member 2	0.726255	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0049 74	KCNA2	potassium voltage-gated channel, shaker-related subfamily, member 2	0.833737	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0022 32	KCNA3	potassium voltage-gated channel, shaker-related subfamily, member 3	-1.317591	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0022 32	KCNA3	potassium voltage-gated channel, shaker-related subfamily, member 3	-1.046972	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0022 32	KCNA3	potassium voltage-gated channel, shaker-related subfamily, member 3	-0.455482	Inlier
siRNA Disorazole DMSO Run1	NM_0022 32	KCNA3	potassium voltage-gated channel, shaker-related subfamily, member 3	-0.03584	Inlier
siRNA Disorazole DMSO Run3	NM_0022 32	KCNA3	potassium voltage-gated channel, shaker-related subfamily, member 3	0.03584	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0022 32	KCNA3	potassium voltage-gated channel, shaker-related subfamily, member 3	0.665101	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0022 32	KCNA3	potassium voltage-gated channel, shaker-related subfamily, member 3	0.683899	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0022 32	KCNA3	potassium voltage-gated channel, shaker-related subfamily, member 3	1.406713	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0022 33	KCNA4	potassium voltage-gated channel, shaker-related subfamily, member 4	-0.938535	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0022 33	KCNA4	potassium voltage-gated channel, shaker-related subfamily, member 4	-0.815852	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0022 33	KCNA4	potassium voltage-gated channel, shaker-related subfamily, member 4	-0.533148	Inlier
siRNA Disorazole DMSO Run3	NM_0022 33	KCNA4	potassium voltage-gated channel, shaker-related subfamily, member 4	-0.053163	Inlier
siRNA Disorazole DMSO Run1	NM_0022 33	KCNA4	potassium voltage-gated channel, shaker-related subfamily, member 4	0.053163	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0022 33	KCNA4	potassium voltage-gated channel, shaker-related subfamily, member 4	0.402284	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0022 33	KCNA4	potassium voltage-gated channel, shaker-related subfamily, member 4	0.830388	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0022 33	KCNA4	potassium voltage-gated channel, shaker-related subfamily, member 4	0.882499	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0022 34	KCNA5	potassium voltage-gated channel, shaker-related subfamily, member 5	-2.044783	Inlier
siRNA Disorazole DMSO Run2	NM_0022 34	KCNA5	potassium voltage-gated channel, shaker-related subfamily, member 5	-0.709476	Inlier
siRNA Disorazole DMSO Run1	NM_0022 34	KCNA5	potassium voltage-gated channel, shaker-related subfamily, member 5	-0.428328	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0022 34	KCNA5	potassium voltage-gated channel, shaker-related subfamily, member 5	-0.008113	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_002234	KCNA5	potassium voltage-gated channel, shaker-related subfamily, member 5	0.008115	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002234	KCNA5	potassium voltage-gated channel, shaker-related subfamily, member 5	0.639524	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002234	KCNA5	potassium voltage-gated channel, shaker-related subfamily, member 5	1.074038	Inlier
siRNA Disorazole DMSO Run3	NM_002234	KCNA5	potassium voltage-gated channel, shaker-related subfamily, member 5	1.647801	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002235	KCNA6	potassium voltage-gated channel, shaker-related subfamily, member 6	-1.215751	Inlier
siRNA Disorazole DMSO Run2	NM_002235	KCNA6	potassium voltage-gated channel, shaker-related subfamily, member 6	-0.788639	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0022 35	KCNA6	potassium voltage-gated channel, shaker-related subfamily, member 6	-0.731406	Inlier
siRNA Disorazole DMSO Run3	NM_0022 35	KCNA6	potassium voltage-gated channel, shaker-related subfamily, member 6	-0.087263	Inlier
siRNA Disorazole DMSO Run1	NM_0022 35	KCNA6	potassium voltage-gated channel, shaker-related subfamily, member 6	0.087263	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0022 35	KCNA6	potassium voltage-gated channel, shaker-related subfamily, member 6	0.243967	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0022 35	KCNA6	potassium voltage-gated channel, shaker-related subfamily, member 6	0.617594	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0022 35	KCNA6	potassium voltage-gated channel, shaker-related subfamily, member 6	0.80923	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0318 86	KCNA7	potassium voltage-gated channel, shaker-related subfamily, member 7	-0.801351	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0318 86	KCNA7	potassium voltage-gated channel, shaker-related subfamily, member 7	-0.573008	Inlier
siRNA Disorazole DMSO Run3	NM_0318 86	KCNA7	potassium voltage-gated channel, shaker-related subfamily, member 7	-0.411434	Inlier
siRNA Disorazole DMSO Run2	NM_0318 86	KCNA7	potassium voltage-gated channel, shaker-related subfamily, member 7	-0.237733	Inlier
siRNA Disorazole DMSO Run1	NM_0318 86	KCNA7	potassium voltage-gated channel, shaker-related subfamily, member 7	0.237733	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0318 86	KCNA7	potassium voltage-gated channel, shaker-related subfamily, member 7	0.775992	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0318 86	KCNA7	potassium voltage-gated channel, shaker-related subfamily, member 7	0.789417	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0318 86	KCNA7	potassium voltage-gated channel, shaker-related subfamily, member 7	0.984126	Inlier
siRNA Disorazole DMSO Run2	NM_1721 59	KCNAB1	potassium voltage-gated channel, shaker-related subfamily, beta member 1	-1.324932	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1721 59	KCNAB1	potassium voltage-gated channel, shaker-related subfamily, beta member 1	-1.265366	Inlier
siRNA Disorazole DMSO Run3	NM_1721 59	KCNAB1	potassium voltage-gated channel, shaker-related subfamily, beta member 1	-0.794742	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1721 59	KCNAB1	potassium voltage-gated channel, shaker-related subfamily, beta member 1	-0.359539	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Gene Name	Description	Score	Category
siRNA-Temozolomide Run1-DMSO	NM_1721	59	KCNAB1	potassium voltage-gated channel, shaker-related subfamily, beta member 1	0.359539	Inlier
siRNA Disorazole DMSO Run1	NM_1721	59	KCNAB1	potassium voltage-gated channel, shaker-related subfamily, beta member 1	0.401978	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1721	59	KCNAB1	potassium voltage-gated channel, shaker-related subfamily, beta member 1	0.554258	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1721	59	KCNAB1	potassium voltage-gated channel, shaker-related subfamily, beta member 1	0.872453	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1721	30	KCNAB2	potassium voltage-gated channel, shaker-related subfamily, beta member 2	-3.932552	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Name	Log Fold Change	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_1721	KCNAB2	potassium voltage-gated channel, shaker-related subfamily, beta member 2	-2.667016	Inlier
siRNA Disorazole DMSO Run1	NM_1721	KCNAB2	potassium voltage-gated channel, shaker-related subfamily, beta member 2	-1.215425	Inlier
siRNA Disorazole DMSO Run2	NM_1721	KCNAB2	potassium voltage-gated channel, shaker-related subfamily, beta member 2	-0.120889	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1721	KCNAB2	potassium voltage-gated channel, shaker-related subfamily, beta member 2	0.120892	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1721	KCNAB2	potassium voltage-gated channel, shaker-related subfamily, beta member 2	0.127884	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_1721 30	KCNAB2	potassium voltage-gated channel, shaker-related subfamily, beta member 2	0.133575	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1721 30	KCNAB2	potassium voltage-gated channel, shaker-related subfamily, beta member 2	1.721034	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0047 32	KCNAB3	potassium voltage-gated channel, shaker-related subfamily, beta member 3	-0.843101	Inlier
siRNA Disorazole DMSO Run2	NM_0047 32	KCNAB3	potassium voltage-gated channel, shaker-related subfamily, beta member 3	-0.732239	Inlier
siRNA Disorazole DMSO Run3	NM_0047 32	KCNAB3	potassium voltage-gated channel, shaker-related subfamily, beta member 3	-0.616761	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Value	Category
siRNA-Temozolomide Run2-DMSO	NM_004732	KCNAB3	potassium voltage-gated channel, shaker-related subfamily, beta member 3	-0.193945	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004732	KCNAB3	potassium voltage-gated channel, shaker-related subfamily, beta member 3	0.193946	Inlier
siRNA Disorazole DMSO Run1	NM_004732	KCNAB3	potassium voltage-gated channel, shaker-related subfamily, beta member 3	0.281097	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004732	KCNAB3	potassium voltage-gated channel, shaker-related subfamily, beta member 3	0.88539	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004732	KCNAB3	potassium voltage-gated channel, shaker-related subfamily, beta member 3	1.048775	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0049 75	KCNB1	potassium voltage-gated channel, Shab-related subfamily, member 1	-0.852388	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0049 75	KCNB1	potassium voltage-gated channel, Shab-related subfamily, member 1	-0.802258	Inlier
siRNA Disorazole DMSO Run1	NM_0049 75	KCNB1	potassium voltage-gated channel, Shab-related subfamily, member 1	-0.658618	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0049 75	KCNB1	potassium voltage-gated channel, Shab-related subfamily, member 1	-0.299377	Inlier
siRNA Disorazole DMSO Run2	NM_0049 75	KCNB1	potassium voltage-gated channel, Shab-related subfamily, member 1	0.299378	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0049 75	KCNB1	potassium voltage-gated channel, Shab-related subfamily, member 1	0.442476	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_004975	KCNB1	potassium voltage-gated channel, Shab-related subfamily, member 1	0.690382	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004975	KCNB1	potassium voltage-gated channel, Shab-related subfamily, member 1	0.814642	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004770	KCNB2	potassium voltage-gated channel, Shab-related subfamily, member 2	-1.987814	Inlier
siRNA Disorazole DMSO Run1	NM_004770	KCNB2	potassium voltage-gated channel, Shab-related subfamily, member 2	-0.847759	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004770	KCNB2	potassium voltage-gated channel, Shab-related subfamily, member 2	-0.345037	Inlier
siRNA Disorazole DMSO Run3	NM_004770	KCNB2	potassium voltage-gated channel, Shab-related subfamily, member 2	-0.095337	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0047 70	KCNB2	potassium voltage-gated channel, Shab-related subfamily, member 2	0.095337	Inlier
siRNA Disorazole DMSO Run2	NM_0047 70	KCNB2	potassium voltage-gated channel, Shab-related subfamily, member 2	0.501241	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0047 70	KCNB2	potassium voltage-gated channel, Shab-related subfamily, member 2	0.934898	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0047 70	KCNB2	potassium voltage-gated channel, Shaw-related subfamily, member 2	2.509799	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0049 76	KCNC1	potassium voltage-gated channel, Shaw-related subfamily, member 1	-0.879055	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0049 76	KCNC1	potassium voltage-gated channel, Shaw-related subfamily, member 1	-0.830937	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0049 76	KCNC1	potassium voltage-gated channel, Shaw-related subfamily, member 1	-0.518063	Inlier
siRNA Disorazole DMSO Run3	NM_0049 76	KCNC1	potassium voltage-gated channel, Shaw-related subfamily, member 1	-0.01351	Inlier
siRNA Disorazole DMSO Run1	NM_0049 76	KCNC1	potassium voltage-gated channel, Shaw-related subfamily, member 1	0.01351	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0049 76	KCNC1	potassium voltage-gated channel, Shaw-related subfamily, member 1	0.022968	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0049 76	KCNC1	potassium voltage-gated channel, Shaw-related subfamily, member 1	1.290763	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0049 76	KCNC1	potassium voltage-gated channel, Shaw-related subfamily, member 1	1.331644	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_1537 48	KCNC2	potassium voltage-gated channel, Shaw-related subfamily, member 2	-1.157	Inlier
siRNA Disorazole DMSO Run3	NM_1537 48	KCNC2	potassium voltage-gated channel, Shaw-related subfamily, member 2	-0.688028	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1537 48	KCNC2	potassium voltage-gated channel, Shaw-related subfamily, member 2	-0.494458	Inlier
siRNA Disorazole DMSO Run1	NM_1537 48	KCNC2	potassium voltage-gated channel, Shaw-related subfamily, member 2	-0.400948	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1537 48	KCNC2	potassium voltage-gated channel, Shaw-related subfamily, member 2	0.400948	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1537 48	KCNC2	potassium voltage-gated channel, Shaw-related subfamily, member 2	0.660972	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_1537 48	KCNC2	potassium voltage-gated channel, Shaw-related subfamily, member 2	1.164737	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1537 48	KCNC2	potassium voltage-gated channel, Shaw-related subfamily, member 2	2.073818	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0049 77	KCNC3	potassium voltage-gated channel, Shaw-related subfamily, member 3	-2.972522	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0049 77	KCNC3	potassium voltage-gated channel, Shaw-related subfamily, member 3	-2.107266	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0049 77	KCNC3	potassium voltage-gated channel, Shaw-related subfamily, member 3	-0.051423	Inlier
siRNA Disorazole DMSO Run1	NM_0049 77	KCNC3	potassium voltage-gated channel, Shaw-related subfamily, member 3	-0.017227	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0049 77	KCNC3	potassium voltage-gated channel, Shaw-related subfamily, member 3	0.017227	Inlier
siRNA Disorazole DMSO Run2	NM_0049 77	KCNC3	potassium voltage-gated channel, Shaw-related subfamily, member 3	0.545452	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0049 77	KCNC3	potassium voltage-gated channel, Shaw-related subfamily, member 3	0.803548	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0049 77	KCNC3	potassium voltage-gated channel, Shaw-related subfamily, member 3	2.389048	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0049 78	KCNC4	potassium voltage-gated channel, Shaw-related subfamily, member 4	-1.14788	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0049 78	KCNC4	potassium voltage-gated channel, Shaw-related subfamily, member 4	-0.20112	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Annotation	Value	Category
siRNA Disorazole DMSO Run1	NM_004978	KCNC4	potassium voltage-gated channel, Shaw-related subfamily, member 4	-0.069099	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004978	KCNC4	potassium voltage-gated channel, Shaw-related subfamily, member 4	-0.031062	Inlier
siRNA Disorazole DMSO Run2	NM_004978	KCNC4	potassium voltage-gated channel, Shaw-related subfamily, member 4	0.031064	Inlier
siRNA Disorazole DMSO Run3	NM_004978	KCNC4	potassium voltage-gated channel, Shaw-related subfamily, member 4	1.632873	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004978	KCNC4	potassium voltage-gated channel, Shaw-related subfamily, member 4	3.117544	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004978	KCNC4	potassium voltage-gated channel, Shaw-related subfamily, member 4	6.531421	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_004979	KCND1	potassium voltage-gated channel, Shal-related subfamily, member 1	-2.41202	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004979	KCND1	potassium voltage-gated channel, Shal-related subfamily, member 1	-0.522938	Inlier
siRNA Disorazole DMSO Run1	NM_004979	KCND1	potassium voltage-gated channel, Shal-related subfamily, member 1	-0.407736	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004979	KCND1	potassium voltage-gated channel, Shal-related subfamily, member 1	-0.073149	Inlier
siRNA Disorazole DMSO Run3	NM_004979	KCND1	potassium voltage-gated channel, Shal-related subfamily, member 1	0.073149	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004979	KCND1	potassium voltage-gated channel, Shal-related subfamily, member 1	0.826062	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0049 79	KCND1	potassium voltage-gated channel, Shal-related subfamily, member 1	1.253967	Inlier
siRNA Disorazole DMSO Run2	NM_0049 79	KCND1	potassium voltage-gated channel, Shal-related subfamily, member 1	1.478524	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0122 81	KCND2	potassium voltage-gated channel, Shal-related subfamily, member 2	-0.840148	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0122 81	KCND2	potassium voltage-gated channel, Shal-related subfamily, member 2	-0.620919	Inlier
siRNA Disorazole DMSO Run3	NM_0122 81	KCND2	potassium voltage-gated channel, Shal-related subfamily, member 2	-0.279559	Inlier
siRNA Disorazole DMSO Run1	NM_0122 81	KCND2	potassium voltage-gated channel, Shal-related subfamily, member 2	-0.140329	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0122 81	KCND2	potassium voltage-gated channel, Shal-related subfamily, member 2	0.140329	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0122 81	KCND2	potassium voltage-gated channel, Shal-related subfamily, member 2	0.728081	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0122 81	KCND2	potassium voltage-gated channel, Shal-related subfamily, member 2	0.808776	Inlier
siRNA Disorazole DMSO Run2	NM_0122 81	KCND2	potassium voltage-gated channel, Shal-related subfamily, member 2	1.264008	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1721 98	KCND3	potassium voltage-gated channel, Shal-related subfamily, member 3	-1.499533	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1721 98	KCND3	potassium voltage-gated channel, Shal-related subfamily, member 3	-0.678788	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_1721 98	KCND3	potassium voltage-gated channel, Shal-related subfamily, member 3	-0.670212	Inlier
siRNA Disorazole DMSO Run3	NM_1721 98	KCND3	potassium voltage-gated channel, Shal-related subfamily, member 3	-0.308662	Inlier
siRNA Disorazole DMSO Run2	NM_1721 98	KCND3	potassium voltage-gated channel, Shal-related subfamily, member 3	0.308662	Inlier
siRNA Disorazole DMSO Run1	NM_1721 98	KCND3	potassium voltage-gated channel, Shal-related subfamily, member 3	0.512658	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1721 98	KCND3	potassium voltage-gated channel, Shal-related subfamily, member 3	1.759227	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1721 98	KCND3	potassium voltage-gated channel, Shal-related subfamily, member 3	2.06791	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_000219	KCNE1	potassium voltage-gated channel, Isk-related family, member 1	-1.151215	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000219	KCNE1	potassium voltage-gated channel, Isk-related family, member 1	-0.721912	Inlier
siRNA Disorazole DMSO Run1	NM_000219	KCNE1	potassium voltage-gated channel, Isk-related family, member 1	-0.627088	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000219	KCNE1	potassium voltage-gated channel, Isk-related family, member 1	-0.25999	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000219	KCNE1	potassium voltage-gated channel, Isk-related family, member 1	0.25999	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000219	KCNE1	potassium voltage-gated channel, Isk-related family, member 1	0.565386	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0002 19	KCNE1	potassium voltage-gated channel, Isk-related family, member 1	1.496438	Inlier
siRNA Disorazole DMSO Run2	NM_0002 19	KCNE1	potassium voltage-gated channel, Isk-related family, member 1	1.518962	Inlier
siRNA Disorazole DMSO Run2	NM_1722 01	KCNE2	potassium voltage-gated channel, Isk-related family, member 2	-1.013956	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1722 01	KCNE2	potassium voltage-gated channel, Isk-related family, member 2	-0.880469	Inlier
siRNA Disorazole DMSO Run3	NM_1722 01	KCNE2	potassium voltage-gated channel, Isk-related family, member 2	-0.340574	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1722 01	KCNE2	potassium voltage-gated channel, Isk-related family, member 2	-0.19188	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_1722 01	KCNE2	potassium voltage-gated channel, Isk-related family, member 2	0.19188	Inlier
siRNA Disorazole DMSO Run1	NM_1722 01	KCNE2	potassium voltage-gated channel, Isk-related family, member 2	0.468531	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1722 01	KCNE2	potassium voltage-gated channel, Isk-related family, member 2	1.538809	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1722 01	KCNE2	potassium voltage-gated channel, Isk-related family, member 2	1.673449	Inlier
siRNA Disorazole DMSO Run2	NM_0054 72	KCNE3	potassium voltage-gated channel, Isk-related family, member 3	-1.296441	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0054 72	KCNE3	potassium voltage-gated channel, Isk-related family, member 3	-0.747775	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0054 72	KCNE3	potassium voltage-gated channel, Isk-related family, member 3	-0.701806	Inlier
siRNA Disorazole DMSO Run3	NM_0054 72	KCNE3	potassium voltage-gated channel, Isk-related family, member 3	-0.076641	Inlier
siRNA Disorazole DMSO Run1	NM_0054 72	KCNE3	potassium voltage-gated channel, Isk-related family, member 3	0.076642	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0054 72	KCNE3	potassium voltage-gated channel, Isk-related family, member 3	0.171523	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0054 72	KCNE3	potassium voltage-gated channel, Isk-related family, member 3	0.647194	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0054 72	KCNE3	potassium voltage-gated channel, Isk-related family, member 3	0.916042	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0806 71	KCNE4	potassium voltage-gated channel, Isk-related family, member 4	-1.013214	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0806 71	KCNE4	potassium voltage-gated channel, Isk-related family, member 4	-0.939815	Inlier
siRNA Disorazole DMSO Run2	NM_0806 71	KCNE4	potassium voltage-gated channel, Isk-related family, member 4	-0.409185	Inlier
siRNA Disorazole DMSO Run3	NM_0806 71	KCNE4	potassium voltage-gated channel, Isk-related family, member 4	-0.012509	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0806 71	KCNE4	potassium voltage-gated channel, Isk-related family, member 4	0.012509	Inlier
siRNA Disorazole DMSO Run1	NM_0806 71	KCNE4	potassium voltage-gated channel, Isk-related family, member 4	0.398715	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_080671	KCNE4	potassium voltage-gated channel, Isk-related family, member 4	1.364497	Inlier
siRNA-Vinblastine Run2-DMSO	NM_080671	KCNE4	potassium voltage-gated channel, Isk-related family, member 4	1.476722	Inlier
siRNA Disorazole DMSO Run2	NM_002236	KCNF1	potassium voltage-gated channel, subfamily F, member 1	-1.492279	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002236	KCNF1	potassium voltage-gated channel, subfamily F, member 1	-1.269519	Inlier
siRNA Disorazole DMSO Run3	NM_002236	KCNF1	potassium voltage-gated channel, subfamily F, member 1	-0.491419	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002236	KCNF1	potassium voltage-gated channel, subfamily F, member 1	-0.234058	Inlier
siRNA Disorazole DMSO Run1	NM_002236	KCNF1	potassium voltage-gated channel, subfamily F, member 1	0.234059	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_002236	KCNF1	potassium voltage-gated channel, subfamily F, member 1	0.330316	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002236	KCNF1	potassium voltage-gated channel, subfamily F, member 1	0.857581	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002236	KCNF1	potassium voltage-gated channel, subfamily F, member 1	0.965017	Inlier
siRNA Disorazole DMSO Run2	NM_002237	KCNG1	potassium voltage-gated channel, subfamily G, member 1	-0.847272	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002237	KCNG1	potassium voltage-gated channel, subfamily G, member 1	-0.501728	Inlier
siRNA Disorazole DMSO Run1	NM_002237	KCNG1	potassium voltage-gated channel, subfamily G, member 1	-0.253868	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002237	KCNG1	potassium voltage-gated channel, subfamily G, member 1	-0.220607	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0022 37	KCNG1	potassium voltage-gated channel, subfamily G, member 1	0.220607	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0022 37	KCNG1	potassium voltage-gated channel, subfamily G, member 1	0.880755	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0022 37	KCNG1	potassium voltage-gated channel, subfamily G, member 1	1.2465	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0022 37	KCNG1	potassium voltage-gated channel, subfamily G, member 1	1.410919	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0122 83	KCNG2	potassium voltage-gated channel, subfamily G, member 2	-1.297546	Inlier
siRNA Disorazole DMSO Run2	NM_0122 83	KCNG2	potassium voltage-gated channel, subfamily G, member 2	-1.08071	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0122 83	KCNG2	potassium voltage-gated channel, subfamily G, member 2	-0.328405	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0122 83	KCNG2	potassium voltage- gated channel, subfamily G, member 2	-0.211923	Inlier
siRNA Disorazole DMSO Run1	NM_0122 83	KCNG2	potassium voltage- gated channel, subfamily G, member 2	0.211923	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0122 83	KCNG2	potassium voltage- gated channel, subfamily G, member 2	0.623543	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0122 83	KCNG2	potassium voltage- gated channel, subfamily G, member 2	0.725457	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0122 83	KCNG2	potassium voltage- gated channel, subfamily G, member 2	1.239524	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1333 29	KCNG3	potassium voltage- gated channel, subfamily G, member 3	-1.133536	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1333 29	KCNG3	potassium voltage- gated channel, subfamily G, member 3	-0.984572	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_1333 29	KCNG3	potassium voltage- gated channel, subfamily G, member 3	-0.469585	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1333 29	KCNG3	potassium voltage- gated channel, subfamily G, member 3	-0.016296	Inlier
siRNA Disorazole DMSO Run3	NM_1333 29	KCNG3	potassium voltage- gated channel, subfamily G, member 3	0.016296	Inlier
siRNA Disorazole DMSO Run1	NM_1333 29	KCNG3	potassium voltage- gated channel, subfamily G, member 3	0.285361	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1333 29	KCNG3	potassium voltage- gated channel, subfamily G, member 3	0.879415	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1333 29	KCNG3	potassium voltage- gated channel, subfamily G, member 3	1.067868	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1723 47	KCNG4	potassium voltage- gated channel, subfamily G, member 4	-2.368753	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_1723 47	KCNG4	potassium voltage-gated channel, subfamily G, member 4	-1.34011	Inlier
siRNA Disorazole DMSO Run3	NM_1723 47	KCNG4	potassium voltage-gated channel, subfamily G, member 4	-0.564071	Inlier
siRNA Disorazole DMSO Run1	NM_1723 47	KCNG4	potassium voltage-gated channel, subfamily G, member 4	-0.068367	Inlier
siRNA Disorazole DMSO Run2	NM_1723 47	KCNG4	potassium voltage-gated channel, subfamily G, member 4	0.068368	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1723 47	KCNG4	potassium voltage-gated channel, subfamily G, member 4	0.252413	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1723 47	KCNG4	potassium voltage-gated channel, subfamily G, member 4	0.784929	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1723 47	KCNG4	potassium voltage-gated channel, subfamily G, member 4	1.090847	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_1723 62	KCNH1	potassium voltage-gated channel, subfamily H (eag-related), member 1	-0.993211	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1723 62	KCNH1	potassium voltage-gated channel, subfamily H (eag-related), member 1	-0.796486	Inlier
siRNA Disorazole DMSO Run2	NM_1723 62	KCNH1	potassium voltage-gated channel, subfamily H (eag-related), member 1	-0.552514	Inlier
siRNA Disorazole DMSO Run3	NM_1723 62	KCNH1	potassium voltage-gated channel, subfamily H (eag-related), member 1	-0.261099	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1723 62	KCNH1	potassium voltage-gated channel, subfamily H (eag-related), member 1	0.261099	Inlier
siRNA Disorazole DMSO Run1	NM_1723 62	KCNH1	potassium voltage-gated channel, subfamily H (eag-related), member 1	0.49364	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_1723 62	KCNH1	potassium voltage-gated channel, subfamily H (eag-related), member 1	0.902589	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1723 62	KCNH1	potassium voltage-gated channel, subfamily H (eag-related), member 1	1.243928	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0002 38	KCNH2	potassium voltage-gated channel, subfamily H (eag-related), member 2	-2.061096	Inlier
siRNA Disorazole DMSO Run1	NM_0002 38	KCNH2	potassium voltage-gated channel, subfamily H (eag-related), member 2	-1.74415	Inlier
siRNA Disorazole DMSO Run3	NM_0002 38	KCNH2	potassium voltage-gated channel, subfamily H (eag-related), member 2	-0.334543	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0002 38	KCNH2	potassium voltage-gated channel, subfamily H (eag-related), member 2	-0.157923	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0002 38	KCNH2	potassium voltage-gated channel, subfamily H (eag-related), member 2	0.157922	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0002 38	KCNH2	potassium voltage-gated channel, subfamily H (eag-related), member 2	0.570841	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0002 38	KCNH2	potassium voltage-gated channel, subfamily H (eag-related), member 2	0.778159	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0002 38	KCNH2	potassium voltage-gated channel, subfamily H (eag-related), member 2	0.910112	Inlier
siRNA Disorazole DMSO Run2	NM_0122 84	KCNH3	potassium voltage-gated channel, subfamily H (eag-related), member 3	-0.918068	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0122 84	KCNH3	potassium voltage-gated channel, subfamily H (eag-related), member 3	-0.649304	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0122 84	KCNH3	potassium voltage-gated channel, subfamily H (eag-related), member 3	-0.471993	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0122 84	KCNH3	potassium voltage-gated channel, subfamily H (eag-related), member 3	-0.357349	Inlier
siRNA Disorazole DMSO Run1	NM_0122 84	KCNH3	potassium voltage-gated channel, subfamily H (eag-related), member 3	0.357348	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0122 84	KCNH3	potassium voltage-gated channel, subfamily H (eag-related), member 3	0.699696	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0122 84	KCNH3	potassium voltage-gated channel, subfamily H (eag-related), member 3	1.411593	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0122 84	KCNH3	potassium voltage-gated channel, subfamily H (eag-related), member 3	1.478303	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Gene Name	Log Fold Change	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_012285	KCNH4	potassium voltage-gated channel, subfamily H (eag-related), member 4	-2.33019	Inlier
siRNA Disorazole DMSO Run2	NM_012285	KCNH4	potassium voltage-gated channel, subfamily H (eag-related), member 4	-1.961476	Inlier
siRNA Disorazole DMSO Run1	NM_012285	KCNH4	potassium voltage-gated channel, subfamily H (eag-related), member 4	-0.694956	Inlier
siRNA-Temozolomide Run2-DMSO	NM_012285	KCNH4	potassium voltage-gated channel, subfamily H (eag-related), member 4	-0.334294	Inlier
siRNA-Temozolomide Run1-DMSO	NM_012285	KCNH4	potassium voltage-gated channel, subfamily H (eag-related), member 4	0.334294	Inlier
siRNA Disorazole DMSO Run3	NM_012285	KCNH4	potassium voltage-gated channel, subfamily H (eag-related), member 4	0.55253	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_012285	KCNH4	potassium voltage-gated channel, subfamily H (eag-related), member 4	0.654044	Inlier
siRNA-Vinblastine Run1-DMSO	NM_012285	KCNH4	potassium voltage-gated channel, subfamily H (eag-related), member 4	1.012909	Inlier
siRNA-Temozolomide Run3-DMSO	NM_172376	KCNH5	potassium voltage-gated channel, subfamily H (eag-related), member 5	-1.055931	Inlier
siRNA Disorazole DMSO Run3	NM_172376	KCNH5	potassium voltage-gated channel, subfamily H (eag-related), member 5	-0.731086	Inlier
siRNA Disorazole DMSO Run2	NM_172376	KCNH5	potassium voltage-gated channel, subfamily H (eag-related), member 5	-0.617914	Inlier
siRNA-Temozolomide Run2-DMSO	NM_172376	KCNH5	potassium voltage-gated channel, subfamily H (eag-related), member 5	-0.431719	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1723 76	KCNH5	potassium voltage-gated channel, subfamily H (eag-related), member 5	0.431719	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1723 76	KCNH5	potassium voltage-gated channel, subfamily H (eag-related), member 5	0.506764	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1723 76	KCNH5	potassium voltage-gated channel, subfamily H (eag-related), member 5	1.012858	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1723 76	KCNH5	potassium voltage-gated channel, subfamily H (eag-related), member 5	1.763268	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0307 79	KCNH6	potassium voltage-gated channel, subfamily H (eag-related), member 6	-1.26676	Inlier
siRNA Disorazole DMSO Run2	NM_0307 79	KCNH6	potassium voltage-gated channel, subfamily H (eag-related), member 6	-1.147721	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0307 79	KCNH6	potassium voltage-gated channel, subfamily H (eag-related), member 6	-0.234471	Inlier
siRNA Disorazole DMSO Run1	NM_0307 79	KCNH6	potassium voltage-gated channel, subfamily H (eag-related), member 6	-0.176091	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0307 79	KCNH6	potassium voltage-gated channel, subfamily H (eag-related), member 6	0.176091	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0307 79	KCNH6	potassium voltage-gated channel, subfamily H (eag-related), member 6	0.608046	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0307 79	KCNH6	potassium voltage-gated channel, subfamily H (eag-related), member 6	0.740954	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0307 79	KCNH6	potassium voltage-gated channel, subfamily H (eag-related), member 6	0.994093	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_033272	KCNH7	potassium voltage-gated channel, subfamily H (eag-related), member 7	-1.016495	Inlier
siRNA-Temozolomide Run3-DMSO	NM_033272	KCNH7	potassium voltage-gated channel, subfamily H (eag-related), member 7	-0.886473	Inlier
siRNA Disorazole DMSO Run3	NM_033272	KCNH7	potassium voltage-gated channel, subfamily H (eag-related), member 7	-0.229057	Inlier
siRNA Disorazole DMSO Run2	NM_033272	KCNH7	potassium voltage-gated channel, subfamily H (eag-related), member 7	-0.224241	Inlier
siRNA-Temozolomide Run1-DMSO	NM_033272	KCNH7	potassium voltage-gated channel, subfamily H (eag-related), member 7	0.224241	Inlier
siRNA Disorazole DMSO Run1	NM_033272	KCNH7	potassium voltage-gated channel, subfamily H (eag-related), member 7	0.462527	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0332 72	KCNH7	potassium voltage-gated channel, subfamily H (eag-related), member 7	3.865435	Outlier
siRNA-Vinblastine Run2-DMSO	NM_0332 72	KCNH7	potassium voltage-gated channel, subfamily H (eag-related), member 7	4.490892	Outlier
siRNA-Temozolomide Run2-DMSO	NM_1446 33	KCNH8	potassium voltage-gated channel, subfamily H (eag-related), member 8	-1.162379	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1446 33	KCNH8	potassium voltage-gated channel, subfamily H (eag-related), member 8	-0.995366	Inlier
siRNA Disorazole DMSO Run2	NM_1446 33	KCNH8	potassium voltage-gated channel, subfamily H (eag-related), member 8	-0.440534	Inlier
siRNA Disorazole DMSO Run3	NM_1446 33	KCNH8	potassium voltage-gated channel, subfamily H (eag-related), member 8	-0.191638	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_1446 33	KCNH8	potassium voltage-gated channel, subfamily H (eag-related), member 8	0.191637	Inlier
siRNA Disorazole DMSO Run1	NM_1446 33	KCNH8	potassium voltage-gated channel, subfamily H (eag-related), member 8	0.669688	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1446 33	KCNH8	potassium voltage-gated channel, subfamily H (eag-related), member 8	0.679312	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1446 33	KCNH8	potassium voltage-gated channel, subfamily H (eag-related), member 8	1.043207	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0145 91	KCNIP2	Kv channel interacting protein 2	-3.772603	Outlier
siRNA Disorazole DMSO Run2	NM_0145 91	KCNIP2	Kv channel interacting protein 2	-0.871872	Inlier
siRNA Disorazole DMSO Run3	NM_0145 91	KCNIP2	Kv channel interacting protein 2	-0.131368	Inlier
siRNA Disorazole DMSO Run1	NM_0145 91	KCNIP2	Kv channel interacting protein 2	-0.109383	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_014591	KCNIP2	Kv channel interacting protein 2	0.109384	Inlier
siRNA-Temozolomide Run1-DMSO	NM_014591	KCNIP2	Kv channel interacting protein 2	0.477128	Inlier
siRNA-Vinblastine Run1-DMSO	NM_014591	KCNIP2	Kv channel interacting protein 2	1.444616	Inlier
siRNA-Vinblastine Run2-DMSO	NM_014591	KCNIP2	Kv channel interacting protein 2	2.798596	Inlier
siRNA-Temozolomide Run2-DMSO	NM_153764	KCNJ1	potassium inwardly-rectifying channel, subfamily J, member 1	-0.89632	Inlier
siRNA Disorazole DMSO Run1	NM_153764	KCNJ1	potassium inwardly-rectifying channel, subfamily J, member 1	-0.895587	Inlier
siRNA Disorazole DMSO Run2	NM_153764	KCNJ1	potassium inwardly-rectifying channel, subfamily J, member 1	-0.879364	Inlier
siRNA-Temozolomide Run1-DMSO	NM_153764	KCNJ1	potassium inwardly-rectifying channel, subfamily J, member 1	-0.084614	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_1537 64	KCNJ1	potassium inwardly-rectifying channel, subfamily J, member 1	0.084614	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1537 64	KCNJ1	potassium inwardly-rectifying channel, subfamily J, member 1	0.326038	Inlier
siRNA Disorazole DMSO Run3	NM_1537 64	KCNJ1	potassium inwardly-rectifying channel, subfamily J, member 1	0.469636	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1537 64	KCNJ1	potassium inwardly-rectifying channel, subfamily J, member 1	0.935809	Inlier
siRNA Disorazole DMSO Run2	NM_0022 41	KCNJ10	potassium inwardly-rectifying channel, subfamily J, member 10	-1.257228	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0022 41	KCNJ10	potassium inwardly-rectifying channel, subfamily J, member 10	-0.767411	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0022 41	KCNJ10	potassium inwardly-rectifying channel, subfamily J, member 10	-0.547799	Inlier
siRNA Disorazole DMSO Run3	NM_0022 41	KCNJ10	potassium inwardly-rectifying channel, subfamily J, member 10	-0.365444	Inlier
siRNA Disorazole DMSO Run1	NM_0022 41	KCNJ10	potassium inwardly-rectifying channel, subfamily J, member 10	0.365444	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0022 41	KCNJ10	potassium inwardly-rectifying channel, subfamily J, member 10	0.581589	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0022 41	KCNJ10	potassium inwardly-rectifying channel, subfamily J, member 10	0.84418	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0022 41	KCNJ10	10	potassium inwardly-rectifying channel, subfamily J, member	1.146368 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0005 25	KCNJ11	11	potassium inwardly-rectifying channel, subfamily J, member	-1.624601 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0005 25	KCNJ11	11	potassium inwardly-rectifying channel, subfamily J, member	-1.178978 Inlier
siRNA Disorazole DMSO Run2	NM_0005 25	KCNJ11	11	potassium inwardly-rectifying channel, subfamily J, member	-0.483166 Inlier
siRNA Disorazole DMSO Run3	NM_0005 25	KCNJ11	11	potassium inwardly-rectifying channel, subfamily J, member	-0.105908 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0005 25	KCNJ11	potassium inwardly-rectifying channel, subfamily J, member 11	0.105908 Inlier
siRNA Disorazole DMSO Run1	NM_0005 25	KCNJ11	potassium inwardly-rectifying channel, subfamily J, member 11	0.143172 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0005 25	KCNJ11	potassium inwardly-rectifying channel, subfamily J, member 11	0.865834 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0005 25	KCNJ11	potassium inwardly-rectifying channel, subfamily J, member 11	1.409994 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0210 12	KCNJ12	potassium inwardly-rectifying channel, subfamily J, member 12	-1.663347 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0210 12	KCNJ12	12	potassium inwardly-rectifying channel, subfamily J, member	-1.198224 Inlier
siRNA Disorazole DMSO Run2	NM_0210 12	KCNJ12	12	potassium inwardly-rectifying channel, subfamily J, member	-0.784462 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0210 12	KCNJ12	12	potassium inwardly-rectifying channel, subfamily J, member	-0.09865 Inlier
siRNA Disorazole DMSO Run3	NM_0210 12	KCNJ12	12	potassium inwardly-rectifying channel, subfamily J, member	0.09865 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0210 12	KCNJ12	12	potassium inwardly-rectifying channel, subfamily J, member	0.268453 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0210 12	KCNJ12	12	potassium inwardly-rectifying channel, subfamily J, member	0.564538 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0210 12	KCNJ12	12	potassium inwardly-rectifying channel, subfamily J, member	1.371133 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0022 42	KCNJ13	13	potassium inwardly-rectifying channel, subfamily J, member	-1.030712 Inlier
siRNA Disorazole DMSO Run2	NM_0022 42	KCNJ13	13	potassium inwardly-rectifying channel, subfamily J, member	-0.702398 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0022 42	KCNJ13	13	potassium inwardly-rectifying channel, subfamily J, member	-0.646602 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0022 42	KCNJ13	13	potassium inwardly-rectifying channel, subfamily J, member	-0.034929 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0022 42	KCNJ13	13	potassium inwardly-rectifying channel, subfamily J, member	0.034929 Inlier
siRNA Disorazole DMSO Run1	NM_0022 42	KCNJ13	13	potassium inwardly-rectifying channel, subfamily J, member	0.429904 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0022 42	KCNJ13	13	potassium inwardly-rectifying channel, subfamily J, member	1.786 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0022 42	KCNJ13	13	potassium inwardly-rectifying channel, subfamily J, member	1.804499 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_1707 20	KCNJ14	14	potassium inwardly-rectifying channel, subfamily J, member	-1.818792 Inlier
siRNA-Temozolomide Run3-DMSO	NM_1707 20	KCNJ14	14	potassium inwardly-rectifying channel, subfamily J, member	-1.424188 Inlier
siRNA-Temozolomide Run2-DMSO	NM_1707 20	KCNJ14	14	potassium inwardly-rectifying channel, subfamily J, member	-0.588208 Inlier
siRNA Disorazole DMSO Run3	NM_1707 20	KCNJ14	14	potassium inwardly-rectifying channel, subfamily J, member	-0.332013 Inlier
siRNA-Temozolomide Run1-DMSO	NM_1707 20	KCNJ14	14	potassium inwardly-rectifying channel, subfamily J, member	0.332013 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_1707 20	KCNJ14	potassium inwardly-rectifying channel, subfamily J, member 14	0.428617	Inlier
siRNA Disorazole DMSO Run1	NM_1707 20	KCNJ14	potassium inwardly-rectifying channel, subfamily J, member 14	0.760792	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1707 20	KCNJ14	potassium inwardly-rectifying channel, subfamily J, member 14	1.059064	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1707 37	KCNJ15	potassium inwardly-rectifying channel, subfamily J, member 15	-1.225282	Inlier
siRNA Disorazole DMSO Run3	NM_1707 37	KCNJ15	potassium inwardly-rectifying channel, subfamily J, member 15	-0.851088	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_1707 37	KCNJ15	15	potassium inwardly-rectifying channel, subfamily J, member	-0.763608 Inlier
siRNA-Temozolomide Run2-DMSO	NM_1707 37	KCNJ15	15	potassium inwardly-rectifying channel, subfamily J, member	-0.204362 Inlier
siRNA Disorazole DMSO Run1	NM_1707 37	KCNJ15	15	potassium inwardly-rectifying channel, subfamily J, member	0.204362 Inlier
siRNA-Temozolomide Run1-DMSO	NM_1707 37	KCNJ15	15	potassium inwardly-rectifying channel, subfamily J, member	0.306614 Inlier
siRNA-Vinblastine Run2-DMSO	NM_1707 37	KCNJ15	15	potassium inwardly-rectifying channel, subfamily J, member	0.585392 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_1707 37	KCNJ15	potassium inwardly-rectifying channel, subfamily J, member 15	1.150503 Inlier
siRNA Disorazole DMSO Run2	NM_1707 42	KCNJ16	potassium inwardly-rectifying channel, subfamily J, member 16	-3.57853 Outlier
siRNA Disorazole DMSO Run3	NM_1707 42	KCNJ16	potassium inwardly-rectifying channel, subfamily J, member 16	-1.313609 Inlier
siRNA-Temozolomide Run3-DMSO	NM_1707 42	KCNJ16	potassium inwardly-rectifying channel, subfamily J, member 16	-1.09125 Inlier
siRNA-Vinblastine Run2-DMSO	NM_1707 42	KCNJ16	potassium inwardly-rectifying channel, subfamily J, member 16	-0.02372 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_1707 42	KCNJ16	potassium inwardly-rectifying channel, subfamily J, member 16	0.023719	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1707 42	KCNJ16	potassium inwardly-rectifying channel, subfamily J, member 16	0.116023	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1707 42	KCNJ16	potassium inwardly-rectifying channel, subfamily J, member 16	0.577598	Inlier
siRNA Disorazole DMSO Run1	NM_1707 42	KCNJ16	potassium inwardly-rectifying channel, subfamily J, member 16	0.771402	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0008 91	KCNJ2	potassium inwardly-rectifying channel, subfamily J, member 2	-3.926239	Outlier
siRNA Disorazole DMSO Run2	NM_0008 91	KCNJ2	potassium inwardly-rectifying channel, subfamily J, member 2	-2.204657	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_000891	KCNJ2	potassium inwardly-rectifying channel, subfamily J, member 2	-0.793788	Inlier
siRNA Disorazole DMSO Run3	NM_000891	KCNJ2	potassium inwardly-rectifying channel, subfamily J, member 2	-0.445022	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000891	KCNJ2	potassium inwardly-rectifying channel, subfamily J, member 2	0.445023	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000891	KCNJ2	potassium inwardly-rectifying channel, subfamily J, member 2	0.523363	Inlier
siRNA Disorazole DMSO Run1	NM_000891	KCNJ2	potassium inwardly-rectifying channel, subfamily J, member 2	0.555212	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000891	KCNJ2	potassium inwardly-rectifying channel, subfamily J, member 2	1.91183	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0022 39	KCNJ3	potassium inwardly-rectifying channel, subfamily J, member 3	-2.058876	Inlier
siRNA Disorazole DMSO Run3	NM_0022 39	KCNJ3	potassium inwardly-rectifying channel, subfamily J, member 3	-0.692952	Inlier
siRNA Disorazole DMSO Run2	NM_0022 39	KCNJ3	potassium inwardly-rectifying channel, subfamily J, member 3	-0.656048	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0022 39	KCNJ3	potassium inwardly-rectifying channel, subfamily J, member 3	-0.237366	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0022 39	KCNJ3	potassium inwardly-rectifying channel, subfamily J, member 3	0.237366	Inlier
siRNA Disorazole DMSO Run1	NM_0022 39	KCNJ3	potassium inwardly-rectifying channel, subfamily J, member 3	0.526388	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_002239	KCNJ3	potassium inwardly-rectifying channel, subfamily J, member 3	0.864026	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002239	KCNJ3	potassium inwardly-rectifying channel, subfamily J, member 3	1.065102	Inlier
siRNA Disorazole DMSO Run2	NM_152868	KCNJ4	potassium inwardly-rectifying channel, subfamily J, member 4	-2.234769	Inlier
siRNA-Temozolomide Run3-DMSO	NM_152868	KCNJ4	potassium inwardly-rectifying channel, subfamily J, member 4	-1.012915	Inlier
siRNA-Temozolomide Run2-DMSO	NM_152868	KCNJ4	potassium inwardly-rectifying channel, subfamily J, member 4	-0.701976	Inlier
siRNA-Temozolomide Run1-DMSO	NM_152868	KCNJ4	potassium inwardly-rectifying channel, subfamily J, member 4	-0.05772	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_1528 68	KCNJ4	potassium inwardly-rectifying channel, subfamily J, member 4	0.057721	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1528 68	KCNJ4	potassium inwardly-rectifying channel, subfamily J, member 4	0.624241	Inlier
siRNA Disorazole DMSO Run1	NM_1528 68	KCNJ4	potassium inwardly-rectifying channel, subfamily J, member 4	0.647024	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1528 68	KCNJ4	potassium inwardly-rectifying channel, subfamily J, member 4	1.111349	Inlier
siRNA Disorazole DMSO Run3	NM_0008 90	KCNJ5	potassium inwardly-rectifying channel, subfamily J, member 5	-0.842528	Inlier
siRNA Disorazole DMSO Run2	NM_0008 90	KCNJ5	potassium inwardly-rectifying channel, subfamily J, member 5	-0.77395	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_000890	KCNJ5	potassium inwardly-rectifying channel, subfamily J, member 5	-0.57505	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000890	KCNJ5	potassium inwardly-rectifying channel, subfamily J, member 5	-0.512217	Inlier
siRNA Disorazole DMSO Run1	NM_000890	KCNJ5	potassium inwardly-rectifying channel, subfamily J, member 5	0.512216	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000890	KCNJ5	potassium inwardly-rectifying channel, subfamily J, member 5	0.571888	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000890	KCNJ5	potassium inwardly-rectifying channel, subfamily J, member 5	1.192211	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000890	KCNJ5	potassium inwardly-rectifying channel, subfamily J, member 5	1.434188	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0022 40	KCNJ6	potassium inwardly-rectifying channel, subfamily J, member 6	-0.728214	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0022 40	KCNJ6	potassium inwardly-rectifying channel, subfamily J, member 6	-0.692731	Inlier
siRNA Disorazole DMSO Run2	NM_0022 40	KCNJ6	potassium inwardly-rectifying channel, subfamily J, member 6	-0.656269	Inlier
siRNA Disorazole DMSO Run3	NM_0022 40	KCNJ6	potassium inwardly-rectifying channel, subfamily J, member 6	-0.284178	Inlier
siRNA Disorazole DMSO Run1	NM_0022 40	KCNJ6	potassium inwardly-rectifying channel, subfamily J, member 6	0.284178	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0022 40	KCNJ6	potassium inwardly-rectifying channel, subfamily J, member 6	0.603519	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0022 40	KCNJ6	potassium inwardly-rectifying channel, subfamily J, member 6	1.142104	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0022 40	KCNJ6	potassium inwardly-rectifying channel, subfamily J, member 6	1.542686	Inlier
siRNA Disorazole DMSO Run2	NM_0049 82	KCNJ8	potassium inwardly-rectifying channel, subfamily J, member 8	-1.073121	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0049 82	KCNJ8	potassium inwardly-rectifying channel, subfamily J, member 8	-0.930781	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0049 82	KCNJ8	potassium inwardly-rectifying channel, subfamily J, member 8	-0.451368	Inlier
siRNA Disorazole DMSO Run3	NM_0049 82	KCNJ8	potassium inwardly-rectifying channel, subfamily J, member 8	-0.184238	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0049 82	KCNJ8	potassium inwardly-rectifying channel, subfamily J, member 8	0.184238 Inlier
siRNA Disorazole DMSO Run1	NM_0049 82	KCNJ8	potassium inwardly-rectifying channel, subfamily J, member 8	0.461699 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0049 82	KCNJ8	potassium inwardly-rectifying channel, subfamily J, member 8	0.887301 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0049 82	KCNJ8	potassium inwardly-rectifying channel, subfamily J, member 8	1.181681 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0049 83	KCNJ9	potassium inwardly-rectifying channel, subfamily J, member 9	-1.07198 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0049 83	KCNJ9	potassium inwardly-rectifying channel, subfamily J, member 9	-0.896105 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0049 83	KCNJ9	potassium inwardly-rectifying channel, subfamily J, member 9	-0.558633	Inlier
siRNA Disorazole DMSO Run3	NM_0049 83	KCNJ9	potassium inwardly-rectifying channel, subfamily J, member 9	-0.214276	Inlier
siRNA Disorazole DMSO Run1	NM_0049 83	KCNJ9	potassium inwardly-rectifying channel, subfamily J, member 9	0.214276	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0049 83	KCNJ9	potassium inwardly-rectifying channel, subfamily J, member 9	0.407744	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0049 83	KCNJ9	potassium inwardly-rectifying channel, subfamily J, member 9	0.790367	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0049 83	KCNJ9	potassium inwardly-rectifying channel, subfamily J, member 9	1.117059	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0022 45	KCNK1	potassium channel, subfamily K, member 1	-1.123404	Inlier
siRNA Disorazole DMSO Run3	NM_0022 45	KCNK1	potassium channel, subfamily K, member 1	-1.107286	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0022 45	KCNK1	potassium channel, subfamily K, member 1	-0.746244	Inlier
siRNA Disorazole DMSO Run1	NM_0022 45	KCNK1	potassium channel, subfamily K, member 1	-0.136289	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0022 45	KCNK1	potassium channel, subfamily K, member 1	0.136289	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0022 45	KCNK1	potassium channel, subfamily K, member 1	0.592376	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0022 45	KCNK1	potassium channel, subfamily K, member 1	0.602756	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0022 45	KCNK1	potassium channel, subfamily K, member 1	1.06973	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_1383 18	KCNK10	potassium channel, subfamily K, member 10	-1.203415	Inlier
siRNA Disorazole DMSO Run2	NM_1383 18	KCNK10	potassium channel, subfamily K, member 10	-0.524258	Inlier
siRNA Disorazole DMSO Run3	NM_1383 18	KCNK10	potassium channel, subfamily K, member 10	-0.41249	Inlier
siRNA Disorazole DMSO Run1	NM_1383 18	KCNK10	potassium channel, subfamily K, member 10	-0.28875	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1383 18	KCNK10	potassium channel, subfamily K, member 10	0.288751	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1383 18	KCNK10	potassium channel, subfamily K, member 10	0.824742	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1383 18	KCNK10	potassium channel, subfamily K, member 10	0.939548	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_1383 18	KCNK10	10	potassium channel, subfamily K, member	1.319595 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0220 55	KCNK12	12	potassium channel, subfamily K, member	-1.41935 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0220 55	KCNK12	12	potassium channel, subfamily K, member	-0.685949 Inlier
siRNA Disorazole DMSO Run3	NM_0220 55	KCNK12	12	potassium channel, subfamily K, member	-0.663051 Inlier
siRNA Disorazole DMSO Run2	NM_0220 55	KCNK12	12	potassium channel, subfamily K, member	-0.284928 Inlier
siRNA Disorazole DMSO Run1	NM_0220 55	KCNK12	12	potassium channel, subfamily K, member	0.284929 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0220 55	KCNK12	12	potassium channel, subfamily K, member	0.451194 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0220 55	KCNK12	potassium channel, subfamily K, member 12	1.377904 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0220 55	KCNK12	potassium channel, subfamily K, member 12	1.65582 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0220 54	KCNK13	potassium channel, subfamily K, member 13	-4.05451 Outlier
siRNA Disorazole DMSO Run1	NM_0220 54	KCNK13	potassium channel, subfamily K, member 13	-1.219316 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0220 54	KCNK13	potassium channel, subfamily K, member 13	-0.634559 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0220 54	KCNK13	potassium channel, subfamily K, member 13	-0.21089 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0220 54	KCNK13	potassium channel, subfamily K, member 13	0.21089 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0220 54	KCNK13	13	potassium channel, subfamily K, member	0.517452 Inlier
siRNA Disorazole DMSO Run2	NM_0220 54	KCNK13	13	potassium channel, subfamily K, member	0.714441 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0220 54	KCNK13	13	potassium channel, subfamily K, member	1.222788 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0223 58	KCNK15	15	potassium channel, subfamily K, member	-3.858009 Outlier
siRNA Disorazole DMSO Run1	NM_0223 58	KCNK15	15	potassium channel, subfamily K, member	-0.813812 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0223 58	KCNK15	15	potassium channel, subfamily K, member	-0.535188 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0223 58	KCNK15	15	potassium channel, subfamily K, member	-0.503613 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0223 58	KCNK15	potassium channel, subfamily K, member 15	0.503612 Inlier
siRNA Disorazole DMSO Run2	NM_0223 58	KCNK15	potassium channel, subfamily K, member 15	0.511635 Inlier
siRNA Disorazole DMSO Run3	NM_0223 58	KCNK15	potassium channel, subfamily K, member 15	2.867706 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0223 58	KCNK15	potassium channel, subfamily K, member 15	3.509209 Outlier
siRNA Disorazole DMSO Run1	NM_0321 15	KCNK16	potassium channel, subfamily K, member 16	-1.978176 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0321 15	KCNK16	potassium channel, subfamily K, member 16	-1.571408 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0321 15	KCNK16	potassium channel, subfamily K, member 16	-0.690442 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0321 15	KCNK16	potassium channel, subfamily K, member 16	-0.134777	Inlier
siRNA Disorazole DMSO Run3	NM_0321 15	KCNK16	potassium channel, subfamily K, member 16	0.134777	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0321 15	KCNK16	potassium channel, subfamily K, member 16	0.349592	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0321 15	KCNK16	potassium channel, subfamily K, member 16	0.658558	Inlier
siRNA Disorazole DMSO Run2	NM_0321 15	KCNK16	potassium channel, subfamily K, member 16	3.164594	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0314 60	KCNK17	potassium channel, subfamily K, member 17	-1.244301	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0314 60	KCNK17	potassium channel, subfamily K, member 17	-0.91605	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0314 60	KCNK17	17	potassium channel, subfamily K, member	-0.081757	Inlier
siRNA Disorazole DMSO Run2	NM_0314 60	KCNK17	17	potassium channel, subfamily K, member	-0.001488	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0314 60	KCNK17	17	potassium channel, subfamily K, member	0.001488	Inlier
siRNA Disorazole DMSO Run1	NM_0314 60	KCNK17	17	potassium channel, subfamily K, member	0.43295	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0314 60	KCNK17	17	potassium channel, subfamily K, member	2.591245	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0314 60	KCNK17	17	potassium channel, subfamily K, member	3.329672	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 17424	KCNK2	member 2	potassium channel, subfamily K, member 2	-3.07907	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0010 17424	KCNK2	potassium channel, subfamily K, member 2	-0.564886	Inlier
siRNA Disorazole DMSO Run2	NM_0010 17424	KCNK2	potassium channel, subfamily K, member 2	-0.51463	Inlier
siRNA Disorazole DMSO Run1	NM_0010 17424	KCNK2	potassium channel, subfamily K, member 2	-0.458742	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 17424	KCNK2	potassium channel, subfamily K, member 2	0.458743	Inlier
siRNA Disorazole DMSO Run3	NM_0010 17424	KCNK2	potassium channel, subfamily K, member 2	0.784114	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 17424	KCNK2	potassium channel, subfamily K, member 2	0.982125	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 17424	KCNK2	potassium channel, subfamily K, member 2	1.218199	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0022 46	KCNK3	potassium channel, subfamily K, member 3	-1.937793	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0022 46	KCNK3	potassium channel, subfamily K, member 3	-0.76097 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0022 46	KCNK3	potassium channel, subfamily K, member 3	-0.220153 Inlier
siRNA Disorazole DMSO Run3	NM_0022 46	KCNK3	potassium channel, subfamily K, member 3	-0.093448 Inlier
siRNA Disorazole DMSO Run1	NM_0022 46	KCNK3	potassium channel, subfamily K, member 3	0.093448 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0022 46	KCNK3	potassium channel, subfamily K, member 3	0.58803 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0022 46	KCNK3	potassium channel, subfamily K, member 3	1.109002 Inlier
siRNA Disorazole DMSO Run2	NM_0022 46	KCNK3	potassium channel, subfamily K, member 3	2.169047 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0333 10	KCNK4	potassium channel, subfamily K, member 4	-0.863426 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0333 10	KCNK4	potassium channel, subfamily K, member 4	-0.485574	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0333 10	KCNK4	potassium channel, subfamily K, member 4	-0.276469	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0333 10	KCNK4	potassium channel, subfamily K, member 4	-0.048007	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0333 10	KCNK4	potassium channel, subfamily K, member 4	0.048007	Inlier
siRNA Disorazole DMSO Run3	NM_0333 10	KCNK4	potassium channel, subfamily K, member 4	0.908002	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0333 10	KCNK4	potassium channel, subfamily K, member 4	1.207066	Inlier
siRNA Disorazole DMSO Run2	NM_0333 10	KCNK4	potassium channel, subfamily K, member 4	1.96558	Inlier
siRNA Disorazole DMSO Run1	NM_0037 40	KCNK5	potassium channel, subfamily K, member 5	-1.585536	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0037 40	KCNK5	potassium channel, subfamily K, member 5	-0.676781	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0037 40	KCNK5	potassium channel, subfamily K, member 5	-0.672219	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0037 40	KCNK5	potassium channel, subfamily K, member 5	-0.15875	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0037 40	KCNK5	potassium channel, subfamily K, member 5	0.158751	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0037 40	KCNK5	potassium channel, subfamily K, member 5	0.454769	Inlier
siRNA Disorazole DMSO Run3	NM_0037 40	KCNK5	potassium channel, subfamily K, member 5	1.098756	Inlier
siRNA Disorazole DMSO Run2	NM_0037 40	KCNK5	potassium channel, subfamily K, member 5	4.622574	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0048 23	KCNK6	potassium channel, subfamily K, member 6	-0.922084	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0048 23	KCNK6	potassium channel, subfamily K, member 6	-0.819192	Inlier
siRNA Disorazole DMSO Run3	NM_0048 23	KCNK6	potassium channel, subfamily K, member 6	-0.529808	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0048 23	KCNK6	potassium channel, subfamily K, member 6	-0.038841	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0048 23	KCNK6	potassium channel, subfamily K, member 6	0.038841	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0048 23	KCNK6	potassium channel, subfamily K, member 6	0.186797	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0048 23	KCNK6	potassium channel, subfamily K, member 6	0.840537	Inlier
siRNA Disorazole DMSO Run2	NM_0048 23	KCNK6	potassium channel, subfamily K, member 6	1.958397	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0334 56	KCNK7	potassium channel, subfamily K, member 7	-1.752138	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0334 56	KCNK7	potassium channel, subfamily K, member 7	-1.632769	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0334 56	KCNK7	potassium channel, subfamily K, member 7	-0.652736	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0334 56	KCNK7	potassium channel, subfamily K, member 7	-0.106537	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0334 56	KCNK7	potassium channel, subfamily K, member 7	0.106537	Inlier
siRNA Disorazole DMSO Run3	NM_0334 56	KCNK7	potassium channel, subfamily K, member 7	0.661841	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0334 56	KCNK7	potassium channel, subfamily K, member 7	0.687159	Inlier
siRNA Disorazole DMSO Run2	NM_0334 56	KCNK7	potassium channel, subfamily K, member 7	2.586727	Inlier
siRNA Disorazole DMSO Run1	NM_0166 01	KCNK9	potassium channel, subfamily K, member 9	-1.42858	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_016601	KCNK9	potassium channel, subfamily K, member 9	-1.057626	Inlier
siRNA-Vinblastine Run2-DMSO	NM_016601	KCNK9	potassium channel, subfamily K, member 9	-0.747268	Inlier
siRNA-Vinblastine Run1-DMSO	NM_016601	KCNK9	potassium channel, subfamily K, member 9	-0.106809	Inlier
siRNA-Temozolomide Run2-DMSO	NM_016601	KCNK9	potassium channel, subfamily K, member 9	0.106809	Inlier
siRNA-Temozolomide Run1-DMSO	NM_016601	KCNK9	potassium channel, subfamily K, member 9	0.170249	Inlier
siRNA Disorazole DMSO Run3	NM_016601	KCNK9	potassium channel, subfamily K, member 9	0.601732	Inlier
siRNA Disorazole DMSO Run2	NM_016601	KCNK9	potassium channel, subfamily K, member 9	2.175709	Inlier
siRNA Disorazole DMSO Run3	NM_001014797	KCNMA1	potassium large conductance calcium-activated channel, subfamily M, alpha member 1	-2.393301	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0010 14797	KCNMA1	potassium large conductan ce calcium- activated channel, subfamily M, alpha member 1	-2.182922	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0010 14797	KCNMA1	potassium large conductan ce calcium- activated channel, subfamily M, alpha member 1	-0.682919	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0010 14797	KCNMA1	potassium large conductan ce calcium- activated channel, subfamily M, alpha member 1	-0.359444	Inlier
siRNA Disorazole DMSO Run1	NM_0010 14797	KCNMA1	potassium large conductan ce calcium- activated channel, subfamily M, alpha member 1	0.359445	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0010 14797	KCNMA1	potassium large conductan ce calcium- activated channel, subfamily M, alpha member 1	0.437467	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_001014797	KCNMA1	potassium large conductance calcium-activated channel, subfamily M, alpha member 1	0.666081	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001014797	KCNMA1	potassium large conductance calcium-activated channel, subfamily M, alpha member 1	0.970426	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004137	KCNMB1	potassium large conductance calcium-activated channel, subfamily M, beta member 1	-0.942213	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004137	KCNMB1	potassium large conductance calcium-activated channel, subfamily M, beta member 1	-0.739913	Inlier
siRNA Disorazole DMSO Run2	NM_004137	KCNMB1	potassium large conductance calcium-activated channel, subfamily M, beta member 1	-0.609087	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0041 37	KCNMB1	potassium large conductan ce calcium- activated channel, subfamily M, beta member 1	-0.370014	Inlier
siRNA Disorazole DMSO Run1	NM_0041 37	KCNMB1	potassium large conductan ce calcium- activated channel, subfamily M, beta member 1	0.370014	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0041 37	KCNMB1	potassium large conductan ce calcium- activated channel, subfamily M, beta member 1	0.454513	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0041 37	KCNMB1	potassium large conductan ce calcium- activated channel, subfamily M, beta member 1	1.148688	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0041 37	KCNMB1	potassium large conductan ce calcium- activated channel, subfamily M, beta member 1	1.243385	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_1813 61	KCNMB2	potassium large conductan ce calcium- activated channel, subfamily M, beta member 2	-2.156196	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1813 61	KCNMB2	potassium large conductan ce calcium- activated channel, subfamily M, beta member 2	-0.79544	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1813 61	KCNMB2	potassium large conductan ce calcium- activated channel, subfamily M, beta member 2	-0.139273	Inlier
siRNA Disorazole DMSO Run1	NM_1813 61	KCNMB2	potassium large conductan ce calcium- activated channel, subfamily M, beta member 2	-0.137082	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1813 61	KCNMB2	potassium large conductan ce calcium- activated channel, subfamily M, beta member 2	0.137083	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_181361	KCNMB2	potassium large conductance calcium-activated channel, subfamily M, beta member 2	0.604715	Inlier
siRNA-Vinblastine Run1-DMSO	NM_181361	KCNMB2	potassium large conductance calcium-activated channel, subfamily M, beta member 2	0.744285	Inlier
siRNA Disorazole DMSO Run3	NM_181361	KCNMB2	potassium large conductance calcium-activated channel, subfamily M, beta member 2	1.661695	Inlier
siRNA-Temozolomide Run3-DMSO	NM_014407	KCNMB3	potassium large conductance calcium-activated channel, subfamily M beta member 3	-0.802546	Inlier
siRNA Disorazole DMSO Run3	NM_014407	KCNMB3	potassium large conductance calcium-activated channel, subfamily M beta member 3	-0.734818	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_014407	KCNMB3	potassium large conductance calcium-activated channel, subfamily M beta member 3	-0.614182	Inlier
siRNA Disorazole DMSO Run2	NM_014407	KCNMB3	potassium large conductance calcium-activated channel, subfamily M beta member 3	-0.159004	Inlier
siRNA-Temozolomide Run1-DMSO	NM_014407	KCNMB3	potassium large conductance calcium-activated channel, subfamily M beta member 3	0.159004	Inlier
siRNA Disorazole DMSO Run1	NM_014407	KCNMB3	potassium large conductance calcium-activated channel, subfamily M beta member 3	0.494575	Inlier
siRNA-Vinblastine Run2-DMSO	NM_014407	KCNMB3	potassium large conductance calcium-activated channel, subfamily M beta member 3	1.069305	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_014407	KCNMB3	potassium large conductance calcium-activated channel, subfamily M beta member 3	1.10641	Inlier
siRNA-Temozolomide Run3-DMSO	NM_014505	KCNMB4	potassium large conductance calcium-activated channel, subfamily M, beta member 4	-0.856964	Inlier
siRNA-Temozolomide Run2-DMSO	NM_014505	KCNMB4	potassium large conductance calcium-activated channel, subfamily M, beta member 4	-0.581982	Inlier
siRNA Disorazole DMSO Run2	NM_014505	KCNMB4	potassium large conductance calcium-activated channel, subfamily M, beta member 4	-0.359503	Inlier
siRNA Disorazole DMSO Run3	NM_014505	KCNMB4	potassium large conductance calcium-activated channel, subfamily M, beta member 4	-0.358246	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_014505	KCNMB4	potassium large conductance calcium-activated channel, subfamily M, beta member 4	0.358245	Inlier
siRNA Disorazole DMSO Run1	NM_014505	KCNMB4	potassium large conductance calcium-activated channel, subfamily M, beta member 4	0.767018	Inlier
siRNA-Vinblastine Run2-DMSO	NM_014505	KCNMB4	potassium large conductance calcium-activated channel, subfamily M, beta member 4	1.138058	Inlier
siRNA-Vinblastine Run1-DMSO	NM_014505	KCNMB4	potassium large conductance calcium-activated channel, subfamily M, beta member 4	1.774428	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002248	KCNN1	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 1	-1.180753	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0022 48	KCNN1	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 1	-0.974347	Inlier
siRNA Disorazole DMSO Run3	NM_0022 48	KCNN1	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 1	-0.374653	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0022 48	KCNN1	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 1	-0.026815	Inlier
siRNA Disorazole DMSO Run2	NM_0022 48	KCNN1	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 1	0.026815	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0022 48	KCNN1	potassium intermedia te/small conductan ce calcium- activated channel, subfamily N, member 1	0.19862	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0022 48	KCNN1	potassium intermedia te/small conductan ce calcium- activated channel, subfamily N, member 1	1.545992	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0022 48	KCNN1	potassium intermedia te/small conductan ce calcium- activated channel, subfamily N, member 1	2.517196	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1707 75	KCNN2	potassium intermedia te/small conductan ce calcium- activated channel, subfamily N, member 2	-1.532714	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_1707 75	KCNN2	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 2	-1.105019	Inlier
siRNA Disorazole DMSO Run3	NM_1707 75	KCNN2	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 2	-0.022653	Inlier
siRNA Disorazole DMSO Run1	NM_1707 75	KCNN2	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 2	-0.000463	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1707 75	KCNN2	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 2	0.000463	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_1707 75	KCNN2	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 2	0.383317	Inlier
siRNA Disorazole DMSO Run2	NM_1707 75	KCNN2	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 2	0.965683	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1707 75	KCNN2	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 2	1.075379	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1707 82	KCNN3	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 3	-1.408653	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

			potassium intermedia te/small conductan ce calcium- activated channel, subfamily N, member 3	
siRNA-Temozolomide Run2- DMSO	NM_1707 82	KCNN3		-1.006532 Inlier

			potassium intermedia te/small conductan ce calcium- activated channel, subfamily N, member 3	
siRNA Disorazole DMSO Run3	NM_1707 82	KCNN3		-0.342468 Inlier

			potassium intermedia te/small conductan ce calcium- activated channel, subfamily N, member 3	
siRNA-Temozolomide Run1- DMSO	NM_1707 82	KCNN3		-0.008806 Inlier

			potassium intermedia te/small conductan ce calcium- activated channel, subfamily N, member 3	
siRNA Disorazole DMSO Run2	NM_1707 82	KCNN3		0.008806 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1707 82	KCNN3	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 3	0.3261	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1707 82	KCNN3	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 3	1.608747	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1707 82	KCNN3	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 3	1.768914	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0022 50	KCNN4	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 4	-2.033381	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0022 50	KCNN4	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 4	-1.545928	Inlier
siRNA Disorazole DMSO Run1	NM_0022 50	KCNN4	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 4	-0.601158	Inlier
siRNA Disorazole DMSO Run3	NM_0022 50	KCNN4	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 4	-0.157116	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0022 50	KCNN4	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 4	0.157116	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0022 50	KCNN4	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 4	0.450619	Inlier
siRNA Disorazole DMSO Run2	NM_0022 50	KCNN4	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 4	0.747842	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0022 50	KCNN4	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 4	1.134111	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1817 97	KCNQ1	potassium voltage-gated channel, KQT-like subfamily, member 1	-1.561186	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1817 97	KCNQ1	potassium voltage-gated channel, KQT-like subfamily, member 1	-1.125999	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_1817 97	KCNQ1	potassium voltage-gated channel, KQT-like subfamily, member 1	-0.477257	Inlier
siRNA Disorazole DMSO Run1	NM_1817 97	KCNQ1	potassium voltage-gated channel, KQT-like subfamily, member 1	-0.299537	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1817 97	KCNQ1	potassium voltage-gated channel, KQT-like subfamily, member 1	0.299537	Inlier
siRNA Disorazole DMSO Run3	NM_1817 97	KCNQ1	potassium voltage-gated channel, KQT-like subfamily, member 1	0.547342	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1817 97	KCNQ1	potassium voltage-gated channel, KQT-like subfamily, member 1	0.801658	Inlier
siRNA Disorazole DMSO Run2	NM_1817 97	KCNQ1	potassium voltage-gated channel, KQT-like subfamily, member 1	1.380249	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1721 09	KCNQ2	potassium voltage-gated channel, KQT-like subfamily, member 2	-1.71081	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_1721 09	KCNQ2	potassium voltage-gated channel, KQT-like subfamily, member 2	-0.72555	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1721 09	KCNQ2	potassium voltage-gated channel, KQT-like subfamily, member 2	-0.542491	Inlier
siRNA Disorazole DMSO Run1	NM_1721 09	KCNQ2	potassium voltage-gated channel, KQT-like subfamily, member 2	-0.496241	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1721 09	KCNQ2	potassium voltage-gated channel, KQT-like subfamily, member 2	0.496241	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1721 09	KCNQ2	potassium voltage-gated channel, KQT-like subfamily, member 2	0.642026	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1721 09	KCNQ2	potassium voltage-gated channel, KQT-like subfamily, member 2	0.706974	Inlier
siRNA Disorazole DMSO Run2	NM_1721 09	KCNQ2	potassium voltage-gated channel, KQT-like subfamily, member 2	5.217957	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0045 19	KCNQ3	potassium voltage-gated channel, KQT-like subfamily, member 3	-2.409057	Inlier
siRNA Disorazole DMSO Run2	NM_0045 19	KCNQ3	potassium voltage-gated channel, KQT-like subfamily, member 3	-1.204423	Inlier
siRNA Disorazole DMSO Run1	NM_0045 19	KCNQ3	potassium voltage-gated channel, KQT-like subfamily, member 3	-1.046622	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0045 19	KCNQ3	potassium voltage-gated channel, KQT-like subfamily, member 3	-0.275253	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0045 19	KCNQ3	potassium voltage-gated channel, KQT-like subfamily, member 3	0.275253	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0045 19	KCNQ3	potassium voltage-gated channel, KQT-like subfamily, member 3	0.539664	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0045 19	KCNQ3	potassium voltage-gated channel, KQT-like subfamily, member 3	0.588963	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0045 19	KCNQ3	potassium voltage-gated channel, KQT-like subfamily, member 3	0.760037	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1721 63	KCNQ4	potassium voltage-gated channel, KQT-like subfamily, member 4	-2.377954	Inlier
siRNA Disorazole DMSO Run1	NM_1721 63	KCNQ4	potassium voltage-gated channel, KQT-like subfamily, member 4	-0.766993	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1721 63	KCNQ4	potassium voltage-gated channel, KQT-like subfamily, member 4	-0.582007	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1721 63	KCNQ4	potassium voltage-gated channel, KQT-like subfamily, member 4	-0.408037	Inlier
siRNA Disorazole DMSO Run3	NM_1721 63	KCNQ4	potassium voltage-gated channel, KQT-like subfamily, member 4	0.408037	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1721 63	KCNQ4	potassium voltage-gated channel, KQT-like subfamily, member 4	0.578623	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_1721 63	KCNQ4	potassium voltage-gated channel, KQT-like subfamily, member 4	0.902698	Inlier
siRNA Disorazole DMSO Run2	NM_1721 63	KCNQ4	potassium voltage-gated channel, KQT-like subfamily, member 4	2.920381	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0198 42	KCNQ5	potassium voltage-gated channel, KQT-like subfamily, member 5	-2.268236	Inlier
siRNA Disorazole DMSO Run1	NM_0198 42	KCNQ5	potassium voltage-gated channel, KQT-like subfamily, member 5	-0.581237	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0198 42	KCNQ5	potassium voltage-gated channel, KQT-like subfamily, member 5	-0.520477	Inlier
siRNA Disorazole DMSO Run2	NM_0198 42	KCNQ5	potassium voltage-gated channel, KQT-like subfamily, member 5	-0.065758	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0198 42	KCNQ5	potassium voltage-gated channel, KQT-like subfamily, member 5	0.065758	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0198 42	KCNQ5	potassium voltage-gated channel, KQT-like subfamily, member 5	0.767763	Inlier
siRNA Disorazole DMSO Run3	NM_0198 42	KCNQ5	potassium voltage-gated channel, KQT-like subfamily, member 5	0.911609	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0198 42	KCNQ5	potassium voltage-gated channel, KQT-like subfamily, member 5	2.58281	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0022 51	KCNS1	potassium voltage-gated channel, delayed-rectifier, subfamily S, member 1	-2.786475	Inlier
siRNA Disorazole DMSO Run1	NM_0022 51	KCNS1	potassium voltage-gated channel, delayed-rectifier, subfamily S, member 1	-0.61041	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0022 51	KCNS1	potassium voltage-gated channel, delayed-rectifier, subfamily S, member 1	-0.324321	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0022 51	KCNS1	potassium voltage-gated channel, delayed-rectifier, subfamily S, member 1	-0.254561	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0022 51	KCNS1	potassium voltage-gated channel, delayed-rectifier, subfamily S, member 1	0.254561	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0022 51	KCNS1	potassium voltage-gated channel, delayed-rectifier, subfamily S, member 1	0.73859	Inlier
siRNA Disorazole DMSO Run2	NM_0022 51	KCNS1	potassium voltage-gated channel, delayed-rectifier, subfamily S, member 1	1.637779	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0022 51	KCNS1	potassium voltage-gated channel, delayed-rectifier, subfamily S, member 1	1.670739	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_020697	KCNS2	potassium voltage-gated channel, delayed-rectifier, subfamily S, member 2	-1.438259	Inlier
siRNA-Temozolomide Run2-DMSO	NM_020697	KCNS2	potassium voltage-gated channel, delayed-rectifier, subfamily S, member 2	-0.998079	Inlier
siRNA-Temozolomide Run1-DMSO	NM_020697	KCNS2	potassium voltage-gated channel, delayed-rectifier, subfamily S, member 2	-0.707259	Inlier
siRNA Disorazole DMSO Run2	NM_020697	KCNS2	potassium voltage-gated channel, delayed-rectifier, subfamily S, member 2	-0.054954	Inlier
siRNA Disorazole DMSO Run3	NM_020697	KCNS2	potassium voltage-gated channel, delayed-rectifier, subfamily S, member 2	0.054954	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0206 97	KCNS2	potassium voltage-gated channel, delayed-rectifier, subfamily S, member 2	0.475761	Inlier
siRNA Disorazole DMSO Run1	NM_0206 97	KCNS2	potassium voltage-gated channel, delayed-rectifier, subfamily S, member 2	0.656246	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0206 97	KCNS2	potassium voltage-gated channel, delayed-rectifier, subfamily S, member 2	0.692754	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0022 52	KCNS3	potassium voltage-gated channel, delayed-rectifier, subfamily S, member 3	-1.190983	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0022 52	KCNS3	potassium voltage-gated channel, delayed-rectifier, subfamily S, member 3	-0.76074	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0022 52	KCNS3	potassium voltage-gated channel, delayed-rectifier, subfamily S, member 3	-0.58826	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0022 52	KCNS3	potassium voltage-gated channel, delayed-rectifier, subfamily S, member 3	-0.109344	Inlier
siRNA Disorazole DMSO Run1	NM_0022 52	KCNS3	potassium voltage-gated channel, delayed-rectifier, subfamily S, member 3	0.109344	Inlier
siRNA Disorazole DMSO Run2	NM_0022 52	KCNS3	potassium voltage-gated channel, delayed-rectifier, subfamily S, member 3	0.578666	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0022 52	KCNS3	potassium voltage-gated channel, delayed-rectifier, subfamily S, member 3	0.847862	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_002252	KCNS3	potassium voltage-gated channel, delayed-rectifier, subfamily S, member 3	1.273707	Inlier
siRNA Disorazole DMSO Run1	NM_014379	KCNV1	potassium channel, subfamily V, member 1	-0.884646	Inlier
siRNA-Temozolomide Run2-DMSO	NM_014379	KCNV1	potassium channel, subfamily V, member 1	-0.779559	Inlier
siRNA-Temozolomide Run3-DMSO	NM_014379	KCNV1	potassium channel, subfamily V, member 1	-0.569441	Inlier
siRNA-Vinblastine Run2-DMSO	NM_014379	KCNV1	potassium channel, subfamily V, member 1	-0.309694	Inlier
siRNA-Temozolomide Run1-DMSO	NM_014379	KCNV1	potassium channel, subfamily V, member 1	0.309693	Inlier
siRNA Disorazole DMSO Run3	NM_014379	KCNV1	potassium channel, subfamily V, member 1	0.4351	Inlier
siRNA-Vinblastine Run1-DMSO	NM_014379	KCNV1	potassium channel, subfamily V, member 1	1.184807	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0143 79	KCNV1	potassium channel, subfamily V, member 1	1.599713	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1334 97	KCNV2	potassium channel, subfamily V, member 2	-2.688842	Inlier
siRNA Disorazole DMSO Run2	NM_1334 97	KCNV2	potassium channel, subfamily V, member 2	-1.623048	Inlier
siRNA Disorazole DMSO Run1	NM_1334 97	KCNV2	potassium channel, subfamily V, member 2	-0.562821	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1334 97	KCNV2	potassium channel, subfamily V, member 2	-0.134885	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1334 97	KCNV2	potassium channel, subfamily V, member 2	0.134885	Inlier
siRNA Disorazole DMSO Run3	NM_1334 97	KCNV2	potassium channel, subfamily V, member 2	0.393682	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1334 97	KCNV2	potassium channel, subfamily V, member 2	0.786179	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_133497	KCNV2	potassium channel, subfamily V, member 2	1.4371	Inlier
siRNA-Temozolomide Run3-DMSO	NM_031954	KCTD10	potassium channel tetramerisation domain containing 10	-1.340229	Inlier
siRNA Disorazole DMSO Run2	NM_031954	KCTD10	potassium channel tetramerisation domain containing 10	-0.697601	Inlier
siRNA Disorazole DMSO Run3	NM_031954	KCTD10	potassium channel tetramerisation domain containing 10	-0.651399	Inlier
siRNA-Temozolomide Run2-DMSO	NM_031954	KCTD10	potassium channel tetramerisation domain containing 10	-0.302675	Inlier
siRNA Disorazole DMSO Run1	NM_031954	KCTD10	potassium channel tetramerisation domain containing 10	0.302676	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0319 54	KCTD10	potassium channel tetrameris ation domain containing 10	0.638931 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0319 54	KCTD10	potassium channel tetrameris ation domain containing 10	1.158149 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0319 54	KCTD10	potassium channel tetrameris ation domain containing 10	1.260359 Inlier
siRNA Disorazole DMSO Run1	NM_1788 63	KCTD13	potassium channel tetrameris ation domain containing 13	-3.082411 Inlier
siRNA-Temozolomide Run3-DMSO	NM_1788 63	KCTD13	potassium channel tetrameris ation domain containing 13	-2.034697 Inlier
siRNA-Vinblastine Run2-DMSO	NM_1788 63	KCTD13	potassium channel tetrameris ation domain containing 13	-0.685173 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_1788 63	KCTD13	potassium channel tetramerisation domain containing 13	-0.020581	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1788 63	KCTD13	potassium channel tetramerisation domain containing 13	0.020581	Inlier
siRNA Disorazole DMSO Run3	NM_1788 63	KCTD13	potassium channel tetramerisation domain containing 13	0.173785	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1788 63	KCTD13	potassium channel tetramerisation domain containing 13	0.663827	Inlier
siRNA Disorazole DMSO Run2	NM_1788 63	KCTD13	potassium channel tetramerisation domain containing 13	2.615287	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0189 92	KCTD5	potassium channel tetramerisation domain containing 5	-1.860977	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0189 92	KCTD5	potassium channel tetrameris ation domain containing 5	-1.439688	Inlier
siRNA Disorazole DMSO Run1	NM_0189 92	KCTD5	potassium channel tetrameris ation domain containing 5	-0.275934	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0189 92	KCTD5	potassium channel tetrameris ation domain containing 5	-0.011661	Inlier
siRNA Disorazole DMSO Run3	NM_0189 92	KCTD5	potassium channel tetrameris ation domain containing 5	0.011661	Inlier
siRNA Disorazole DMSO Run2	NM_0189 92	KCTD5	potassium channel tetrameris ation domain containing 5	0.055991	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0189 92	KCTD5	potassium channel tetrameris ation domain containing 5	1.073066	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_018992	KCTD5	potassium channel tetramerisation domain containing 5 KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 1	1.318883	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006801	KDELR1	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 1	-1.414231	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006801	KDELR1	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 1	-1.321658	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006801	KDELR1	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 1	-0.412919	Inlier
siRNA Disorazole DMSO Run3	NM_006801	KDELR1	protein retention receptor 1	-0.03786	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Description	Log2 Fold Change	Outlier Status
siRNA-Temozolomide Run1-DMSO	NM_006801	KDELR1	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 1	0.03786	Inlier
siRNA Disorazole DMSO Run1	NM_006801	KDELR1	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 1	0.661723	Inlier
siRNA Disorazole DMSO Run2	NM_006801	KDELR1	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 1	0.687277	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006801	KDELR1	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 1	1.780239	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006854	KDELR2	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 2	-2.533822	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Gene ID	Gene Name	Score	Outlier
siRNA Disorazole DMSO Run1	KDEL2	NM_006854	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 2	-0.506222	Inlier
siRNA-Temozolomide Run2-DMSO	KDEL2	NM_006854	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 2	-0.398371	Inlier
siRNA Disorazole DMSO Run3	KDEL2	NM_006854	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 2	-0.0778	Inlier
siRNA-Temozolomide Run1-DMSO	KDEL2	NM_006854	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 2	0.0778	Inlier
siRNA-Temozolomide Run3-DMSO	KDEL2	NM_006854	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 2	0.842778	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0068 54	KDELR2	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 2	2.91285	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0068 54	KDELR2	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 2	3.295166	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0166 57	KDELR3	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 3	-2.273493	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0166 57	KDELR3	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 3	-0.695716	Inlier
siRNA Disorazole DMSO Run1	NM_0166 57	KDELR3	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 3	-0.253477	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

				KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 3	
siRNA Disorazole DMSO Run3	NM_0166 57	KDEL3			-0.14328 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0166 57	KDEL3		KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 3	0.14328 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0166 57	KDEL3		KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 3	0.653284 Inlier
siRNA Disorazole DMSO Run2	NM_0166 57	KDEL3		KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 3	1.249102 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0166 57	KDEL3		KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 3	2.672014 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0022 53	KDR	kinase insert domain receptor (a type III receptor tyrosine kinase)	-1.348639	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0022 53	KDR	kinase insert domain receptor (a type III receptor tyrosine kinase)	-1.035821	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0022 53	KDR	kinase insert domain receptor (a type III receptor tyrosine kinase)	-0.82293	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0022 53	KDR	kinase insert domain receptor (a type III receptor tyrosine kinase)	-0.378832	Inlier
siRNA Disorazole DMSO Run3	NM_0022 53	KDR	kinase insert domain receptor (a type III receptor tyrosine kinase)	0.378832	Inlier
siRNA Disorazole DMSO Run1	NM_0022 53	KDR	kinase insert domain receptor (a type III receptor tyrosine kinase)	0.503229	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0022 53	KDR	kinase insert domain receptor (a type III receptor tyrosine kinase)	0.670988	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0022 53	KDR	kinase insert domain receptor (a type III receptor tyrosine kinase)	0.678012	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0004 20	KEL	Kell blood group	-0.785904	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0004 20	KEL	Kell blood group	-0.69169	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0004 20	KEL	Kell blood group	-0.374064	Inlier
siRNA Disorazole DMSO Run3	NM_0004 20	KEL	Kell blood group	-0.146908	Inlier
siRNA Disorazole DMSO Run1	NM_0004 20	KEL	Kell blood group	0.146908	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0004 20	KEL	Kell blood group	0.65731	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0004 20	KEL	Kell blood group	0.899231	Inlier
siRNA Disorazole DMSO Run2	NM_0004 20	KEL	Kell blood group	1.874993	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0064 88	KHK	ketohehexoki nase (fructokina se)	-2.492566	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0064 88	KHK	ketohehexoki nase (fructokina se)	-0.646143	Inlier
siRNA Disorazole DMSO Run2	NM_0064 88	KHK	ketohehexoki nase (fructokina se)	-0.578166	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0064 88	KHK	ketohehexoki nase (fructokina se)	-0.509275	Inlier
siRNA Disorazole DMSO Run1	NM_0064 88	KHK	ketohehexoki nase (fructokina se)	0.509273	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_006488	KHK	ketoheokinase (fructokinase)	0.702857	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006488	KHK	ketoheokinase (fructokinase)	2.844096	Inlier
siRNA Disorazole DMSO Run3	NM_006488	KHK	ketoheokinase (fructokinase)	8.046178	Outlier
siRNA-Temozolomide Run3-DMSO	NM_003685	KHSRP	KH-type splicing regulatory protein (FUSE binding protein 2)	-1.961622	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003685	KHSRP	KH-type splicing regulatory protein (FUSE binding protein 2)	-1.507532	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003685	KHSRP	KH-type splicing regulatory protein (FUSE binding protein 2)	-0.712297	Inlier
siRNA Disorazole DMSO Run3	NM_003685	KHSRP	KH-type splicing regulatory protein (FUSE binding protein 2)	-0.010089	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003685	KHSRP	KH-type splicing regulatory protein (FUSE binding protein 2)	0.010089	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Accession	Protein Name	Score	Outlier Type
siRNA Disorazole DMSO Run1	NM_0036	85	KHSRP	0.406491	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0036	85	KHSRP	0.636703	Inlier
siRNA Disorazole DMSO Run2	NM_0036	85	KHSRP	0.944774	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0153	42	KIAA0073	-1.228047	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0153	42	KIAA0073	-0.660727	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0153	42	KIAA0073	-0.580258	Inlier

KH-type splicing regulatory protein (FUSE binding protein 2)
 KH-type splicing regulatory protein (FUSE binding protein 2)
 KH-type splicing regulatory protein (FUSE binding protein 2)
 peptidylprolyl isomerase domain and WD repeat containing 1
 peptidylprolyl isomerase domain and WD repeat containing 1
 peptidylprolyl isomerase domain and WD repeat containing 1

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Accession	Protein Domain	Score	Outlier Status
siRNA-Vinblastine Run2-DMSO	NM_0153 42	KIAA0073	peptidylprolyl isomerase domain and WD repeat containing	-0.083428	Inlier
siRNA Disorazole DMSO Run3	NM_0153 42	KIAA0073	peptidylprolyl isomerase domain and WD repeat containing	0.083428	Inlier
siRNA Disorazole DMSO Run1	NM_0153 42	KIAA0073	peptidylprolyl isomerase domain and WD repeat containing	0.688273	Inlier
siRNA Disorazole DMSO Run2	NM_0153 42	KIAA0073	peptidylprolyl isomerase domain and WD repeat containing	0.909919	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0153 42	KIAA0073	peptidylprolyl isomerase domain and WD repeat containing	1.023167	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0150 27	KIAA0251	KIAA0251	-2.082602	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0150 27	KIAA0251	KIAA0251	-1.187779	Inlier
siRNA Disorazole DMSO Run3	NM_0150 27	KIAA0251	KIAA0251	-0.479292	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0150 27	KIAA0251	KIAA0251	-0.071357	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0150 27	KIAA0251	KIAA0251	0.071357	Inlier
siRNA Disorazole DMSO Run1	NM_0150 27	KIAA0251	KIAA0251	0.267653	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_0150				
siRNA Disorazole DMSO Run2	27	KIAA0251	KIAA0251	0.869708	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0150 27	KIAA0251	KIAA0251	1.155153	Inlier
siRNA-Temozolomide Run3-DMSO	XM_37133 2	KIAA0449	kinesin family member 21B	-1.324294	Inlier
siRNA Disorazole DMSO Run3	XM_37133 2	KIAA0449	kinesin family member 21B	-0.712116	Inlier
siRNA-Temozolomide Run2-DMSO	XM_37133 2	KIAA0449	kinesin family member 21B	-0.583887	Inlier
siRNA-Vinblastine Run2-DMSO	XM_37133 2	KIAA0449	kinesin family member 21B	-0.43703	Inlier
siRNA Disorazole DMSO Run1	XM_37133 2	KIAA0449	kinesin family member 21B	0.43703	Inlier
siRNA-Temozolomide Run1-DMSO	XM_37133 2	KIAA0449	kinesin family member 21B	0.636884	Inlier
siRNA Disorazole DMSO Run2	XM_37133 2	KIAA0449	kinesin family member 21B	2.894955	Inlier
siRNA-Vinblastine Run1-DMSO	XM_37133 2	KIAA0449	kinesin family member 21B	3.048224	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0152 84	KIAA0467	KIAA0467	-0.684146	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0152 84	KIAA0467	KIAA0467	-0.664854	Inlier
siRNA Disorazole DMSO Run3	NM_0152 84	KIAA0467	KIAA0467	-0.401387	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0152 84	KIAA0467	KIAA0467	-0.045537	Inlier
siRNA Disorazole DMSO Run1	NM_0152 84	KIAA0467	KIAA0467	0.045537	Inlier
siRNA Disorazole DMSO Run2	NM_0152 84	KIAA0467	KIAA0467	0.697547	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0152 84	KIAA0467	KIAA0467	0.703156	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0152 84	KIAA0467	KIAA0467	0.946604	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	XM_03979	6	KIAA0551	TRAF2 and NCK interacting kinase	-0.867142	Inlier
siRNA Disorazole DMSO Run3	XM_03979	6	KIAA0551	TRAF2 and NCK interacting kinase	-0.654908	Inlier
siRNA-Temozolomide Run3- DMSO	XM_03979	6	KIAA0551	TRAF2 and NCK interacting kinase	-0.585765	Inlier
siRNA-Temozolomide Run2- DMSO	XM_03979	6	KIAA0551	TRAF2 and NCK interacting kinase	-0.219581	Inlier
siRNA-Temozolomide Run1- DMSO	XM_03979	6	KIAA0551	TRAF2 and NCK interacting kinase	0.219581	Inlier
siRNA Disorazole DMSO Run1	XM_03979	6	KIAA0551	TRAF2 and NCK interacting kinase	0.694092	Inlier
siRNA-Vinblastine Run1- DMSO	XM_03979	6	KIAA0551	TRAF2 and NCK interacting kinase	1.175979	Inlier
siRNA-Vinblastine Run2- DMSO	XM_03979	6	KIAA0551	TRAF2 and NCK interacting kinase	1.689924	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0146	94	KIAA0605	ADAMTS- like 2	-1.526029	Inlier
siRNA Disorazole DMSO Run1	NM_0146	94	KIAA0605	ADAMTS- like 2	-0.816789	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0146	94	KIAA0605	ADAMTS- like 2	-0.532211	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0146	94	KIAA0605	ADAMTS- like 2	-0.382789	Inlier
siRNA Disorazole DMSO Run2	NM_0146	94	KIAA0605	ADAMTS- like 2	0.38279	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0146	94	KIAA0605	ADAMTS- like 2	0.455324	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0146	94	KIAA0605	ADAMTS- like 2	0.983361	Inlier
siRNA Disorazole DMSO Run3	NM_0146	94	KIAA0605	ADAMTS- like 2	1.954406	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0216 47	KIAA0626	microfibrillar-associated protein 3-like	-1.261512	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0216 47	KIAA0626	microfibrillar-associated protein 3-like	-0.735006	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0216 47	KIAA0626	microfibrillar-associated protein 3-like	-0.502552	Inlier
siRNA Disorazole DMSO Run2	NM_0216 47	KIAA0626	microfibrillar-associated protein 3-like	-0.284628	Inlier
siRNA Disorazole DMSO Run3	NM_0216 47	KIAA0626	microfibrillar-associated protein 3-like	0.284628	Inlier
siRNA Disorazole DMSO Run1	NM_0216 47	KIAA0626	microfibrillar-associated protein 3-like	0.613994	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0216 47	KIAA0626	microfibrillar-associated protein 3-like	0.783788	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0216 47	KIAA0626	microfibrillar-associated protein 3-like	1.681152	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0152 29	KIAA0664	KIAA0664	-1.493239	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0152 29	KIAA0664	KIAA0664	-1.004938	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0152 29	KIAA0664	KIAA0664	-0.344062	Inlier
siRNA Disorazole DMSO Run3	NM_0152 29	KIAA0664	KIAA0664	-0.038336	Inlier
siRNA Disorazole DMSO Run1	NM_0152 29	KIAA0664	KIAA0664	0.038336	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0152 29	KIAA0664	KIAA0664	0.29304	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_0152				
siRNA Disorazole DMSO Run2	29	KIAA0664	KIAA0664	1.421456	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0152 29	KIAA0664	KIAA0664	1.442014	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0153 28	KIAA0828	KIAA0828	-2.188941	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0153 28	KIAA0828	KIAA0828	-0.624091	Inlier
siRNA Disorazole DMSO Run3	NM_0153 28	KIAA0828	KIAA0828	-0.208087	Inlier
siRNA Disorazole DMSO Run1	28	KIAA0828	KIAA0828	-0.172564	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0153 28	KIAA0828	KIAA0828	0.172565	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0153 28	KIAA0828	KIAA0828	0.724909	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0153 28	KIAA0828	KIAA0828	3.850284	Outlier
siRNA Disorazole DMSO Run2	NM_0153 28	KIAA0828	KIAA0828	5.344507	Outlier
			MCF.2 cell line derived transformi ng sequence- like 2		
siRNA-Temozolomide Run3-DMSO	NM_0150 78	KIAA0861	MCF.2 cell line derived transformi ng sequence- like 2	-1.473876	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0150 78	KIAA0861	MCF.2 cell line derived transformi ng sequence- like 2	-0.402298	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0150 78	KIAA0861	MCF.2 cell line derived transformi ng sequence- like 2	-0.262554	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0150 78	KIAA0861	sequence- like 2	-0.218244	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

				MCF.2 cell line derived transformi ng	
siRNA Disorazole DMSO Run3	NM_0150 78	KIAA0861	sequence- like 2	0.218244	Inlier
			MCF.2 cell line derived transformi ng		
siRNA Disorazole DMSO Run1	NM_0150 78	KIAA0861	sequence- like 2	0.946702	Inlier
			MCF.2 cell line derived transformi ng		
siRNA Disorazole DMSO Run2	NM_0150 78	KIAA0861	sequence- like 2	1.792658	Inlier
			MCF.2 cell line derived transformi ng		
siRNA-Vinblastine Run1- DMSO	NM_0150 78	KIAA0861	sequence- like 2	2.169206	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0251 64	KIAA0999	KIAA0999	-1.191625	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0251 64	KIAA0999	KIAA0999	-0.762704	Inlier
	NM_0251 64	KIAA0999	KIAA0999	-0.388365	Inlier
siRNA Disorazole DMSO Run2	NM_0251 64	KIAA0999	KIAA0999	-0.321231	Inlier
siRNA Disorazole DMSO Run3	NM_0251 64	KIAA0999	KIAA0999	0.32123	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0251 64	KIAA0999	KIAA0999	0.586296	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0251 64	KIAA0999	KIAA0999	1.265548	Inlier
siRNA Disorazole DMSO Run1	NM_0251 64	KIAA0999	KIAA0999	4.824164	Outlier
siRNA-Vinblastine Run2- DMSO	NM_0251 64	KIAA0999	KIAA0999		
			family with sequence similarity		
siRNA-Vinblastine Run2- DMSO	NM_0190 92	KIAA1164	63, member B	-1.617421	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0190 92	KIAA1164	family with sequence similarity 63, member B	-1.119339	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0190 92	KIAA1164	family with sequence similarity 63, member B	-0.431022	Inlier
siRNA Disorazole DMSO Run1	NM_0190 92	KIAA1164	family with sequence similarity 63, member B	-0.184498	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0190 92	KIAA1164	family with sequence similarity 63, member B	0.184498	Inlier
siRNA Disorazole DMSO Run2	NM_0190 92	KIAA1164	family with sequence similarity 63, member B	0.599457	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0190 92	KIAA1164	family with sequence similarity 63, member B	0.749543	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0190 92	KIAA1164	family with sequence similarity 63, member B	1.162263	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0195 93	KIAA1434	KIAA1434	-1.384997	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Temozolomide Run1- DMSO	NM_0195 93	KIAA1434	KIAA1434	-1.198614	Inlier
siRNA Disorazole DMSO Run2	NM_0195 93	KIAA1434	KIAA1434	-0.396109	Inlier
siRNA Disorazole DMSO Run1	NM_0195 93	KIAA1434	KIAA1434	-0.287521	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0195 93	KIAA1434	KIAA1434	0.28752	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0195 93	KIAA1434	KIAA1434	0.421368	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0195 93	KIAA1434	KIAA1434	0.927632	Inlier
siRNA Disorazole DMSO Run3	NM_0195 93	KIAA1434	KIAA1434	1.125717	Inlier
siRNA Disorazole DMSO Run2	NM_0208 36	KIAA1446	KIAA1446	-1.010008	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0208 36	KIAA1446	KIAA1446	-0.919091	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0208 36	KIAA1446	KIAA1446	-0.896947	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0208 36	KIAA1446	KIAA1446	-0.232627	Inlier
siRNA Disorazole DMSO Run3	NM_0208 36	KIAA1446	KIAA1446	0.232627	Inlier
siRNA Disorazole DMSO Run1	NM_0208 36	KIAA1446	KIAA1446	0.266998	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0208 36	KIAA1446	KIAA1446	0.648209	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0208 36	KIAA1446	KIAA1446	0.700791	Inlier
siRNA Disorazole DMSO Run2	NM_0209 25	KIAA1573	KIAA1573	-1.363119	Inlier
siRNA Disorazole DMSO Run3	NM_0209 25	KIAA1573	KIAA1573	-0.779362	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0209 25	KIAA1573	KIAA1573	-0.569638	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0209 25	KIAA1573	KIAA1573	-0.190716	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0209 25	KIAA1573	KIAA1573	0.190716	Inlier
siRNA Disorazole DMSO Run1	NM_0209 25	KIAA1573	KIAA1573	0.431349	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0209 25	KIAA1573	KIAA1573	1.011971	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0209 25	KIAA1573	KIAA1573	1.77691	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0209 27	KIAA1576	KIAA1576	-4.928568	Outlier
siRNA-Temozolomide Run1- DMSO	NM_0209 27	KIAA1576	KIAA1576	-1.245096	Inlier
siRNA Disorazole DMSO Run3	NM_0209 27	KIAA1576	KIAA1576	-0.794333	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_0209				
siRNA Disorazole DMSO Run1	27	KIAA1576	KIAA1576	-0.500036	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0209 27	KIAA1576	KIAA1576	0.500036	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0209 27	KIAA1576	KIAA1576	0.517923	Inlier
siRNA Disorazole DMSO Run2	NM_0209 27	KIAA1576	KIAA1576	0.554667	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0209 27	KIAA1576	KIAA1576	3.871778	Outlier
			doublecort in and CaM kinase-like		
siRNA Disorazole DMSO Run2	XM_04735 5	KIAA1765	3	-1.337285	Inlier
			doublecort in and CaM kinase-like		
siRNA-Temozolomide Run3-DMSO	XM_04735 5	KIAA1765	3	-1.104856	Inlier
			doublecort in and CaM kinase-like		
siRNA-Temozolomide Run1-DMSO	XM_04735 5	KIAA1765	3	-0.221183	Inlier
			doublecort in and CaM kinase-like		
siRNA Disorazole DMSO Run3	XM_04735 5	KIAA1765	3	-0.007572	Inlier
			doublecort in and CaM kinase-like		
siRNA-Temozolomide Run2-DMSO	XM_04735 5	KIAA1765	3	0.007572	Inlier
			doublecort in and CaM kinase-like		
siRNA Disorazole DMSO Run1	XM_04735 5	KIAA1765	3	0.495647	Inlier
			doublecort in and CaM kinase-like		
siRNA-Vinblastine Run1-DMSO	XM_04735 5	KIAA1765	3	0.853353	Inlier
			doublecort in and CaM kinase-like		
siRNA-Vinblastine Run2-DMSO	XM_04735 5	KIAA1765	3	0.938989	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0324 35	KIAA1804	KIAA1804	-3.087065	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Vinblastine Run1- DMSO	NM_0324 35	KIAA1804	KIAA1804	-1.35809	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0324 35	KIAA1804	KIAA1804	-0.706767	Inlier
siRNA Disorazole DMSO Run3	NM_0324 35	KIAA1804	KIAA1804	-0.004422	Inlier
siRNA Disorazole DMSO Run1	NM_0324 35	KIAA1804	KIAA1804	0.00442	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0324 35	KIAA1804	KIAA1804	0.493419	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0324 35	KIAA1804	KIAA1804	0.642233	Inlier
siRNA Disorazole DMSO Run2	NM_0324 35	KIAA1804	KIAA1804	1.203327	Inlier
siRNA Disorazole DMSO Run2	NM_0324 30	KIAA1811	BR kinase 1 serine/thre onine	-0.890703	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0324 30	KIAA1811	BR kinase 1 serine/thre onine	-0.734996	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0324 30	KIAA1811	BR kinase 1 serine/thre onine	-0.657111	Inlier
siRNA Disorazole DMSO Run3	NM_0324 30	KIAA1811	BR kinase 1 serine/thre onine	-0.382	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0324 30	KIAA1811	BR kinase 1 serine/thre onine	0.382	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0324 30	KIAA1811	BR kinase 1 serine/thre onine	0.583011	Inlier
siRNA Disorazole DMSO Run1	NM_0324 30	KIAA1811	BR kinase 1 serine/thre onine	0.691889	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0324 30	KIAA1811	BR kinase 1 kinesin family member	0.811282	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0045 23	KIF11	11	-0.704715	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0045 23	KIF11	kinesin family member 11	-0.644285	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0045 23	KIF11	kinesin family member 11	-0.382038	Inlier
siRNA Disorazole DMSO Run3	NM_0045 23	KIF11	kinesin family member 11	-0.362427	Inlier
siRNA Disorazole DMSO Run1	NM_0045 23	KIF11	kinesin family member 11	0.362427	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0045 23	KIF11	kinesin family member 11	1.07685	Inlier
siRNA Disorazole DMSO Run2	NM_0045 23	KIF11	kinesin family member 11	1.143841	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0045 23	KIF11	kinesin family member 11	1.199392	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1384 24	KIF12	kinesin family member 12	-1.101342	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1384 24	KIF12	kinesin family member 12	-0.646587	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1384 24	KIF12	kinesin family member 12	-0.624006	Inlier
siRNA Disorazole DMSO Run1	NM_1384 24	KIF12	kinesin family member 12	-0.094236	Inlier
siRNA Disorazole DMSO Run3	NM_1384 24	KIF12	kinesin family member 12	0.094236	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1384 24	KIF12	kinesin family member 12	0.702413	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_1384 24	KIF12	kinesin family member 12	1.821126	Inlier
siRNA Disorazole DMSO Run2	NM_1384 24	KIF12	kinesin family member 12	2.108425	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0221 13	KIF13A	kinesin family member 13A	-1.589992	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0221 13	KIF13A	kinesin family member 13A	-0.910289	Inlier
siRNA Disorazole DMSO Run3	NM_0221 13	KIF13A	kinesin family member 13A	-0.408318	Inlier
siRNA Disorazole DMSO Run1	NM_0221 13	KIF13A	kinesin family member 13A	-0.364164	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0221 13	KIF13A	kinesin family member 13A	0.364165	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0221 13	KIF13A	kinesin family member 13A	0.438711	Inlier
siRNA Disorazole DMSO Run2	NM_0221 13	KIF13A	kinesin family member 13A	2.107805	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0221 13	KIF13A	kinesin family member 13A	2.340962	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0152 54	KIF13B	kinesin family member 13B	-1.028766	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0152 54	KIF13B	kinesin family member 13B	-0.629216	Inlier
siRNA Disorazole DMSO Run3	NM_0152 54	KIF13B	kinesin family member 13B	-0.487435	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0152 54	KIF13B	kinesin family member 13B	-0.388248	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0152 54	KIF13B	kinesin family member 13B	0.388248	Inlier
siRNA Disorazole DMSO Run1	NM_0152 54	KIF13B	kinesin family member 13B	0.719784	Inlier
siRNA Disorazole DMSO Run2	NM_0152 54	KIF13B	kinesin family member 13B	2.288031	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0152 54	KIF13B	kinesin family member 13B	2.550917	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0148 75	KIF14	kinesin family member 14	-2.268062	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0148 75	KIF14	kinesin family member 14	-0.743752	Inlier
siRNA Disorazole DMSO Run2	NM_0148 75	KIF14	kinesin family member 14	-0.605248	Inlier
siRNA Disorazole DMSO Run3	NM_0148 75	KIF14	kinesin family member 14	-0.143427	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0148 75	KIF14	kinesin family member 14	0.143428	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0148 75	KIF14	kinesin family member 14	0.369929	Inlier
siRNA Disorazole DMSO Run1	NM_0148 75	KIF14	kinesin family member 14	1.342128	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0148 75	KIF14	kinesin family member 14	3.023339	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0208 16	KIF17	kinesin family member 17	-3.459946 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0208 16	KIF17	kinesin family member 17	-1.103734 Inlier
siRNA Disorazole DMSO Run3	NM_0208 16	KIF17	kinesin family member 17	-0.209039 Inlier
siRNA Disorazole DMSO Run1	NM_0208 16	KIF17	kinesin family member 17	-0.207454 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0208 16	KIF17	kinesin family member 17	0.207454 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0208 16	KIF17	kinesin family member 17	0.245266 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0208 16	KIF17	kinesin family member 17	2.879083 Inlier
siRNA Disorazole DMSO Run2	NM_0208 16	KIF17	kinesin family member 17	3.462935 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0312 17	KIF18A	kinesin family member 18A	-0.697047 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0312 17	KIF18A	kinesin family member 18A	-0.651953 Inlier
siRNA Disorazole DMSO Run3	NM_0312 17	KIF18A	kinesin family member 18A	-0.327087 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0312 17	KIF18A	kinesin family member 18A	-0.259746 Inlier
siRNA Disorazole DMSO Run1	NM_0312 17	KIF18A	kinesin family member 18A	0.259747 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Family	Value	Category
siRNA-Temozolomide Run1-DMSO	NM_0312 17	KIF18A	kinesin family member 18A	4.489262	Outlier
siRNA Disorazole DMSO Run2	NM_0312 17	KIF18A	kinesin family member 18A	7.920432	Outlier
siRNA-Vinblastine Run1-DMSO	NM_0312 17	KIF18A	kinesin family member 18A	8.324604	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0150 74	KIF1B	kinesin family member 1B	-3.815166	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0150 74	KIF1B	kinesin family member 1B	-0.909134	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0150 74	KIF1B	kinesin family member 1B	-0.439866	Inlier
siRNA Disorazole DMSO Run1	NM_0150 74	KIF1B	kinesin family member 1B	-0.13486	Inlier
siRNA Disorazole DMSO Run3	NM_0150 74	KIF1B	kinesin family member 1B	0.13486	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0150 74	KIF1B	kinesin family member 1B	0.137742	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0150 74	KIF1B	kinesin family member 1B	2.440941	Inlier
siRNA Disorazole DMSO Run2	NM_0150 74	KIF1B	kinesin family member 1B	2.966372	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0066 12	KIF1C	kinesin family member 1C	-1.037384	Inlier
siRNA Disorazole DMSO Run3	NM_0066 12	KIF1C	kinesin family member 1C	-0.767218	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0066 12	KIF1C	kinesin family member 1C	-0.338828	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0066 12	KIF1C	kinesin family member 1C	-0.197106	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0066 12	KIF1C	kinesin family member 1C	0.197106	Inlier
siRNA Disorazole DMSO Run1	NM_0066 12	KIF1C	kinesin family member 1C	0.581782	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0066 12	KIF1C	kinesin family member 1C	3.384905	Inlier
siRNA Disorazole DMSO Run2	NM_0066 12	KIF1C	kinesin family member 1C	3.497039	Inlier
siRNA Disorazole DMSO Run3	NM_0045 20	KIF2	kinesin heavy chain member 2	-3.188994	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0045 20	KIF2	kinesin heavy chain member 2	-1.308551	Inlier
siRNA Disorazole DMSO Run1	NM_0045 20	KIF2	kinesin heavy chain member 2	-0.698074	Inlier
siRNA Disorazole DMSO Run2	NM_0045 20	KIF2	kinesin heavy chain member 2	-0.157425	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0045 20	KIF2	kinesin heavy chain member 2	0.157426	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0045 20	KIF2	kinesin heavy chain member 2	0.518837	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0045 20	KIF2	kinesin heavy chain member 2	0.650926	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0045 20	KIF2	kinesin heavy chain member 2	2.624815	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0057 33	KIF20A	kinesin family member 20A	-2.159906	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0057 33	KIF20A	kinesin family member 20A	-1.097609	Inlier
siRNA Disorazole DMSO Run1	NM_0057 33	KIF20A	kinesin family member 20A	-0.118292	Inlier
siRNA Disorazole DMSO Run3	NM_0057 33	KIF20A	kinesin family member 20A	-0.004734	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0057 33	KIF20A	kinesin family member 20A	0.004734	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0057 33	KIF20A	kinesin family member 20A	0.251391	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0057 33	KIF20A	kinesin family member 20A	1.955762	Inlier
siRNA Disorazole DMSO Run2	NM_0057 33	KIF20A	kinesin family member 20A	2.065058	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0176 41	KIF21A	kinesin family member 21A	-0.676838	Inlier
siRNA Disorazole DMSO Run3	NM_0176 41	KIF21A	kinesin family member 21A	-0.672162	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0176 41	KIF21A	kinesin family member 21A	-0.649761	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0176 41	KIF21A	kinesin family member 21A	-0.221658	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Family	Member	Value	Outlier
siRNA-Temozolomide Run2-DMSO	KIF21A	NM_017641	kinesin family member 21A	21A	0.221658	Inlier
siRNA Disorazole DMSO Run1	KIF21A	NM_017641	kinesin family member 21A	21A	2.126789	Inlier
siRNA Disorazole DMSO Run2	KIF21A	NM_017641	kinesin family member 21A	21A	3.227076	Inlier
siRNA-Vinblastine Run1-DMSO	KIF21A	NM_017641	kinesin family member 21A	21A	3.45541	Inlier
siRNA Disorazole DMSO Run3	KIF22	NM_007317	kinesin family member 22	22	-1.604521	Inlier
siRNA-Vinblastine Run2-DMSO	KIF22	NM_007317	kinesin family member 22	22	-0.937051	Inlier
siRNA-Temozolomide Run2-DMSO	KIF22	NM_007317	kinesin family member 22	22	-0.411949	Inlier
siRNA-Temozolomide Run1-DMSO	KIF22	NM_007317	kinesin family member 22	22	-0.160979	Inlier
siRNA Disorazole DMSO Run1	KIF22	NM_007317	kinesin family member 22	22	0.160979	Inlier
siRNA-Temozolomide Run3-DMSO	KIF22	NM_007317	kinesin family member 22	22	0.20153	Inlier
siRNA-Vinblastine Run1-DMSO	KIF22	NM_007317	kinesin family member 22	22	1.380822	Inlier
siRNA Disorazole DMSO Run2	KIF22	NM_007317	kinesin family member 22	22	1.927028	Inlier
siRNA-Temozolomide Run3-DMSO	KIF23	NM_004856	kinesin family member 23	23	-0.900422	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Family	Member	Value	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0048 56	KIF23	kinesin family member	23	-0.587483	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0048 56	KIF23	kinesin family member	23	-0.279994	Inlier
siRNA Disorazole DMSO Run3	NM_0048 56	KIF23	kinesin family member	23	-0.078173	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0048 56	KIF23	kinesin family member	23	0.078173	Inlier
siRNA Disorazole DMSO Run1	NM_0048 56	KIF23	kinesin family member	23	0.761517	Inlier
siRNA Disorazole DMSO Run2	NM_0048 56	KIF23	kinesin family member	23	1.760053	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0048 56	KIF23	kinesin family member	23	2.092773	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0182 78	KIF24	kinesin family member	24	-1.130207	Inlier
siRNA Disorazole DMSO Run1	NM_0182 78	KIF24	kinesin family member	24	-0.763137	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0182 78	KIF24	kinesin family member	24	-0.238181	Inlier
siRNA Disorazole DMSO Run3	NM_0182 78	KIF24	kinesin family member	24	-0.013804	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0182 78	KIF24	kinesin family member	24	0.013804	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0182 78	KIF24	kinesin family member	24	0.585863	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0182 78	KIF24	kinesin family member 24	1.115374	Inlier
siRNA Disorazole DMSO Run2	NM_0182 78	KIF24	kinesin family member 24	1.173376	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0306 15	KIF25	kinesin family member 25	-1.860934	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0306 15	KIF25	kinesin family member 25	-0.922257	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0306 15	KIF25	kinesin family member 25	-0.291092	Inlier
siRNA Disorazole DMSO Run3	NM_0306 15	KIF25	kinesin family member 25	-0.104701	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0306 15	KIF25	kinesin family member 25	0.104701	Inlier
siRNA Disorazole DMSO Run1	NM_0306 15	KIF25	kinesin family member 25	0.426743	Inlier
siRNA Disorazole DMSO Run2	NM_0306 15	KIF25	kinesin family member 25	1.090984	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0306 15	KIF25	kinesin family member 25	1.299822	Inlier
siRNA-Temozolomide Run3-DMSO	XM_05027 8	KIF26A	kinesin family member 26A	-1.42116	Inlier
siRNA Disorazole DMSO Run1	XM_05027 8	KIF26A	kinesin family member 26A	-0.633835	Inlier
siRNA Disorazole DMSO Run3	XM_05027 8	KIF26A	kinesin family member 26A	-0.362875	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	XM_05027 8	KIF26A	kinesin family member 26A	-0.134982 Inlier
siRNA-Temozolomide Run2-DMSO	XM_05027 8	KIF26A	kinesin family member 26A	0.134983 Inlier
siRNA-Temozolomide Run1-DMSO	XM_05027 8	KIF26A	kinesin family member 26A	0.715165 Inlier
siRNA Disorazole DMSO Run2	XM_05027 8	KIF26A	kinesin family member 26A	1.301533 Inlier
siRNA-Vinblastine Run1-DMSO	XM_05027 8	KIF26A	kinesin family member 26A	2.633376 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0175 76	KIF27	kinesin family member 27	-0.838388 Inlier
siRNA Disorazole DMSO Run3	NM_0175 76	KIF27	kinesin family member 27	-0.559777 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0175 76	KIF27	kinesin family member 27	-0.227833 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0175 76	KIF27	kinesin family member 27	-0.075156 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0175 76	KIF27	kinesin family member 27	0.075156 Inlier
siRNA Disorazole DMSO Run1	NM_0175 76	KIF27	kinesin family member 27	0.789223 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0175 76	KIF27	kinesin family member 27	4.101085 Outlier
siRNA Disorazole DMSO Run2	NM_0175 76	KIF27	kinesin family member 27	4.192748 Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0068 45	KIF2C	kinesin family member 2C	-1.425831	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0068 45	KIF2C	kinesin family member 2C	-0.722073	Inlier
siRNA Disorazole DMSO Run3	NM_0068 45	KIF2C	kinesin family member 2C	-0.626927	Inlier
siRNA Disorazole DMSO Run1	NM_0068 45	KIF2C	kinesin family member 2C	-0.102277	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0068 45	KIF2C	kinesin family member 2C	0.102277	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0068 45	KIF2C	kinesin family member 2C	0.411409	Inlier
siRNA Disorazole DMSO Run2	NM_0068 45	KIF2C	kinesin family member 2C	1.767375	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0068 45	KIF2C	kinesin family member 2C	2.140254	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0070 54	KIF3A	kinesin family member 3A	-1.374863	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0070 54	KIF3A	kinesin family member 3A	-0.997346	Inlier
siRNA Disorazole DMSO Run3	NM_0070 54	KIF3A	kinesin family member 3A	-0.351654	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0070 54	KIF3A	kinesin family member 3A	-0.161932	Inlier
siRNA Disorazole DMSO Run1	NM_0070 54	KIF3A	kinesin family member 3A	0.161931	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0070 54	KIF3A	kinesin family member 3A	0.217069	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0070 54	KIF3A	kinesin family member 3A	1.295675	Inlier
siRNA Disorazole DMSO Run2	NM_0070 54	KIF3A	kinesin family member 3A	1.500504	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0047 98	KIF3B	kinesin family member 3B	-1.403824	Inlier
siRNA Disorazole DMSO Run1	NM_0047 98	KIF3B	kinesin family member 3B	-1.333213	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0047 98	KIF3B	kinesin family member 3B	-0.385417	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0047 98	KIF3B	kinesin family member 3B	-0.008082	Inlier
siRNA Disorazole DMSO Run3	NM_0047 98	KIF3B	kinesin family member 3B	0.008082	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0047 98	KIF3B	kinesin family member 3B	0.436666	Inlier
siRNA Disorazole DMSO Run2	NM_0047 98	KIF3B	kinesin family member 3B	0.912334	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0047 98	KIF3B	kinesin family member 3B	1.079738	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0022 54	KIF3C	kinesin family member 3C	-1.894371	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0022 54	KIF3C	kinesin family member 3C	-1.667165	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0022 54	KIF3C	kinesin family member 3C	-0.487872	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0022 54	KIF3C	kinesin family member 3C	-0.008887	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0022 54	KIF3C	kinesin family member 3C	0.008887	Inlier
siRNA Disorazole DMSO Run1	NM_0022 54	KIF3C	kinesin family member 3C	0.403329	Inlier
siRNA Disorazole DMSO Run2	NM_0022 54	KIF3C	kinesin family member 3C	0.861128	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0022 54	KIF3C	kinesin family member 3C	1.222576	Inlier
siRNA Disorazole DMSO Run1	NM_0123 10	KIF4A	kinesin family member 4A	-2.075477	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0123 10	KIF4A	kinesin family member 4A	-2.020877	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0123 10	KIF4A	kinesin family member 4A	-0.933651	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0123 10	KIF4A	kinesin family member 4A	-0.166438	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0123 10	KIF4A	kinesin family member 4A	0.166438	Inlier
siRNA Disorazole DMSO Run3	NM_0123 10	KIF4A	kinesin family member 4A	0.350543	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0123 10	KIF4A	kinesin family member 4A	0.601667	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Family	Value	Inlier
siRNA Disorazole DMSO Run2	KIF4A	NM_012310	kinesin family member 4A	0.747333	Inlier
siRNA-Temozolomide Run3-DMSO	KIF5A	NM_004984	kinesin family member 5A	-1.189574	Inlier
siRNA-Temozolomide Run2-DMSO	KIF5A	NM_004984	kinesin family member 5A	-0.856475	Inlier
siRNA Disorazole DMSO Run3	KIF5A	NM_004984	kinesin family member 5A	-0.522933	Inlier
siRNA Disorazole DMSO Run1	KIF5A	NM_004984	kinesin family member 5A	-0.101485	Inlier
siRNA-Vinblastine Run2-DMSO	KIF5A	NM_004984	kinesin family member 5A	0.101485	Inlier
siRNA-Temozolomide Run1-DMSO	KIF5A	NM_004984	kinesin family member 5A	0.419468	Inlier
siRNA Disorazole DMSO Run2	KIF5A	NM_004984	kinesin family member 5A	0.826067	Inlier
siRNA-Vinblastine Run1-DMSO	KIF5A	NM_004984	kinesin family member 5A	0.911464	Inlier
siRNA-Temozolomide Run3-DMSO	KIF5B	NM_004521	kinesin family member 5B	-1.309018	Inlier
siRNA-Temozolomide Run2-DMSO	KIF5B	NM_004521	kinesin family member 5B	-0.741716	Inlier
siRNA-Vinblastine Run2-DMSO	KIF5B	NM_004521	kinesin family member 5B	-0.607284	Inlier
siRNA Disorazole DMSO Run1	KIF5B	NM_004521	kinesin family member 5B	-0.053842	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			kinesin family member	
siRNA Disorazole DMSO Run3	NM_0045 21	KIF5B	5B	0.053842 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0045 21	KIF5B	5B	0.467857 Inlier
siRNA Disorazole DMSO Run2	NM_0045 21	KIF5B	5B	1.004233 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0045 21	KIF5B	5B	1.954827 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0045 22	KIF5C	5C	-0.996101 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0045 22	KIF5C	5C	-0.634042 Inlier
siRNA Disorazole DMSO Run1	NM_0045 22	KIF5C	5C	-0.174249 Inlier
siRNA Disorazole DMSO Run3	NM_0045 22	KIF5C	5C	-0.122873 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0045 22	KIF5C	5C	0.122873 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0045 22	KIF5C	5C	0.714958 Inlier
siRNA Disorazole DMSO Run2	NM_0045 22	KIF5C	5C	1.050462 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0045 22	KIF5C	5C	2.023213 Inlier
siRNA-Temozolomide Run2-DMSO	NM_1829 03	KIF9	member 9	-1.080164 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology					
siRNA-Temozolomide Run3-DMSO	NM_1829 03	KIF9	kinesin family member 9	-0.9723	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1829 03	KIF9	kinesin family member 9	-0.3767	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1829 03	KIF9	kinesin family member 9	-0.127346	Inlier
siRNA Disorazole DMSO Run1	NM_1829 03	KIF9	kinesin family member 9	0.127346	Inlier
siRNA Disorazole DMSO Run3	NM_1829 03	KIF9	kinesin family member 9	0.312481	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1829 03	KIF9	kinesin family member 9	1.544318	Inlier
siRNA Disorazole DMSO Run2	NM_1829 03	KIF9	kinesin family member 9	1.988455	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0149 70	KIFAP3	kinesin- associated protein 3	-0.943631	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0149 70	KIFAP3	kinesin- associated protein 3	-0.405369	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0149 70	KIFAP3	kinesin- associated protein 3	-0.242631	Inlier
siRNA Disorazole DMSO Run3	NM_0149 70	KIFAP3	kinesin- associated protein 3	-0.175361	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0149 70	KIFAP3	kinesin- associated protein 3	0.175361	Inlier
siRNA Disorazole DMSO Run2	NM_0149 70	KIFAP3	kinesin- associated protein 3	1.005085	Inlier
siRNA Disorazole DMSO Run1	NM_0149 70	KIFAP3	kinesin- associated protein 3	1.007043	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0149 70	KIFAP3	kinesin-associated protein 3	1.044125	Inlier
siRNA-Temozolomide Run3-DMSO	XM_37181 3	KIFC1	kinesin family member C1	-1.70192	Inlier
siRNA-Temozolomide Run2-DMSO	XM_37181 3	KIFC1	kinesin family member C1	-1.165868	Inlier
siRNA Disorazole DMSO Run1	XM_37181 3	KIFC1	kinesin family member C1	-0.226009	Inlier
siRNA Disorazole DMSO Run3	XM_37181 3	KIFC1	kinesin family member C1	-0.125483	Inlier
siRNA-Temozolomide Run1-DMSO	XM_37181 3	KIFC1	kinesin family member C1	0.125483	Inlier
siRNA-Vinblastine Run2-DMSO	XM_37181 3	KIFC1	kinesin family member C1	0.46531	Inlier
siRNA-Vinblastine Run1-DMSO	XM_37181 3	KIFC1	kinesin family member C1	0.88369	Inlier
siRNA Disorazole DMSO Run2	XM_37181 3	KIFC1	kinesin family member C1	1.481573	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1457 54	KIFC2	kinesin family member C2	-0.989964	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1457 54	KIFC2	kinesin family member C2	-0.935901	Inlier
siRNA Disorazole DMSO Run3	NM_1457 54	KIFC2	kinesin family member C2	-0.413099	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1457 54	KIFC2	kinesin family member C2	-0.200156	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_1457 54	KIFC2	kinesin family member C2	0.200156	Inlier
siRNA Disorazole DMSO Run1	NM_1457 54	KIFC2	kinesin family member C2	0.33841	Inlier
siRNA Disorazole DMSO Run2	NM_1457 54	KIFC2	kinesin family member C2	1.952309	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1457 54	KIFC2	kinesin family member C2	2.039049	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0055 50	KIFC3	kinesin family member C3	-1.023136	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0055 50	KIFC3	kinesin family member C3	-0.830878	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0055 50	KIFC3	kinesin family member C3	-0.43743	Inlier
siRNA Disorazole DMSO Run3	NM_0055 50	KIFC3	kinesin family member C3	-0.192222	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0055 50	KIFC3	kinesin family member C3	0.192222	Inlier
siRNA Disorazole DMSO Run1	NM_0055 50	KIFC3	kinesin family member C3	0.518122	Inlier
siRNA Disorazole DMSO Run2	NM_0055 50	KIFC3	kinesin family member C3	1.278622	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0055 50	KIFC3	kinesin family member C3	1.391701	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0142 18	KIR2DL1	killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 1	-1.399196	Inlier
siRNA Disorazole DMSO Run1	NM_0142 18	KIR2DL1	killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 1	-1.058206	Inlier
siRNA Disorazole DMSO Run3	NM_0142 18	KIR2DL1	killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 1	-0.226319	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0142 18	KIR2DL1	killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 1	-0.155347	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0142 18	KIR2DL1	killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 1	0.155347	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0142 18	KIR2DL1	killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 1	0.365113	Inlier
siRNA Disorazole DMSO Run2	NM_0142 18	KIR2DL1	killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 1	0.983887	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0142 18	KIR2DL1	killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 1	1.456572	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0142 19	KIR2DL2	killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 2	-1.851257	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0142 19	KIR2DL2	killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 2	-0.938188	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Condition	Run	Gene	Log2FC	Inlier
siRNA Disorazole	DMSO	Run1	KIR2DL2	-0.410812	Inlier
siRNA-Temozolomide	Run3-DMSO		KIR2DL2	-0.021259	Inlier
siRNA Disorazole	DMSO	Run3	KIR2DL2	0.021259	Inlier
siRNA-Temozolomide	Run1-DMSO		KIR2DL2	0.049537	Inlier
siRNA Disorazole	DMSO	Run2	KIR2DL2	2.959966	Inlier

killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 2

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_014219	KIR2DL2	killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 2	4.19688	Outlier
siRNA-Vinblastine Run2-DMSO	NM_015868	KIR2DL3	killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 3	-0.977509	Inlier
siRNA-Temozolomide Run2-DMSO	NM_015868	KIR2DL3	killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 3	-0.864754	Inlier
siRNA Disorazole DMSO Run3	NM_015868	KIR2DL3	killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 3	-0.37182	Inlier
siRNA Disorazole DMSO Run1	NM_015868	KIR2DL3	killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 3	-0.351928	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_015868	KIR2DL3	killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 3	0.351928	Inlier
siRNA-Temozolomide Run1-DMSO	NM_015868	KIR2DL3	killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 3	0.484246	Inlier
siRNA Disorazole DMSO Run2	NM_015868	KIR2DL3	killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 3	3.88461	Outlier
siRNA-Vinblastine Run1-DMSO	NM_015868	KIR2DL3	killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 3	4.126935	Outlier
siRNA-Vinblastine Run2-DMSO	NM_002255	KIR2DL4	cytoplasmic tail, 4	-3.36399	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Expression Value	Outlier Status	Description
siRNA-Temozolomide Run2-DMSO	NM_002255	KIR2DL4	-0.969601	Inlier	killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 4
siRNA Disorazole DMSO Run3	NM_002255	KIR2DL4	-0.379399	Inlier	killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 4
siRNA-Temozolomide Run1-DMSO	NM_002255	KIR2DL4	-0.218857	Inlier	killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 4
siRNA-Temozolomide Run3-DMSO	NM_002255	KIR2DL4	0.218857	Inlier	killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 4
siRNA Disorazole DMSO Run1	NM_002255	KIR2DL4	0.268733	Inlier	killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 4

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0022 55	KIR2DL4	killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 4	2.452539	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0022 55	KIR2DL4	killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 4	2.589347	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0145 12	KIR2DS1	killer cell immunoglobulin-like receptor, two domains, short cytoplasmic tail, 1	-2.169169	Inlier
siRNA Disorazole DMSO Run3	NM_0145 12	KIR2DS1	killer cell immunoglobulin-like receptor, two domains, short cytoplasmic tail, 1	-0.812598	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0145 12	KIR2DS1	killer cell immunoglobulin-like receptor, two domains, short cytoplasmic tail, 1	-0.536402	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0145 12	KIR2DS1	killer cell immunoglobulin-like receptor, two domains, short cytoplasmic tail, 1	-0.234194	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0145 12	KIR2DS1	killer cell immunoglobulin-like receptor, two domains, short cytoplasmic tail, 1	0.234194	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0145 12	KIR2DS1	killer cell immunoglobulin-like receptor, two domains, short cytoplasmic tail, 1	0.374793	Inlier
siRNA Disorazole DMSO Run2	NM_0145 12	KIR2DS1	killer cell immunoglobulin-like receptor, two domains, short cytoplasmic tail, 1	1.090659	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0145 12	KIR2DS1	killer cell immunoglobulin-like receptor, two domains, short cytoplasmic tail, 1	1.194197	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0123 12	KIR2DS2	killer cell immunoglobulin-like receptor, two domains, short cytoplasmic tail, 2	-0.825102	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0123 12	KIR2DS2	killer cell immunoglobulin-like receptor, two domains, short cytoplasmic tail, 2	-0.742277	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0123 12	KIR2DS2	killer cell immunoglobulin-like receptor, two domains, short cytoplasmic tail, 2	-0.606723	Inlier
siRNA Disorazole DMSO Run3	NM_0123 12	KIR2DS2	killer cell immunoglobulin-like receptor, two domains, short cytoplasmic tail, 2	-0.052661	Inlier
siRNA Disorazole DMSO Run1	NM_0123 12	KIR2DS2	killer cell immunoglobulin-like receptor, two domains, short cytoplasmic tail, 2	0.052661	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0123 12	KIR2DS2	killer cell immunoglobulin-like receptor, two domains, short cytoplasmic tail, 2	0.2975	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0123 12	KIR2DS2	killer cell immunoglobulin-like receptor, two domains, short cytoplasmic tail, 2	1.228661	Inlier
siRNA Disorazole DMSO Run2	NM_0123 12	KIR2DS2	killer cell immunoglobulin-like receptor, two domains, short cytoplasmic tail, 2	1.23689	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0123 13	KIR2DS3	killer cell immunoglobulin-like receptor, two domains, short cytoplasmic tail, 3	-1.898656	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0123 13	KIR2DS3	killer cell immunoglobulin-like receptor, two domains, short cytoplasmic tail, 3	-0.775493	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0123 13	KIR2DS3	killer cell immunogl obulin-like receptor, two domains, short cytoplasmic tail, 3	-0.573507	Inlier
siRNA Disorazole DMSO Run1	NM_0123 13	KIR2DS3	killer cell immunogl obulin-like receptor, two domains, short cytoplasmic tail, 3	-0.271938	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0123 13	KIR2DS3	killer cell immunogl obulin-like receptor, two domains, short cytoplasmic tail, 3	0.271938	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0123 13	KIR2DS3	killer cell immunogl obulin-like receptor, two domains, short cytoplasmic tail, 3	0.522411	Inlier
siRNA Disorazole DMSO Run2	NM_0123 13	KIR2DS3	killer cell immunogl obulin-like receptor, two domains, short cytoplasmic tail, 3	2.011022	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_012313	KIR2DS3	killer cell immunoglobulin-like receptor, two domains, short cytoplasmic tail, 3	2.241097	Inlier
siRNA-Vinblastine Run2-DMSO	NM_178228	KIR2DS4	killer cell immunoglobulin-like receptor, two domains, short cytoplasmic tail, 4	-3.079828	Inlier
siRNA-Temozolomide Run2-DMSO	NM_178228	KIR2DS4	killer cell immunoglobulin-like receptor, two domains, short cytoplasmic tail, 4	-0.714333	Inlier
siRNA Disorazole DMSO Run1	NM_178228	KIR2DS4	killer cell immunoglobulin-like receptor, two domains, short cytoplasmic tail, 4	-0.634668	Inlier
siRNA-Temozolomide Run1-DMSO	NM_178228	KIR2DS4	killer cell immunoglobulin-like receptor, two domains, short cytoplasmic tail, 4	-0.251307	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_1782 28	KIR2DS4	killer cell immunoglobulin-like receptor, two domains, short cytoplasmic tail, 4	0.251307	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1782 28	KIR2DS4	killer cell immunoglobulin-like receptor, two domains, short cytoplasmic tail, 4	0.36547	Inlier
siRNA Disorazole DMSO Run2	NM_1782 28	KIR2DS4	killer cell immunoglobulin-like receptor, two domains, short cytoplasmic tail, 4	3.945313	Outlier
siRNA-Vinblastine Run1-DMSO	NM_1782 28	KIR2DS4	killer cell immunoglobulin-like receptor, two domains, short cytoplasmic tail, 4	4.931567	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0145 13	KIR2DS5	cytoplasmic tail, 5	-1.268944	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0145 13	KIR2DS5	killer cell immunoglobulin-like receptor, two domains, short cytoplasmic tail, 5	-0.858067	Inlier
siRNA Disorazole DMSO Run1	NM_0145 13	KIR2DS5	killer cell immunoglobulin-like receptor, two domains, short cytoplasmic tail, 5	-0.394395	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0145 13	KIR2DS5	killer cell immunoglobulin-like receptor, two domains, short cytoplasmic tail, 5	-0.381251	Inlier
siRNA Disorazole DMSO Run3	NM_0145 13	KIR2DS5	killer cell immunoglobulin-like receptor, two domains, short cytoplasmic tail, 5	0.381251	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0145 13	KIR2DS5	killer cell immunoglobulin-like receptor, two domains, short cytoplasmic tail, 5	0.490933	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0145 13	KIR2DS5	killer cell immunoglobulin-like receptor, two domains, short cytoplasmic tail, 5	1.532678	Inlier
siRNA Disorazole DMSO Run2	NM_0145 13	KIR2DS5	killer cell immunoglobulin-like receptor, two domains, short cytoplasmic tail, 5	1.544825	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0132 89	KIR3DL1	killer cell immunoglobulin-like receptor, three domains, long cytoplasmic tail, 1	-2.257511	Inlier
siRNA Disorazole DMSO Run1	NM_0132 89	KIR3DL1	killer cell immunoglobulin-like receptor, three domains, long cytoplasmic tail, 1	-0.751111	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0132 89	KIR3DL1	killer cell immunoglobulin-like receptor, three domains, long cytoplasmic tail, 1	-0.437759	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA	Run	Gene	Accession	Protein Description	Log2FC	Inlier
Disorazole	Run3	KIR3DL1	NM_013289	killer cell immunoglobulin-like receptor, three domains, long cytoplasmic tail, 1	-0.01468	Inlier
siRNA-Temozolomide	Run1-DMSO	KIR3DL1	NM_013289	killer cell immunoglobulin-like receptor, three domains, long cytoplasmic tail, 1	0.01468	Inlier
siRNA-Temozolomide	Run3-DMSO	KIR3DL1	NM_013289	killer cell immunoglobulin-like receptor, three domains, long cytoplasmic tail, 1	0.597889	Inlier
siRNA-Vinblastine	Run1-DMSO	KIR3DL1	NM_013289	killer cell immunoglobulin-like receptor, three domains, long cytoplasmic tail, 1	1.388882	Inlier
Disorazole	Run2	KIR3DL1	NM_013289	killer cell immunoglobulin-like receptor, three domains, long cytoplasmic tail, 1	2.346034	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0067 37	KIR3DL2	killer cell immunoglobulin-like receptor, three domains, long cytoplasmic tail, 2	-1.174938	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0067 37	KIR3DL2	killer cell immunoglobulin-like receptor, three domains, long cytoplasmic tail, 2	-0.860514	Inlier
siRNA Disorazole DMSO Run1	NM_0067 37	KIR3DL2	killer cell immunoglobulin-like receptor, three domains, long cytoplasmic tail, 2	-0.488485	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0067 37	KIR3DL2	killer cell immunoglobulin-like receptor, three domains, long cytoplasmic tail, 2	-0.011822	Inlier
siRNA Disorazole DMSO Run3	NM_0067 37	KIR3DL2	killer cell immunoglobulin-like receptor, three domains, long cytoplasmic tail, 2	0.011822	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0067 37	KIR3DL2	killer cell immunoglobulin-like receptor, three domains, long cytoplasmic tail, 2	0.256659	Inlier
siRNA Disorazole DMSO Run2	NM_0067 37	KIR3DL2	killer cell immunoglobulin-like receptor, three domains, long cytoplasmic tail, 2	1.38836	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0067 37	KIR3DL2	killer cell immunoglobulin-like receptor, three domains, long cytoplasmic tail, 2	1.521687	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0145 14	KIR3DS1	killer cell immunoglobulin-like receptor, three domains, short cytoplasmic tail, 1	-1.804599	Inlier
siRNA Disorazole DMSO Run1	NM_0145 14	KIR3DS1	killer cell immunoglobulin-like receptor, three domains, short cytoplasmic tail, 1	-0.746015	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0145 14	KIR3DS1	killer cell immunoglobulin-like receptor, three domains, short cytoplasmic tail, 1	-0.602985	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0145 14	KIR3DS1	killer cell immunoglobulin-like receptor, three domains, short cytoplasmic tail, 1	-0.108804	Inlier
siRNA Disorazole DMSO Run3	NM_0145 14	KIR3DS1	killer cell immunoglobulin-like receptor, three domains, short cytoplasmic tail, 1	0.108805	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0145 14	KIR3DS1	killer cell immunoglobulin-like receptor, three domains, short cytoplasmic tail, 1	0.110828	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0145 14	KIR3DS1	killer cell immunoglobulin-like receptor, three domains, short cytoplasmic tail, 1	1.428159	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

				killer cell immunoglobulin-like receptor, three domains, short cytoplasmic tail, 1		
siRNA Disorazole DMSO Run2	NM_0145 14	KIR3DS1		U2AF homology motif (UHM)	2.615011	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1446 24	KIS		kinase 1	-1.158205	Inlier
siRNA Disorazole DMSO Run2	NM_1446 24	KIS		U2AF homology motif (UHM)	-1.094107	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1446 24	KIS		kinase 1	-0.769925	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1446 24	KIS		U2AF homology motif (UHM)	-0.32138	Inlier
siRNA Disorazole DMSO Run3	NM_1446 24	KIS		kinase 1	0.32138	Inlier
siRNA Disorazole DMSO Run1	NM_1446 24	KIS		U2AF homology motif (UHM)	0.516207	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1446 24	KIS		kinase 1	0.579075	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1446 24	KIS		U2AF homology motif (UHM)	0.973091	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_000222	KIT	v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog	-1.216888	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000222	KIT	v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog	-0.973002	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000222	KIT	v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog	-0.561571	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000222	KIT	v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog	-0.335381	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000222	KIT	v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog	0.335381	Inlier
siRNA Disorazole DMSO Run3	NM_000222	KIT	v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog	0.487441	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0002 22	KIT	v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog	0.787429	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0002 22	KIT	v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog	1.362171	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0228 22	KLC2	KLC2	-1.287099	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0228 22	KLC2	KLC2	-0.865177	Inlier
siRNA Disorazole DMSO Run3	NM_0228 22	KLC2	KLC2	-0.483823	Inlier
siRNA Disorazole DMSO Run1	NM_0228 22	KLC2	KLC2	-0.089036	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0228 22	KLC2	KLC2	0.089036	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0228 22	KLC2	KLC2	0.475921	Inlier
siRNA Disorazole DMSO Run2	NM_0228 22	KLC2	KLC2	1.947319	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0228 22	KLC2	KLC2	2.0159	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1774 17	KLC2L	KLC2L	-1.450416	Inlier
siRNA Disorazole DMSO Run3	NM_1774 17	KLC2L	KLC2L	-0.901041	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1774 17	KLC2L	KLC2L	-0.90074	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1774 17	KLC2L	KLC2L	-0.195156	Inlier
siRNA Disorazole DMSO Run2	NM_1774 17	KLC2L	KLC2L	0.195156	Inlier
siRNA Disorazole DMSO Run1	NM_1774 17	KLC2L	KLC2L	0.336373	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1774 17	KLC2L	KLC2L	0.44826	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1774 17	KLC2L	KLC2L	1.003989	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			kallikrein 1, renal/panc reas/saliva	
siRNA-Temozolomide Run3- DMSO	NM_0022 57	KLK1	ry	-1.531033 Inlier
			kallikrein 1, renal/panc reas/saliva	
siRNA-Temozolomide Run2- DMSO	NM_0022 57	KLK1	ry	-0.752203 Inlier
			kallikrein 1, renal/panc reas/saliva	
siRNA Disorazole DMSO Run3	NM_0022 57	KLK1	ry	-0.65145 Inlier
			kallikrein 1, renal/panc reas/saliva	
siRNA Disorazole DMSO Run2	NM_0022 57	KLK1	ry	-0.037128 Inlier
			kallikrein 1, renal/panc reas/saliva	
siRNA-Temozolomide Run1- DMSO	NM_0022 57	KLK1	ry	0.037128 Inlier
			kallikrein 1, renal/panc reas/saliva	
siRNA Disorazole DMSO Run1	NM_0022 57	KLK1	ry	0.133048 Inlier
			kallikrein 1, renal/panc reas/saliva	
siRNA-Vinblastine Run1- DMSO	NM_0022 57	KLK1	ry	0.69755 Inlier
			kallikrein 1, renal/panc reas/saliva	
siRNA-Vinblastine Run2- DMSO	NM_0022 57	KLK1	ry	1.051033 Inlier
siRNA-Temozolomide Run3- DMSO	NM_1458 88	KLK10	10	-0.969597 Inlier
			kallikrein	
siRNA Disorazole DMSO Run2	NM_1458 88	KLK10	10	-0.677373 Inlier
siRNA-Temozolomide Run2- DMSO	NM_1458 88	KLK10	10	-0.671627 Inlier
			kallikrein	
siRNA Disorazole DMSO Run3	NM_1458 88	KLK10	10	-0.512011 Inlier
siRNA-Temozolomide Run1- DMSO	NM_1458 88	KLK10	10	0.512011 Inlier
			kallikrein	
siRNA Disorazole DMSO Run1	NM_1458 88	KLK10	10	0.587487 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Vinblastine Run2- DMSO	NM_1458 88	KLK10	kallikrein 10	1.1641	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1458 88	KLK10	kallikrein 10	1.40427	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1449 47	KLK11	kallikrein 11	-0.82103	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1449 47	KLK11	kallikrein 11	-0.75487	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1449 47	KLK11	kallikrein 11	-0.656464	Inlier
siRNA Disorazole DMSO Run3	NM_1449 47	KLK11	kallikrein 11	-0.003033	Inlier
siRNA Disorazole DMSO Run2	NM_1449 47	KLK11	kallikrein 11	0.003033	Inlier
siRNA Disorazole DMSO Run1	NM_1449 47	KLK11	kallikrein 11	0.005663	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1449 47	KLK11	kallikrein 11	0.692536	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1449 47	KLK11	kallikrein 11	0.887395	Inlier
siRNA Disorazole DMSO Run2	NM_0195 98	KLK12	kallikrein 12	-0.76537	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0195 98	KLK12	kallikrein 12	-0.734834	Inlier
siRNA Disorazole DMSO Run3	NM_0195 98	KLK12	kallikrein 12	-0.480124	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0195 98	KLK12	kallikrein 12	-0.451614	Inlier
siRNA Disorazole DMSO Run1	NM_0195 98	KLK12	kallikrein 12	0.451614	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0195 98	KLK12	kallikrein 12	0.614166	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0195 98	KLK12	kallikrein 12	0.934048	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0195 98	KLK12	kallikrein 12	1.016858	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0155 96	KLK13	kallikrein 13	-1.190468	Inlier
siRNA Disorazole DMSO Run1	NM_0155 96	KLK13	kallikrein 13	-0.897898	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0155 96	KLK13	kallikrein 13	-0.624154	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0155 96	KLK13	kallikrein 13	-0.074941	Inlier
siRNA Disorazole DMSO Run3	NM_0155 96	KLK13	kallikrein 13	0.07494	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0155 96	KLK13	kallikrein 13	0.179032	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0155 96	KLK13	kallikrein 13	0.724845	Inlier
siRNA Disorazole DMSO Run2	NM_0155 96	KLK13	kallikrein 13	2.059351	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Temozolomide Run3- DMSO	NM_0220 46	KLK14	kallikrein 14	-4.493825	Outlier
siRNA-Temozolomide Run2- DMSO	NM_0220 46	KLK14	kallikrein 14	-2.470981	Inlier
siRNA Disorazole DMSO Run1	NM_0220 46	KLK14	kallikrein 14	-1.001679	Inlier
siRNA Disorazole DMSO Run2	NM_0220 46	KLK14	kallikrein 14	-0.252233	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0220 46	KLK14	kallikrein 14	0.252233	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0220 46	KLK14	kallikrein 14	0.259333	Inlier
siRNA Disorazole DMSO Run3	NM_0220 46	KLK14	kallikrein 14	0.347321	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0220 46	KLK14	kallikrein 14	1.372172	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1385 63	KLK15	kallikrein 15	-3.282229	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1385 63	KLK15	kallikrein 15	-3.115446	Inlier
siRNA Disorazole DMSO Run2	NM_1385 63	KLK15	kallikrein 15	-0.744044	Inlier
siRNA Disorazole DMSO Run1	NM_1385 63	KLK15	kallikrein 15	-0.192249	Inlier
siRNA Disorazole DMSO Run3	NM_1385 63	KLK15	kallikrein 15	0.192249	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1385 63	KLK15	kallikrein 15	0.234198	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1385 63	KLK15	kallikrein 15	0.604957	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1385 63	KLK15	kallikrein 15	1.023604	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0055 51	KLK2	kallikrein 2, prostatic	-1.285134	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0055 51	KLK2	kallikrein 2, prostatic	-0.743456	Inlier
siRNA Disorazole DMSO Run3	NM_0055 51	KLK2	kallikrein 2, prostatic	-0.701925	Inlier
siRNA Disorazole DMSO Run2	NM_0055 51	KLK2	kallikrein 2, prostatic	-0.296889	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0055 51	KLK2	kallikrein 2, prostatic	0.296889	Inlier
siRNA Disorazole DMSO Run1	NM_0055 51	KLK2	kallikrein 2, prostatic	0.319943	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology			kallikrein	
siRNA-Vinblastine Run2-	NM_0055		2,	
DMSO	51	KLK2	prostatic	0.647075 Inlier
			kallikrein	
siRNA-Vinblastine Run1-	NM_0055		2,	
DMSO	51	KLK2	prostatic	1.191784 Inlier
			kallikrein	
	NM_0016		3,	
siRNA Disorazole DMSO Run2	48	KLK3	(prostate	-1.719498 Inlier
			specific	
			antigen)	
			kallikrein	
			3,	
	NM_0016		(prostate	
siRNA Disorazole DMSO Run3	48	KLK3	specific	-1.358151 Inlier
			antigen)	
			kallikrein	
			3,	
			(prostate	
siRNA-Temozolomide Run3-	NM_0016		specific	
DMSO	48	KLK3	antigen)	-0.799418 Inlier
			kallikrein	
			3,	
			(prostate	
	NM_0016		specific	
siRNA Disorazole DMSO Run1	48	KLK3	antigen)	-0.017132 Inlier
			kallikrein	
			3,	
			(prostate	
			specific	
siRNA-Temozolomide Run2-	NM_0016		antigen)	
DMSO	48	KLK3	kallikrein	0.017132 Inlier
			3,	
			(prostate	
			specific	
siRNA-Vinblastine Run1-	NM_0016		antigen)	
DMSO	48	KLK3	kallikrein	0.513827 Inlier
			3,	
			(prostate	
			specific	
siRNA-Temozolomide Run1-	NM_0016		antigen)	
DMSO	48	KLK3	kallikrein	0.549582 Inlier
			3,	
			(prostate	
			specific	
siRNA-Vinblastine Run2-	NM_0016		antigen)	
DMSO	48	KLK3	kallikrein	0.947114 Inlier
			3,	
			(prostate	
			specific	
			antigen)	
			kallikrein 4	
			(prostase,	
siRNA-Temozolomide Run3-	NM_0049		enamel	
DMSO	17	KLK4	matrix,	-1.447707 Inlier
			prostate)	

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0049 17	KLK4	kallikrein 4 (prostase, enamel matrix, prostate)	-0.779226	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0049 17	KLK4	kallikrein 4 (prostase, enamel matrix, prostate)	-0.284843	Inlier
siRNA Disorazole DMSO Run2	NM_0049 17	KLK4	kallikrein 4 (prostase, enamel matrix, prostate)	-0.02706	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0049 17	KLK4	kallikrein 4 (prostase, enamel matrix, prostate)	0.02706	Inlier
siRNA Disorazole DMSO Run3	NM_0049 17	KLK4	kallikrein 4 (prostase, enamel matrix, prostate)	0.569774	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0049 17	KLK4	kallikrein 4 (prostase, enamel matrix, prostate)	0.813574	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0049 17	KLK4	kallikrein 4 (prostase, enamel matrix, prostate)	0.918283	Inlier
siRNA Disorazole DMSO Run3	NM_0124 27	KLK5	kallikrein 5	-1.413812	Inlier
siRNA Disorazole DMSO Run2	NM_0124 27	KLK5	kallikrein 5	-0.964464	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0124 27	KLK5	kallikrein 5	-0.28783	Inlier
siRNA Disorazole DMSO Run1	NM_0124 27	KLK5	kallikrein 5	-0.188504	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0124 27	KLK5	kallikrein 5	0.188503	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA-Temozolomide Run1- DMSO	NM_0124 27	KLK5	kallikrein 5	0.587503	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0124 27	KLK5	kallikrein 5	0.761497	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0124 27	KLK5	kallikrein 5	0.991531	Inlier
siRNA Disorazole DMSO Run2	NM_0010 12964	KLK6	kallikrein 6 (neurosin, zyme)	-1.239605	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0010 12964	KLK6	kallikrein 6 (neurosin, zyme)	-0.574693	Inlier
siRNA Disorazole DMSO Run1	NM_0010 12964	KLK6	kallikrein 6 (neurosin, zyme)	-0.309283	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0010 12964	KLK6	kallikrein 6 (neurosin, zyme)	-0.097678	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0010 12964	KLK6	kallikrein 6 (neurosin, zyme)	0.097677	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0010 12964	KLK6	kallikrein 6 (neurosin, zyme)	0.774307	Inlier
siRNA Disorazole DMSO Run3	NM_0010 12964	KLK6	kallikrein 6 (neurosin, zyme)	0.865707	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0010 12964	KLK6	kallikrein 6 (neurosin, zyme)	1.347311	Inlier
siRNA Disorazole DMSO Run1	NM_1392 77	KLK7	kallikrein 7 (chymotry ptic, stratum corneum)	-0.995559	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1392 77	KLK7	kallikrein 7 (chymotry ptic, stratum corneum)	-0.832943	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_1392 77	KLK7	kallikrein 7 (chymotryptic, stratum corneum)	-0.720487	Inlier
siRNA Disorazole DMSO Run3	NM_1392 77	KLK7	kallikrein 7 (chymotryptic, stratum corneum)	-0.332318	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1392 77	KLK7	kallikrein 7 (chymotryptic, stratum corneum)	0.332318	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1392 77	KLK7	kallikrein 7 (chymotryptic, stratum corneum)	0.48359	Inlier
siRNA Disorazole DMSO Run2	NM_1392 77	KLK7	kallikrein 7 (chymotryptic, stratum corneum)	0.628513	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1392 77	KLK7	kallikrein 7 (chymotryptic, stratum corneum)	1.461668	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0071 96	KLK8	kallikrein 8 (neuropsin /ovasin)	-1.522849	Inlier
siRNA Disorazole DMSO Run2	NM_0071 96	KLK8	kallikrein 8 (neuropsin /ovasin)	-1.082617	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0071 96	KLK8	kallikrein 8 (neuropsin /ovasin)	-0.84471	Inlier
siRNA Disorazole DMSO Run3	NM_0071 96	KLK8	kallikrein 8 (neuropsin /ovasin)	-0.170362	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0071 96	KLK8	kallikrein 8 (neuropsin /ovasin)	0.170362	Inlier
siRNA Disorazole DMSO Run1	NM_0071 96	KLK8	kallikrein 8 (neuropsin /ovasin)	0.250896	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0071 96	KLK8	kallikrein 8 (neuropsin /ovasin)	0.50429	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0071 96	KLK8	kallikrein 8 (neuropsin /ovasin)	1.157619	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0123 15	KLK9	kallikrein 9	-1.748027	Inlier
siRNA Disorazole DMSO Run3	NM_0123 15	KLK9	kallikrein 9	-0.700196	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0123 15	KLK9	kallikrein 9	-0.700071	Inlier
siRNA Disorazole DMSO Run2	NM_0123 15	KLK9	kallikrein 9	-0.277732	Inlier
siRNA Disorazole DMSO Run1	NM_0123 15	KLK9	kallikrein 9	0.277732	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0123 15	KLK9	kallikrein 9	0.278937	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0123 15	KLK9	kallikrein 9	0.648929	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0123 15	KLK9	kallikrein 9	1.092676	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0008 92	KLKB1	kallikrein B, plasma (Fletcher factor) 1	-1.065944	Inlier
siRNA Disorazole DMSO Run3	NM_0008 92	KLKB1	kallikrein B, plasma (Fletcher factor) 1	-0.824205	Inlier
siRNA Disorazole DMSO Run2	NM_0008 92	KLKB1	kallikrein B, plasma (Fletcher factor) 1	-0.723639	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0008 92	KLKB1	kallikrein B, plasma (Fletcher factor) 1	-0.258676	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0008 92	KLKB1	kallikrein B, plasma (Fletcher factor) 1	0.258676	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0008 92	KLKB1	kallikrein B, plasma (Fletcher factor) 1	0.393048	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0008 92	KLKB1	kallikrein B, plasma (Fletcher factor) 1	0.625361	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0008 92	KLKB1	kallikrein B, plasma (Fletcher factor) 1	0.937578	Inlier
siRNA Disorazole DMSO Run1	NM_0203 78	KLP1	KLP1	-1.305017	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0203 78	KLP1	KLP1	-0.841818	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0203 78	KLP1	KLP1	-0.462255	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0203 78	KLP1	KLP1	-0.100737	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0203 78	KLP1	KLP1	0.100737	Inlier
siRNA Disorazole DMSO Run3	NM_0203 78	KLP1	KLP1	0.507182	Inlier
siRNA Disorazole DMSO Run2	NM_0203 78	KLP1	KLP1	3.759454	Outlier
siRNA-Vinblastine Run1- DMSO	NM_0203 78	KLP1	KLP1	4.819689	Outlier
siRNA-Vinblastine Run2- DMSO	NM_0066 11	KLRA1	killer cell lectin-like receptor subfamily A, member 1	-1.348916	Inlier
siRNA Disorazole DMSO Run1	NM_0066 11	KLRA1	killer cell lectin-like receptor subfamily A, member 1	-0.829724	Inlier
siRNA Disorazole DMSO Run3	NM_0066 11	KLRA1	killer cell lectin-like receptor subfamily A, member 1	-0.519276	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0066 11	KLRA1	killer cell lectin-like receptor subfamily A, member 1	-0.016688	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0066 11	KLRA1	killer cell lectin-like receptor subfamily A, member 1	0.016688 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0066 11	KLRA1	killer cell lectin-like receptor subfamily A, member 1	0.428944 Inlier
siRNA Disorazole DMSO Run2	NM_0066 11	KLRA1	killer cell lectin-like receptor subfamily A, member 1	1.922591 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0066 11	KLRA1	killer cell lectin-like receptor subfamily A, member 1	2.957596 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0022 58	KLRB1	killer cell lectin-like receptor subfamily B, member 1	-2.637633 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0022 58	KLRB1	killer cell lectin-like receptor subfamily B, member 1	-0.982407 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0022 58	KLRB1	killer cell lectin-like receptor subfamily B, member 1	-0.366593 Inlier
siRNA Disorazole DMSO Run1	NM_0022 58	KLRB1	killer cell lectin-like receptor subfamily B, member 1	-0.010016 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Value	Category
siRNA-Temozolomide Run3-DMSO	NM_002258	KLRB1	killer cell lectin-like receptor subfamily B, member 1	0.010015	Inlier
siRNA Disorazole DMSO Run3	NM_002258	KLRB1	killer cell lectin-like receptor subfamily B, member 1	0.344807	Inlier
siRNA Disorazole DMSO Run2	NM_002258	KLRB1	killer cell lectin-like receptor subfamily B, member 1	2.276309	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002258	KLRB1	killer cell lectin-like receptor subfamily B, member 1	3.718401	Outlier
siRNA-Vinblastine Run2-DMSO	NM_002259	KLRC1	killer cell lectin-like receptor subfamily C, member 1	-2.145133	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002259	KLRC1	killer cell lectin-like receptor subfamily C, member 1	-0.690786	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002259	KLRC1	killer cell lectin-like receptor subfamily C, member 1	-0.281632	Inlier
siRNA Disorazole DMSO Run3	NM_002259	KLRC1	killer cell lectin-like receptor subfamily C, member 1	-0.084029	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0022 59	KLRC1	killer cell lectin-like receptor subfamily C, member 1	0.084029 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0022 59	KLRC1	killer cell lectin-like receptor subfamily C, member 1	0.658214 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0022 59	KLRC1	killer cell lectin-like receptor subfamily C, member 1	2.045107 Inlier
siRNA Disorazole DMSO Run2	NM_0022 59	KLRC1	killer cell lectin-like receptor subfamily C, member 1	2.46077 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0022 60	KLRC2	killer cell lectin-like receptor subfamily C, member 2	-0.971646 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0022 60	KLRC2	killer cell lectin-like receptor subfamily C, member 2	-0.616878 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0022 60	KLRC2	killer cell lectin-like receptor subfamily C, member 2	-0.537752 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0022 60	KLRC2	killer cell lectin-like receptor subfamily C, member 2	-0.517099 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0022 60	KLRC2	killer cell lectin-like receptor subfamily C, member 2	0.517099	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0022 60	KLRC2	killer cell lectin-like receptor subfamily C, member 2	0.732122	Inlier
siRNA Disorazole DMSO Run3	NM_0022 60	KLRC2	killer cell lectin-like receptor subfamily C, member 2	0.837545	Inlier
siRNA Disorazole DMSO Run2	NM_0022 60	KLRC2	killer cell lectin-like receptor subfamily C, member 2	1.247035	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0022 61	KLRC3	killer cell lectin-like receptor subfamily C, member 3	-0.898512	Inlier
siRNA Disorazole DMSO Run3	NM_0022 61	KLRC3	killer cell lectin-like receptor subfamily C, member 3	-0.64893	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0022 61	KLRC3	killer cell lectin-like receptor subfamily C, member 3	-0.616091	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0022 61	KLRC3	killer cell lectin-like receptor subfamily C, member 3	-0.008539	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0022 61	KLRC3	killer cell lectin-like receptor subfamily C, member 3	0.008539 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0022 61	KLRC3	killer cell lectin-like receptor subfamily C, member 3	0.70007 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0022 61	KLRC3	killer cell lectin-like receptor subfamily C, member 3	1.709059 Inlier
siRNA Disorazole DMSO Run2	NM_0022 61	KLRC3	killer cell lectin-like receptor subfamily C, member 3	1.90725 Inlier
siRNA Disorazole DMSO Run1	NM_0134 31	KLRC4	killer cell lectin-like receptor subfamily C, member 4	-1.992128 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0134 31	KLRC4	killer cell lectin-like receptor subfamily C, member 4	-1.08151 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0134 31	KLRC4	killer cell lectin-like receptor subfamily C, member 4	-0.019034 Inlier
siRNA Disorazole DMSO Run3	NM_0134 31	KLRC4	killer cell lectin-like receptor subfamily C, member 4	-0.009981 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0134 31	KLRC4	killer cell lectin-like receptor subfamily C, member 4	0.009981 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0134 31	KLRC4	killer cell lectin-like receptor subfamily C, member 4	0.26749 Inlier
siRNA Disorazole DMSO Run2	NM_0134 31	KLRC4	killer cell lectin-like receptor subfamily C, member 4	1.89536 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0134 31	KLRC4	killer cell lectin-like receptor subfamily C, member 4	2.362252 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0073 34	KLRD1	killer cell lectin-like receptor subfamily D, member 1	-1.651215 Inlier
siRNA Disorazole DMSO Run3	NM_0073 34	KLRD1	killer cell lectin-like receptor subfamily D, member 1	-0.795344 Inlier
siRNA Disorazole DMSO Run1	NM_0073 34	KLRD1	killer cell lectin-like receptor subfamily D, member 1	-0.553656 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0073 34	KLRD1	killer cell lectin-like receptor subfamily D, member 1	-0.141145 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0073 34	KLRD1	killer cell lectin-like receptor subfamily D, member 1	0.141145	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0073 34	KLRD1	killer cell lectin-like receptor subfamily D, member 1	0.398286	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0073 34	KLRD1	killer cell lectin-like receptor subfamily D, member 1	1.596991	Inlier
siRNA Disorazole DMSO Run2	NM_0073 34	KLRD1	killer cell lectin-like receptor subfamily D, member 1	2.595978	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0165 23	KLRF1	killer cell lectin-like receptor subfamily F, member 1	-2.084876	Inlier
siRNA Disorazole DMSO Run3	NM_0165 23	KLRF1	killer cell lectin-like receptor subfamily F, member 1	-1.168521	Inlier
siRNA Disorazole DMSO Run1	NM_0165 23	KLRF1	killer cell lectin-like receptor subfamily F, member 1	-0.180479	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0165 23	KLRF1	killer cell lectin-like receptor subfamily F, member 1	-0.074519	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0165 23	KLRF1	killer cell lectin-like receptor subfamily F, member 1	0.074517	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0165 23	KLRF1	killer cell lectin-like receptor subfamily F, member 1	0.112449	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0165 23	KLRF1	killer cell lectin-like receptor subfamily F, member 1	2.277171	Inlier
siRNA Disorazole DMSO Run2	NM_0165 23	KLRF1	killer cell lectin-like receptor subfamily F, member 1	3.982291	Outlier
siRNA-Vinblastine Run2-DMSO	NM_0058 10	KLRG1	killer cell lectin-like receptor subfamily G, member 1	-1.095429	Inlier
siRNA Disorazole DMSO Run3	NM_0058 10	KLRG1	killer cell lectin-like receptor subfamily G, member 1	-0.431379	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0058 10	KLRG1	killer cell lectin-like receptor subfamily G, member 1	-0.336539	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0058 10	KLRG1	killer cell lectin-like receptor subfamily G, member 1	-0.051766	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0058 10	KLRG1	killer cell lectin-like receptor subfamily G, member 1	0.051766	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0058 10	KLRG1	killer cell lectin-like receptor subfamily G, member 1	0.917621	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0058 10	KLRG1	killer cell lectin-like receptor subfamily G, member 1	2.333082	Inlier
siRNA Disorazole DMSO Run2	NM_0058 10	KLRG1	killer cell lectin-like receptor subfamily G, member 1	2.477989	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0036 79	KMO	kynurenine 3- monooxyg enase (kynurenin e 3- hydroxylas e)	-2.578841	Inlier
siRNA Disorazole DMSO Run1	NM_0036 79	KMO	kynurenine 3- monooxyg enase (kynurenin e 3- hydroxylas e)	-0.623447	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0036 79	KMO	kynurenine 3- monooxyg enase (kynurenin e 3- hydroxylas e)	-0.311493	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0036 79	KMO	kynurenine 3- monooxyg enase (kynurenin e 3- hydroxylas e)	-0.151335	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0036 79	KMO	kynurenine 3- monooxyg enase (kynurenin e 3- hydroxylas e)	0.151335	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0036 79	KMO	kynurenine 3- monooxyg enase (kynurenin e 3- hydroxylas e)	0.725553	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0036 79	KMO	kynurenine 3- monooxyg enase (kynurenin e 3- hydroxylas e)	2.291025	Inlier
siRNA Disorazole DMSO Run2	NM_0036 79	KMO	kynurenine 3- monooxyg enase (kynurenin e 3- hydroxylas e)	3.981728	Outlier
siRNA-Temozolomide Run2- DMSO	NM_0008 93	KNG1	kininogen 1	-0.841625	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0008 93	KNG1	kininogen 1	-0.753058	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0008 93	KNG1	kininogen 1	-0.247864	Inlier
siRNA Disorazole DMSO Run3	NM_0008 93	KNG1	kininogen 1	-0.044848	Inlier
siRNA Disorazole DMSO Run1	NM_0008 93	KNG1	kininogen 1	0.044848	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0008 93	KNG1	kininogen 1	0.595942	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA/Vinblastine Run	Gene	Accession	Protein	Log2FC	Outlier
siRNA-Vinblastine Run1- DMSO	KNG1	NM_0008 93	kininogen 1	0.942055	Inlier
siRNA Disorazole DMSO Run2	KNG1	NM_0008 93	kininogen 1	0.961838	Inlier
siRNA-Temozolomide Run3- DMSO	KNS2	NM_1829 23	kinesin 2 60/70kDa	-1.581279	Inlier
siRNA-Vinblastine Run2- DMSO	KNS2	NM_1829 23	kinesin 2 60/70kDa	-0.971173	Inlier
siRNA Disorazole DMSO Run3	KNS2	NM_1829 23	kinesin 2 60/70kDa	-0.879717	Inlier
siRNA-Temozolomide Run2- DMSO	KNS2	NM_1829 23	kinesin 2 60/70kDa	-0.156884	Inlier
siRNA Disorazole DMSO Run1	KNS2	NM_1829 23	kinesin 2 60/70kDa	0.156884	Inlier
siRNA-Temozolomide Run1- DMSO	KNS2	NM_1829 23	kinesin 2 60/70kDa	0.392571	Inlier
siRNA Disorazole DMSO Run2	KNS2	NM_1829 23	kinesin 2 60/70kDa	0.469283	Inlier
siRNA-Vinblastine Run1- DMSO	KNS2	NM_1829 23	kinesin 2 60/70kDa	1.208892	Inlier
siRNA Disorazole DMSO Run3	KNSL7	NM_0202 42	kinesin- like 7	-0.982347	Inlier
siRNA-Vinblastine Run2- DMSO	KNSL7	NM_0202 42	kinesin- like 7	-0.625383	Inlier
siRNA-Temozolomide Run3- DMSO	KNSL7	NM_0202 42	kinesin- like 7	-0.459951	Inlier
siRNA-Temozolomide Run2- DMSO	KNSL7	NM_0202 42	kinesin- like 7	-0.405903	Inlier
siRNA-Temozolomide Run1- DMSO	KNSL7	NM_0202 42	kinesin- like 7	0.405903	Inlier
siRNA Disorazole DMSO Run2	KNSL7	NM_0202 42	kinesin- like 7	0.723617	Inlier
siRNA Disorazole DMSO Run1	KNSL7	NM_0202 42	kinesin- like 7	0.914991	Inlier
siRNA-Vinblastine Run1- DMSO	KNSL7	NM_0202 42	kinesin- like 7	1.918414	Inlier
siRNA-Temozolomide Run3- DMSO	KNSL8	NM_2015 22	kinesin- like 8	-1.303582	Inlier
siRNA-Temozolomide Run2- DMSO	KNSL8	NM_2015 22	kinesin- like 8	-0.980592	Inlier
siRNA-Vinblastine Run2- DMSO	KNSL8	NM_2015 22	kinesin- like 8	-0.357982	Inlier
siRNA Disorazole DMSO Run3	KNSL8	NM_2015 22	kinesin- like 8	-0.234219	Inlier
siRNA-Temozolomide Run1- DMSO	KNSL8	NM_2015 22	kinesin- like 8	0.23422	Inlier
siRNA Disorazole DMSO Run1	KNSL8	NM_2015 22	kinesin- like 8	0.368408	Inlier
siRNA-Vinblastine Run1- DMSO	KNSL8	NM_2015 22	kinesin- like 8	1.196057	Inlier
siRNA Disorazole DMSO Run2	KNSL8	NM_2015 22	kinesin- like 8	1.309452	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0333 60	KRAS2	v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog	-2.07503	Inlier
siRNA Disorazole DMSO Run3	NM_0333 60	KRAS2	v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog	-0.716227	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0333 60	KRAS2	v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog	-0.632773	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0333 60	KRAS2	v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog	-0.104912	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0333 60	KRAS2	v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog	0.104911	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0333 60	KRAS2	v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog	0.233952	Inlier
siRNA Disorazole DMSO Run2	NM_0333 60	KRAS2	v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog	1.385083	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log Fold Change	Outlier Status
siRNA-Vinblastine Run1-DMSO	NM_033360	KRAS2	v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog	1.649628	Inlier
siRNA-Temozolomide Run3-DMSO	NM_153379	KREMEN1	kringle containing transmembrane protein 1	-1.395924	Inlier
siRNA-Temozolomide Run2-DMSO	NM_153379	KREMEN1	kringle containing transmembrane protein 1	-0.800678	Inlier
siRNA Disorazole DMSO Run1	NM_153379	KREMEN1	kringle containing transmembrane protein 1	-0.548322	Inlier
siRNA Disorazole DMSO Run2	NM_153379	KREMEN1	kringle containing transmembrane protein 1	-0.029929	Inlier
siRNA-Vinblastine Run1-DMSO	NM_153379	KREMEN1	kringle containing transmembrane protein 1	0.029929	Inlier
siRNA-Temozolomide Run1-DMSO	NM_153379	KREMEN1	kringle containing transmembrane protein 1	0.097314	Inlier
siRNA Disorazole DMSO Run3	NM_153379	KREMEN1	kringle containing transmembrane protein 1	0.936635	Inlier
siRNA-Vinblastine Run2-DMSO	NM_153379	KREMEN1	kringle containing transmembrane protein 1	1.789449	Inlier
siRNA-Temozolomide Run3-DMSO	NM_024507	KREMEN2	kringle containing transmembrane protein 2	-1.032613	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0245 07	KREMEN2	kringle containing transmem brane protein 2	-0.557715	Inlier
siRNA Disorazole DMSO Run2	NM_0245 07	KREMEN2	kringle containing transmem brane protein 2	-0.552487	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0245 07	KREMEN2	kringle containing transmem brane protein 2	-0.543334	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0245 07	KREMEN2	kringle containing transmem brane protein 2	0.543334	Inlier
siRNA Disorazole DMSO Run1	NM_0245 07	KREMEN2	kringle containing transmem brane protein 2	0.791285	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0245 07	KREMEN2	kringle containing transmem brane protein 2	1.194681	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0245 07	KREMEN2	kringle containing transmem brane protein 2	1.228369	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1735 98	KSR2	kinase suppresso r of ras 2	-1.611099	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1735 98	KSR2	kinase suppresso r of ras 2	-1.102095	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1735 98	KSR2	kinase suppresso r of ras 2	-0.217252	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1735 98	KSR2	kinase suppresso r of ras 2	-0.135778	Inlier
siRNA Disorazole DMSO Run2	NM_1735 98	KSR2	kinase suppresso r of ras 2	0.135779	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1735 98	KSR2	kinase suppresso r of ras 2	0.246905	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1735 98	KSR2	kinase suppresso r of ras 2	1.139879	Inlier
siRNA Disorazole DMSO Run3	NM_1735 98	KSR2	suppresso r of ras 2	1.30641	Inlier
siRNA Disorazole DMSO Run3	NM_1992 03	Kua-UEV	Kua-UEV	-1.52444	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1992 03	Kua-UEV	Kua-UEV	-1.137617	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1992 03	Kua-UEV	Kua-UEV	-1.101915	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1992 03	Kua-UEV	Kua-UEV	-0.080291	Inlier
siRNA Disorazole DMSO Run1	NM_1992 03	Kua-UEV	Kua-UEV	0.080293	Inlier
siRNA Disorazole DMSO Run2	NM_1992 03	Kua-UEV	Kua-UEV	0.148964	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1992 03	Kua-UEV	Kua-UEV	0.247084	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1992 03	Kua-UEV	Kua-UEV	1.383548	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0039 37	KYNU	kynurenina se (L- kynurenine hydrolase)	-1.083112	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0039 37	KYNU	kynurenina se (L- kynurenine hydrolase)	-0.677706	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0039 37	KYNU	kynurenina se (L- kynurenine hydrolase)	-0.671294	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0039 37	KYNU	kynurenina se (L- kynurenine hydrolase)	-0.076822	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0039 37	KYNU	kynureninase (L-kynurenine hydrolase)	0.076822	Inlier
siRNA Disorazole DMSO Run3	NM_0039 37	KYNU	kynureninase (L-kynurenine hydrolase)	0.159932	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0039 37	KYNU	kynureninase (L-kynurenine hydrolase)	0.852121	Inlier
siRNA Disorazole DMSO Run2	NM_0039 37	KYNU	kynureninase (L-kynurenine hydrolase)	1.043979	Inlier
siRNA Disorazole DMSO Run2	NM_0251 44	LAK	alpha-kinase 1	-4.321755	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0251 44	LAK	alpha-kinase 1	-2.653456	Inlier
siRNA Disorazole DMSO Run3	NM_0251 44	LAK	alpha-kinase 1	-1.78293	Inlier
siRNA Disorazole DMSO Run1	NM_0251 44	LAK	alpha-kinase 1	-0.244637	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0251 44	LAK	alpha-kinase 1	0.244637	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0251 44	LAK	alpha-kinase 1	0.299133	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0251 44	LAK	alpha-kinase 1	0.421564	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0251 44	LAK	alpha-kinase 1	0.927436	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0060 55	LANCL1	LanC lantibiotic synthetase component C-like 1 (bacterial)	-1.968875	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0060 55	LANCL1	LanC lantibiotic synthetase componen t C-like 1 (bacterial)	-0.740768	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0060 55	LANCL1	LanC lantibiotic synthetase componen t C-like 1 (bacterial)	-0.170406	Inlier
siRNA Disorazole DMSO Run1	NM_0060 55	LANCL1	LanC lantibiotic synthetase componen t C-like 1 (bacterial)	-0.01649	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0060 55	LANCL1	LanC lantibiotic synthetase componen t C-like 1 (bacterial)	0.016491	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0060 55	LANCL1	LanC lantibiotic synthetase componen t C-like 1 (bacterial)	0.608232	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0060 55	LANCL1	LanC lantibiotic synthetase componen t C-like 1 (bacterial)	1.044434	Inlier
siRNA Disorazole DMSO Run3	NM_0060 55	LANCL1	LanC lantibiotic synthetase componen t C-like 1 (bacterial)	1.451118	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0159 07	LAP3	leucine aminopept idase 3	-1.282743	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0159 07	LAP3	leucine aminopept idase 3	-0.68107	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0159 07	LAP3	leucine aminopept idase 3	-0.66793	Inlier
siRNA Disorazole DMSO Run3	NM_0159 07	LAP3	leucine aminopept idase 3	-0.052117	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0159 07	LAP3	leucine aminopept idase 3	0.052117	Inlier
siRNA Disorazole DMSO Run1	NM_0159 07	LAP3	leucine aminopept idase 3	0.284642	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0159 07	LAP3	leucine aminopept idase 3	1.107346	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0159 07	LAP3	leucine aminopept idase 3	1.312511	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1336 42	LARGE	like- glycosyltra nsferase	-0.849589	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1336 42	LARGE	like- glycosyltra nsferase	-0.696216	Inlier
siRNA Disorazole DMSO Run1	NM_1336 42	LARGE	like- glycosyltra nsferase	-0.614868	Inlier
siRNA Disorazole DMSO Run3	NM_1336 42	LARGE	like- glycosyltra nsferase	-0.071788	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1336 42	LARGE	like- glycosyltra nsferase	0.071788	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1336 42	LARGE	like- glycosyltra nsferase	0.652784	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1336 42	LARGE	like- glycosyltra nsferase	0.763781	Inlier
siRNA Disorazole DMSO Run2	NM_1336 42	LARGE	like- glycosyltra nsferase	0.841659	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0201 17	LARS	leucyl- tRNA synthetase	-0.955005	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0201 17	LARS	leucyl- tRNA synthetase	-0.393995	Inlier
siRNA Disorazole DMSO Run3	NM_0201 17	LARS	leucyl- tRNA synthetase	-0.264166	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0201 17	LARS	leucyl- tRNA synthetase	-0.066327	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0201 17	LARS	leucyl- tRNA synthetase	0.066326	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0201 17	LARS	leucyl- tRNA synthetase	1.830522	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0201 17	LARS	leucyl- tRNA synthetase	2.011567	Inlier
siRNA Disorazole DMSO Run2	NM_0201 17	LARS	leucyl- tRNA synthetase	2.101422	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0153 40	LARS2	leucyl- tRNA synthetase 2, mitochond rial	-1.898921	Inlier
siRNA Disorazole DMSO Run1	NM_0153 40	LARS2	leucyl- tRNA synthetase 2, mitochond rial	-1.488428	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0153 40	LARS2	leucyl- tRNA synthetase 2, mitochond rial	-0.458468	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0153 40	LARS2	leucyl- tRNA synthetase 2, mitochond rial	-0.432392	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0153 40	LARS2	leucyl- tRNA synthetase 2, mitochond rial	0.432392	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0153 40	LARS2	leucyl- tRNA synthetase 2, mitochond rial	0.568434	Inlier
siRNA Disorazole DMSO Run2	NM_0153 40	LARS2	leucyl- tRNA synthetase 2, mitochond rial	0.780565	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0153 40	LARS2	leucyl- tRNA synthetase 2, mitochond rial	1.651297	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0312 11	LAT1-3TM	LAT1-3TM	-1.25058	Inlier
siRNA Disorazole DMSO Run2	NM_0312 11	LAT1-3TM	LAT1-3TM	-0.775012	Inlier
siRNA Disorazole DMSO Run1	NM_0312 11	LAT1-3TM	LAT1-3TM	-0.573988	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0312 11	LAT1-3TM	LAT1-3TM	-0.147814	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0312 11	LAT1-3TM	LAT1-3TM	0.147814	Inlier
siRNA Disorazole DMSO Run3	NM_0312 11	LAT1-3TM	LAT1-3TM	0.539728	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0312 11	LAT1-3TM	LAT1-3TM	0.932634	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0312 11	LAT1-3TM	LAT1-3TM	2.466784	Inlier
siRNA Disorazole DMSO Run2	NM_0046 90	LATS1	LATS, large tumor suppresso r, homolog 1 (Drosophil a)	-0.93385	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0046 90	LATS1	LATS, large tumor suppresso r, homolog 1 (Drosophil a)	-0.844419	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0046 90	LATS1	LATS, large tumor suppresso r, homolog 1 (Drosophil a)	-0.690831	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0046 90	LATS1	LATS, large tumor suppresso r, homolog 1 (Drosophil a)	-0.134358	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0046 90	LATS1	LATS, large tumor suppresso r, homolog 1 (Drosophil a)	0.134358	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0046 90	LATS1	LATS, large tumor suppresso r, homolog 1 (Drosophil a)	0.574392	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0046 90	LATS1	LATS, large tumor suppresso r, homolog 1 (Drosophil a)	0.658169 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0046 90	LATS1	LATS, large tumor suppresso r, homolog 1 (Drosophil a)	1.044317 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0145 72	LATS2	LATS, large tumor suppresso r, homolog 2 (Drosophil a)	-3.589711 Outlier
siRNA-Temozolomide Run1- DMSO	NM_0145 72	LATS2	LATS, large tumor suppresso r, homolog 2 (Drosophil a)	-1.55846 Inlier
siRNA Disorazole DMSO Run1	NM_0145 72	LATS2	LATS, large tumor suppresso r, homolog 2 (Drosophil a)	-0.642207 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0145 72	LATS2	LATS, large tumor suppresso r, homolog 2 (Drosophil a)	-0.238593	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0145 72	LATS2	LATS, large tumor suppresso r, homolog 2 (Drosophil a)	0.238593	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0145 72	LATS2	LATS, large tumor suppresso r, homolog 2 (Drosophil a)	0.452987	Inlier
siRNA Disorazole DMSO Run2	NM_0145 72	LATS2	LATS, large tumor suppresso r, homolog 2 (Drosophil a)	0.706793	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0145 72	LATS2	LATS, large tumor suppresso r, homolog 2 (Drosophil a)	2.295088	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0041 39	LBP	lipopolysa ccharide binding protein	-0.914311	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0041 39	LBP	lipopolysaccharide binding protein	-0.875462	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0041 39	LBP	lipopolysaccharide binding protein	-0.302126	Inlier
siRNA Disorazole DMSO Run3	NM_0041 39	LBP	lipopolysaccharide binding protein	-0.00773	Inlier
siRNA Disorazole DMSO Run1	NM_0041 39	LBP	lipopolysaccharide binding protein	0.00773	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0041 39	LBP	lipopolysaccharide binding protein	0.473538	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0041 39	LBP	lipopolysaccharide binding protein	2.217523	Inlier
siRNA Disorazole DMSO Run2	NM_0041 39	LBP	lipopolysaccharide binding protein	2.482586	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1944 42	LBR	lamin B receptor	-0.899731	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1944 42	LBR	lamin B receptor	-0.789217	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1944 42	LBR	lamin B receptor	-0.559783	Inlier
siRNA Disorazole DMSO Run1	NM_1944 42	LBR	lamin B receptor	-0.246451	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1944 42	LBR	lamin B receptor	0.246451	Inlier
siRNA Disorazole DMSO Run3	NM_1944 42	LBR	lamin B receptor	0.291428	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1944 42	LBR	lamin B receptor	1.836992	Inlier
siRNA Disorazole DMSO Run2	NM_1944 42	LBR	lamin B receptor	1.962777	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0002 29	LCAT	lecithin-cholesterol acyltransferase	-1.144529	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0002 29	LCAT	lecithin- cholesterol acyltransfe rase	-0.70736 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0002 29	LCAT	lecithin- cholesterol acyltransfe rase	-0.42881 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0002 29	LCAT	lecithin- cholesterol acyltransfe rase	-0.374682 Inlier
siRNA Disorazole DMSO Run3	NM_0002 29	LCAT	lecithin- cholesterol acyltransfe rase	0.374682 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0002 29	LCAT	lecithin- cholesterol acyltransfe rase	0.64164 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0002 29	LCAT	lecithin- cholesterol acyltransfe rase	0.961831 Inlier
siRNA Disorazole DMSO Run2	NM_0002 29	LCAT	lecithin- cholesterol acyltransfe rase	2.085496 Inlier
siRNA Disorazole DMSO Run2	NM_0053 56	LCK	lymphocyt e-specific protein tyrosine kinase	-1.217777 Inlier
siRNA Disorazole DMSO Run3	NM_0053 56	LCK	lymphocyt e-specific protein tyrosine kinase	-0.676575 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0053 56	LCK	lymphocyt e-specific protein tyrosine kinase	-0.564992 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0053 56	LCK	lymphocyt e-specific protein tyrosine kinase	-0.428221	Inlier
siRNA Disorazole DMSO Run1	NM_0053 56	LCK	lymphocyt e-specific protein tyrosine kinase	0.428221	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0053 56	LCK	lymphocyt e-specific protein tyrosine kinase	0.672425	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0053 56	LCK	lymphocyt e-specific protein tyrosine kinase	1.407009	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0053 56	LCK	lymphocyt e-specific protein tyrosine kinase	1.667143	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0160 15	LCMT1	leucine carboxyl methyltran sferase 1	-0.919952	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0160 15	LCMT1	leucine carboxyl methyltran sferase 1	-0.429048	Inlier
siRNA Disorazole DMSO Run1	NM_0160 15	LCMT1	leucine carboxyl methyltran sferase 1	-0.330834	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0160 15	LCMT1	leucine carboxyl methyltran sferase 1	-0.212811	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0160 15	LCMT1	leucine carboxyl methyltran sferase 1	0.212811	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0160 15	LCMT1	leucine carboxyl methyltran sferase 1	0.961473	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0160 15	LCMT1	leucine carboxyl methyltran sferase 1	1.792057	Inlier
siRNA Disorazole DMSO Run2	NM_0160 15	LCMT1	leucine carboxyl methyltran sferase 1	2.079806	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0147 93	LCMT2	leucine carboxyl methyltran sferase 2	-2.326018	Inlier
siRNA Disorazole DMSO Run1	NM_0147 93	LCMT2	leucine carboxyl methyltran sferase 2	-1.633405	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0147 93	LCMT2	leucine carboxyl methyltran sferase 2	-0.874987	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0147 93	LCMT2	leucine carboxyl methyltran sferase 2	-0.393587	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0147 93	LCMT2	leucine carboxyl methyltran sferase 2	0.393587	Inlier
siRNA Disorazole DMSO Run3	NM_0147 93	LCMT2	leucine carboxyl methyltran sferase 2	0.466457	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0147 93	LCMT2	leucine carboxyl methyltran sferase 2	0.474013	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0147 93	LCMT2	leucine carboxyl methyltran sferase 2	1.141132	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0022 97	LCN1	lipocalin 1 (tear prealbumi n)	-1.31166	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0022 97	LCN1	lipocalin 1 (tear prealbumi n)	-1.12929	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0022 97	LCN1	lipocalin 1 (tear prealbumi n)	-0.683676	Inlier
siRNA Disorazole DMSO Run1	NM_0022 97	LCN1	lipocalin 1 (tear prealbumi n)	-0.385256	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0022 97	LCN1	lipocalin 1 (tear prealbumi n)	0.385256	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0022 97	LCN1	lipocalin 1 (tear prealbumi n)	0.618662	Inlier
siRNA Disorazole DMSO Run3	NM_0022 97	LCN1	lipocalin 1 (tear prealbumi n)	0.665324	Inlier
siRNA Disorazole DMSO Run2	NM_0022 97	LCN1	lipocalin 2 (oncogene 24p3)	1.04994	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0055 64	LCN2	lipocalin 2 (oncogene 24p3)	-0.91006	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0055 64	LCN2	lipocalin 2 (oncogene 24p3)	-0.887275	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0055 64	LCN2	lipocalin 2 (oncogene 24p3)	-0.560842	Inlier
siRNA Disorazole DMSO Run3	NM_0055 64	LCN2	lipocalin 2 (oncogene 24p3)	-0.108386	Inlier
siRNA Disorazole DMSO Run1	NM_0055 64	LCN2	lipocalin 2 (oncogene 24p3)	0.108386	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology			lipocalin 2	
siRNA-Vinblastine Run2-DMSO	NM_0055 64	LCN2	(oncogene 24p3)	0.300203 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0055 64	LCN2	lipocalin 2 (oncogene 24p3)	0.788158 Inlier
siRNA Disorazole DMSO Run2	NM_0055 64	LCN2	lipocalin 2 (oncogene 24p3)	1.207854 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0221 64	LCN7	lipocalin 7	-0.840949 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0221 64	LCN7	lipocalin 7	-0.613367 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0221 64	LCN7	lipocalin 7	-0.442339 Inlier
siRNA Disorazole DMSO Run1	NM_0221 64	LCN7	lipocalin 7	-0.184198 Inlier
siRNA Disorazole DMSO Run2	NM_0221 64	LCN7	lipocalin 7	0.184198 Inlier
siRNA Disorazole DMSO Run3	NM_0221 64	LCN7	lipocalin 7	0.735633 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0221 64	LCN7	lipocalin 7	1.741019 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0221 64	LCN7	lipocalin 7	2.083202 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0022 99	LCT	lactase	-1.002584 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0022 99	LCT	lactase	-0.708154 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0022 99	LCT	lactase	-0.640846 Inlier
siRNA Disorazole DMSO Run1	NM_0022 99	LCT	lactase	-0.052064 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0022 99	LCT	lactase	0.052064 Inlier
siRNA Disorazole DMSO Run3	NM_0022 99	LCT	lactase	0.202811 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0022 99	LCT	lactase	1.165714 Inlier
siRNA Disorazole DMSO Run2	NM_0022 99	LCT	lactase lactate	1.271292 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0055 66	LDHA	dehydroge nase A	-2.277369 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0055 66	LDHA	lactate dehydroge nase A	-2.030167 Inlier
siRNA Disorazole DMSO Run2	NM_0055 66	LDHA	lactate dehydroge nase A	-0.625164 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0055 66	LDHA	lactate dehydroge nase A	-0.299587	Inlier
siRNA Disorazole DMSO Run1	NM_0055 66	LDHA	lactate dehydroge nase A	0.299588	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0055 66	LDHA	lactate dehydroge nase A	0.404799	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0055 66	LDHA	lactate dehydroge nase A	0.723836	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0055 66	LDHA	lactate dehydroge nase A	1.536041	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1449 72	LDHAL6A	lactate dehydroge nase A- like 6A	-1.797887	Inlier
siRNA Disorazole DMSO Run1	NM_1449 72	LDHAL6A	lactate dehydroge nase A- like 6A	-0.519274	Inlier
siRNA Disorazole DMSO Run3	NM_1449 72	LDHAL6A	lactate dehydroge nase A- like 6A	-0.156229	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1449 72	LDHAL6A	lactate dehydroge nase A- like 6A	-0.077857	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1449 72	LDHAL6A	lactate dehydroge nase A- like 6A	0.077858	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1449 72	LDHAL6A	lactate dehydroge nase A- like 6A	0.829726	Inlier
siRNA Disorazole DMSO Run2	NM_1449 72	LDHAL6A	lactate dehydroge nase A- like 6A	1.183289	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1449 72	LDHAL6A	lactate dehydroge nase A- like 6A	2.157803	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0331 95	LDHAL6B	lactate dehydroge nase A- like 6B	-0.680021	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0331 95	LDHAL6B	lactate dehydrogenase A-like 6B	-0.668979	Inlier
siRNA Disorazole DMSO Run2	NM_0331 95	LDHAL6B	lactate dehydrogenase A-like 6B	-0.511175	Inlier
siRNA Disorazole DMSO Run3	NM_0331 95	LDHAL6B	lactate dehydrogenase A-like 6B	-0.352645	Inlier
siRNA Disorazole DMSO Run1	NM_0331 95	LDHAL6B	lactate dehydrogenase A-like 6B	0.352645	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0331 95	LDHAL6B	lactate dehydrogenase A-like 6B	0.713308	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0331 95	LDHAL6B	lactate dehydrogenase A-like 6B	1.473682	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0331 95	LDHAL6B	lactate dehydrogenase A-like 6B	1.524282	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0023 00	LDHB	lactate dehydrogenase B	-1.686426	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0023 00	LDHB	lactate dehydrogenase B	-1.232841	Inlier
siRNA Disorazole DMSO Run2	NM_0023 00	LDHB	lactate dehydrogenase B	-1.158665	Inlier
siRNA Disorazole DMSO Run1	NM_0023 00	LDHB	lactate dehydrogenase B	-0.33	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0023 00	LDHB	lactate dehydrogenase B	0.329999	Inlier
siRNA Disorazole DMSO Run3	NM_0023 00	LDHB	lactate dehydrogenase B	0.380376	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0023 00	LDHB	lactate dehydrogenase B	0.55525	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0023 00	LDHB	lactate dehydrogenase B	0.79375	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology					
siRNA-Temozolomide Run2-DMSO	NM_0023 01	LDHC	lactate dehydroge nase C	-1.00621	Inlier
siRNA Disorazole DMSO Run3	NM_0023 01	LDHC	lactate dehydroge nase C	-0.712379	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0023 01	LDHC	lactate dehydroge nase C	-0.429459	Inlier
siRNA Disorazole DMSO Run2	NM_0023 01	LDHC	lactate dehydroge nase C	-0.252505	Inlier
siRNA Disorazole DMSO Run1	NM_0023 01	LDHC	lactate dehydroge nase C	0.252505	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0023 01	LDHC	lactate dehydroge nase C	0.636621	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0023 01	LDHC	lactate dehydroge nase C	1.682914	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0023 01	LDHC	lactate dehydroge nase C	1.901255	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1944 36	LDHD	lactate dehydroge nase D	-1.283519	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1944 36	LDHD	lactate dehydroge nase D	-1.280505	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1944 36	LDHD	lactate dehydroge nase D	-0.902326	Inlier
siRNA Disorazole DMSO Run3	NM_1944 36	LDHD	lactate dehydroge nase D	-0.074864	Inlier
siRNA Disorazole DMSO Run1	NM_1944 36	LDHD	lactate dehydroge nase D	0.074864	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1944 36	LDHD	lactate dehydroge nase D	0.211249	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1944 36	LDHD	lactate dehydroge nase D	0.446674	Inlier
siRNA Disorazole DMSO Run2	NM_1944 36	LDHD	lactate dehydroge nase D	1.775582	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_000527	LDLR	low density lipoprotein receptor (familial hypercholesterolemia)	-1.446128	Inlier
siRNA Disorazole DMSO Run1	NM_000527	LDLR	low density lipoprotein receptor (familial hypercholesterolemia)	-0.659916	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000527	LDLR	low density lipoprotein receptor (familial hypercholesterolemia)	-0.615819	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000527	LDLR	low density lipoprotein receptor (familial hypercholesterolemia)	-0.19755	Inlier
siRNA Disorazole DMSO Run3	NM_000527	LDLR	low density lipoprotein receptor (familial hypercholesterolemia)	0.197549	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000527	LDLR	low density lipoprotein receptor (familial hypercholesterolemia)	0.689084	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0005 27	LDLR	low density lipoprotein receptor (familial hypercholesterolemia)	2.017721	Inlier
siRNA Disorazole DMSO Run2	NM_0005 27	LDLR	low density lipoprotein receptor (familial hypercholesterolemia)	2.860694	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0242 98	LENG4	leukocyte receptor cluster (LRC) member 4	-1.517554	Inlier
siRNA Disorazole DMSO Run1	NM_0242 98	LENG4	leukocyte receptor cluster (LRC) member 4	-0.728001	Inlier
siRNA Disorazole DMSO Run3	NM_0242 98	LENG4	leukocyte receptor cluster (LRC) member 4	-0.620999	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0242 98	LENG4	leukocyte receptor cluster (LRC) member 4	-0.114799	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0242 98	LENG4	leukocyte receptor cluster (LRC) member 4	0.114799	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0242 98	LENG4	leukocyte receptor cluster (LRC) member 4	0.404324	Inlier
siRNA Disorazole DMSO Run2	NM_0242 98	LENG4	leukocyte receptor cluster (LRC) member 4	2.517672	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Gene	Gene	Value	Category
siRNA-Vinblastine Run1-DMSO	NM_0242	LENG4	leukocyte receptor cluster (LRC) member 4	2.70981	Inlier
siRNA Disorazole DMSO Run1	NM_0023	LEPR	leptin receptor	-1.469409	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0023	LEPR	leptin receptor	-0.898023	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0023	LEPR	leptin receptor	-0.450977	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0023	LEPR	leptin receptor	-0.287727	Inlier
siRNA Disorazole DMSO Run3	NM_0023	LEPR	leptin receptor	0.287727	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0023	LEPR	leptin receptor	0.365364	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0023	LEPR	leptin receptor	7.786614	Outlier
siRNA Disorazole DMSO Run2	NM_0023	LEPR	leptin receptor	7.957044	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0181	LEPREL1	leprecan-like 1	-4.29684	Outlier
siRNA Disorazole DMSO Run3	NM_0181	LEPREL1	leprecan-like 1	-0.991264	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0181	LEPREL1	leprecan-like 1	-0.137692	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0181	LEPREL1	leprecan-like 1	-0.028392	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0181	LEPREL1	leprecan-like 1	0.028393	Inlier
siRNA Disorazole DMSO Run1	NM_0181	LEPREL1	leprecan-like 1	0.357736	Inlier
siRNA Disorazole DMSO Run2	NM_0181	LEPREL1	leprecan-like 1	4.812466	Outlier
siRNA-Vinblastine Run1-DMSO	NM_0181	LEPREL1	leprecan-like 1	6.638997	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0142	LEPREL2	leprecan-like 2	-1.518762	Inlier
siRNA Disorazole DMSO Run3	NM_0142	LEPREL2	leprecan-like 2	-0.842253	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0142	LEPREL2	leprecan-like 2	-0.506747	Inlier
siRNA Disorazole DMSO Run1	NM_0142	LEPREL2	leprecan-like 2	-0.014096	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0142	LEPREL2	leprecan-like 2	0.014096	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0142	LEPREL2	leprecan-like 2	0.014912	Inlier
siRNA Disorazole DMSO Run2	NM_0142	LEPREL2	leprecan-like 2	1.278671	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA/Condition	Gene ID	Gene Name	Protein Name	Score	Outlier Status
siRNA-Vinblastine Run1-DMSO	NM_014262	LEPREL2	leprecan-like 2	1.661993	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005567	LGALS3BP	lectin, galactosid e-binding, soluble, 3 binding protein	-1.335043	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005567	LGALS3BP	lectin, galactosid e-binding, soluble, 3 binding protein	-0.717055	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005567	LGALS3BP	lectin, galactosid e-binding, soluble, 3 binding protein	-0.631945	Inlier
siRNA Disorazole DMSO Run3	NM_005567	LGALS3BP	lectin, galactosid e-binding, soluble, 3 binding protein	-0.332977	Inlier
siRNA Disorazole DMSO Run2	NM_005567	LGALS3BP	lectin, galactosid e-binding, soluble, 3 binding protein	0.332978	Inlier
siRNA Disorazole DMSO Run1	NM_005567	LGALS3BP	lectin, galactosid e-binding, soluble, 3 binding protein	0.40233	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005567	LGALS3BP	lectin, galactosid e-binding, soluble, 3 binding protein	2.207593	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005567	LGALS3BP	lectin, galactosid e-binding, soluble, 3 binding protein	2.350198	Inlier
siRNA Disorazole DMSO Run2	NM_180990	LGICZ	LGICZ	-1.156221	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA-Temozolomide Run3- DMSO	NM_1809 90	LGICZ	LGICZ	-0.662135	Inlier
	NM_1809				
siRNA Disorazole DMSO Run3	90	LGICZ	LGICZ	-0.524617	Inlier
	NM_1809				
siRNA Disorazole DMSO Run1	90	LGICZ	LGICZ	-0.237658	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1809 90	LGICZ	LGICZ	0.237658	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1809 90	LGICZ	LGICZ	0.686865	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1809 90	LGICZ	LGICZ	1.003542	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1809 90	LGICZ	LGICZ	1.416717	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0056 06	LGMN	legumain	-1.280191	Inlier
	NM_0056				
siRNA Disorazole DMSO Run1	06	LGMN	legumain	-0.721674	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0056 06	LGMN	legumain	-0.627326	Inlier
	NM_0056				
siRNA Disorazole DMSO Run2	06	LGMN	legumain	-0.154237	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0056 06	LGMN	legumain	0.154237	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0056 06	LGMN	legumain	0.470732	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0056 06	LGMN	legumain	1.171781	Inlier
	NM_0056				
siRNA Disorazole DMSO Run3	06	LGMN	legumain	4.475868	Outlier
			leucine- rich repeat- containing G protein- coupled receptor 6		
siRNA-Temozolomide Run3- DMSO	NM_0216 36	LGR6		-2.873057	Inlier
	NM_0216		leucine- rich repeat- containing G protein- coupled receptor 6		
siRNA Disorazole DMSO Run2	36	LGR6		-1.956639	Inlier
	NM_0216		leucine- rich repeat- containing G protein- coupled receptor 6		
siRNA-Temozolomide Run1- DMSO	NM_0216 36	LGR6		-0.820006	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0216 36	LGR6	leucine-rich repeat-containing G protein-coupled receptor 6	-0.120922	Inlier
siRNA Disorazole DMSO Run3	NM_0216 36	LGR6	leucine-rich repeat-containing G protein-coupled receptor 6	0.120922	Inlier
siRNA Disorazole DMSO Run1	NM_0216 36	LGR6	leucine-rich repeat-containing G protein-coupled receptor 6	0.206794	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0216 36	LGR6	leucine-rich repeat-containing G protein-coupled receptor 6	0.613647	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0216 36	LGR6	leucine-rich repeat-containing G protein-coupled receptor 6	0.735353	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0216 34	LGR7	leucine-rich repeat-containing G protein-coupled receptor 7	-1.006143	Inlier
siRNA Disorazole DMSO Run3	NM_0216 34	LGR7	leucine-rich repeat-containing G protein-coupled receptor 7	-0.342857	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0216 34	LGR7	leucine-rich repeat-containing G protein-coupled receptor 7	-0.267198	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0216 34	LGR7	leucine-rich repeat-containing G protein-coupled receptor 7	-0.0687	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0216 34	LGR7	leucine-rich repeat-containing G protein-coupled receptor 7	0.0687	Inlier
siRNA Disorazole DMSO Run1	NM_0216 34	LGR7	leucine-rich repeat-containing G protein-coupled receptor 7	1.148911	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0216 34	LGR7	leucine-rich repeat-containing G protein-coupled receptor 7	1.235408	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0216 34	LGR7	leucine-rich repeat-containing G protein-coupled receptor 7	1.685481	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1308 06	LGR8	leucine-rich repeat-containing G protein-coupled receptor 8	-0.705616	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_1308 06	LGR8	leucine-rich repeat-containing G protein-coupled receptor 8	-0.687833	Inlier
siRNA Disorazole DMSO Run3	NM_1308 06	LGR8	leucine-rich repeat-containing G protein-coupled receptor 8	-0.414193	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1308 06	LGR8	leucine-rich repeat-containing G protein-coupled receptor 8	-0.286862	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1308 06	LGR8	leucine-rich repeat-containing G protein-coupled receptor 8	0.286863	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1308 06	LGR8	leucine-rich repeat-containing G protein-coupled receptor 8	0.661167	Inlier
siRNA Disorazole DMSO Run1	NM_1308 06	LGR8	leucine-rich repeat-containing G protein-coupled receptor 8	0.702723	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1308 06	LGR8	leucine-rich repeat-containing G protein-coupled receptor 8	0.790781	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0002 33	LHCGR	luteinizing hormone/c horiogona dotropin receptor	-1.125303	Inlier
siRNA Disorazole DMSO Run2	NM_0002 33	LHCGR	luteinizing hormone/c horiogona dotropin receptor	-0.223697	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0002 33	LHCGR	luteinizing hormone/c horiogona dotropin receptor	-0.186702	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0002 33	LHCGR	luteinizing hormone/c horiogona dotropin receptor	-0.093351	Inlier
siRNA Disorazole DMSO Run3	NM_0002 33	LHCGR	luteinizing hormone/c horiogona dotropin receptor	0.093351	Inlier
siRNA Disorazole DMSO Run1	NM_0002 33	LHCGR	luteinizing hormone/c horiogona dotropin receptor	1.173728	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0002 33	LHCGR	luteinizing hormone/c horiogona dotropin receptor	1.538514	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0002 33	LHCGR	luteinizing hormone/c horiogona dotropin receptor	1.845302	Inlier
siRNA Disorazole DMSO Run2	NM_0221 26	LHPP	LHPP	-1.557518	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0221 26	LHPP	LHPP	-1.325508	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0221 26	LHPP	LHPP	-1.207979	Inlier
siRNA Disorazole DMSO Run3	NM_0221 26	LHPP	LHPP	-0.585903	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0221 26	LHPP	LHPP	0.585903	Inlier
siRNA Disorazole DMSO Run1	NM_0221 26	LHPP	LHPP	0.640638	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA-Vinblastine Run1- DMSO	NM_0221 26	LHPP	LHPP	0.657181	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0221 26	LHPP	LHPP	0.691819	Inlier
siRNA Disorazole DMSO Run1	NM_1944 51	LIAS	lipoic acid synthetase	-1.052873	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1944 51	LIAS	lipoic acid synthetase	-1.005159	Inlier
siRNA Disorazole DMSO Run3	NM_1944 51	LIAS	lipoic acid synthetase	-0.343841	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1944 51	LIAS	lipoic acid synthetase	-0.052961	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1944 51	LIAS	lipoic acid synthetase	0.052963	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1944 51	LIAS	lipoic acid synthetase	0.207448	Inlier
siRNA Disorazole DMSO Run2	NM_1944 51	LIAS	lipoic acid synthetase	3.012912	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1944 51	LIAS	lipoic acid synthetase leukemia inhibitory factor (cholinergi c	3.451624	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0023 09	LIF	differentiat ion factor) leukemia inhibitory factor (cholinergi c	-0.846724	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0023 09	LIF	differentiat ion factor) leukemia inhibitory factor (cholinergi c	-0.502276	Inlier
siRNA Disorazole DMSO Run3	NM_0023 09	LIF	differentiat ion factor)	-0.333192	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			leukemia inhibitory factor (cholinergi c	
siRNA-Vinblastine Run2- DMSO	NM_0023 09	LIF	differentiat ion factor)	-0.247574 Inlier
			leukemia inhibitory factor (cholinergi c	
siRNA-Temozolomide Run1- DMSO	NM_0023 09	LIF	differentiat ion factor)	0.247574 Inlier
			leukemia inhibitory factor (cholinergi c	
siRNA Disorazole DMSO Run1	NM_0023 09	LIF	differentiat ion factor)	1.023087 Inlier
			leukemia inhibitory factor (cholinergi c	
siRNA Disorazole DMSO Run2	NM_0023 09	LIF	differentiat ion factor)	4.954322 Outlier
			leukemia inhibitory factor (cholinergi c	
siRNA-Vinblastine Run1- DMSO	NM_0023 09	LIF	differentiat ion factor)	5.365467 Outlier
			leukemia inhibitory factor	
siRNA-Temozolomide Run2- DMSO	NM_0023 10	LIFR	receptor	-2.312479 Inlier
			leukemia inhibitory factor	
siRNA-Temozolomide Run3- DMSO	NM_0023 10	LIFR	receptor	-0.630757 Inlier
			leukemia inhibitory factor	
siRNA Disorazole DMSO Run1	NM_0023 10	LIFR	receptor	-0.518702 Inlier
			leukemia inhibitory factor	
siRNA-Vinblastine Run2- DMSO	NM_0023 10	LIFR	receptor	-0.190936 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0023 10	LIFR	leukemia inhibitory factor receptor	0.190936	Inlier
siRNA Disorazole DMSO Run3	NM_0023 10	LIFR	leukemia inhibitory factor receptor	0.718243	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0023 10	LIFR	leukemia inhibitory factor receptor	1.94287	Inlier
siRNA Disorazole DMSO Run2	NM_0023 10	LIFR	leukemia inhibitory factor receptor	2.705601	Inlier
siRNA Disorazole DMSO Run3	NM_0002 34	LIG1	ligase I, DNA, ATP- dependent	-0.700103	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0002 34	LIG1	ligase I, DNA, ATP- dependent	-0.648897	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0002 34	LIG1	ligase I, DNA, ATP- dependent	-0.623841	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0002 34	LIG1	ligase I, DNA, ATP- dependent	-0.005777	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0002 34	LIG1	ligase I, DNA, ATP- dependent	0.005777	Inlier
siRNA Disorazole DMSO Run1	NM_0002 34	LIG1	ligase I, DNA, ATP- dependent	1.663437	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0002 34	LIG1	ligase I, DNA, ATP- dependent	2.455412	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0002 34	LIG1	ligase I, DNA, ATP- dependent	2.571606	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0023 11	LIG3	ligase III, DNA, ATP- dependent	-2.074184	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0023 11	LIG3	ligase III, DNA, ATP- dependent	-0.979374	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0023 11	LIG3	ligase III, DNA, ATP- dependent	-0.335352	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0023 11	LIG3	ligase III, DNA, ATP- dependent	-0.137016	Inlier
siRNA Disorazole DMSO Run1	NM_0023 11	LIG3	ligase III, DNA, ATP- dependent	0.137016	Inlier
siRNA Disorazole DMSO Run3	NM_0023 11	LIG3	ligase III, DNA, ATP- dependent	0.369626	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0023 11	LIG3	ligase III, DNA, ATP- dependent	1.313387	Inlier
siRNA Disorazole DMSO Run2	NM_0023 11	LIG3	ligase III, DNA, ATP- dependent	1.846521	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0023 12	LIG4	ligase IV, DNA, ATP- dependent	-1.268489	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0023 12	LIG4	ligase IV, DNA, ATP- dependent	-0.662019 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0023 12	LIG4	ligase IV, DNA, ATP- dependent	-0.236645 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0023 12	LIG4	ligase IV, DNA, ATP- dependent	-0.162315 Inlier
siRNA Disorazole DMSO Run3	NM_0023 12	LIG4	ligase IV, DNA, ATP- dependent	0.162316 Inlier
siRNA Disorazole DMSO Run2	NM_0023 12	LIG4	ligase IV, DNA, ATP- dependent	0.686981 Inlier
siRNA Disorazole DMSO Run1	NM_0023 12	LIG4	ligase IV, DNA, ATP- dependent	0.938275 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0023 12	LIG4	ligase IV, DNA, ATP- dependent	1.289939 Inlier
siRNA Disorazole DMSO Run1	NM_0068 63	LILRA1	leukocyte immunogl obulin-like receptor, subfamily A (with TM domain), member 1	-0.811869 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_006863	LILRA1	leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 1	-0.800085	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006863	LILRA1	leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 1	-0.306569	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006863	LILRA1	leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 1	-0.162869	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006863	LILRA1	leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 1	0.162869	Inlier
siRNA Disorazole DMSO Run3	NM_006863	LILRA1	leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 1	0.548915	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0068 63	LILRA1	leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 1	1.110858	Inlier
siRNA Disorazole DMSO Run2	NM_0068 63	LILRA1	leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 1	1.631025	Inlier
siRNA Disorazole DMSO Run1	NM_0068 66	LILRA2	leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 2	-0.937884	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0068 66	LILRA2	leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 2	-0.411116	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0068 66	LILRA2	leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 2	-0.382364	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_006866	LILRA2	leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 2	-0.013086	Inlier
siRNA Disorazole DMSO Run3	NM_006866	LILRA2	leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 2	0.013086	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006866	LILRA2	leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 2	1.76649	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006866	LILRA2	leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 2	3.613957	Outlier
siRNA Disorazole DMSO Run2	NM_006866	LILRA2	leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 2	4.268029	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0068 65	LILRA3	leukocyte immunoglobulin-like receptor, subfamily A (without TM domain), member 3	-0.938968	Inlier
siRNA Disorazole DMSO Run1	NM_0068 65	LILRA3	leukocyte immunoglobulin-like receptor, subfamily A (without TM domain), member 3	-0.505636	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0068 65	LILRA3	leukocyte immunoglobulin-like receptor, subfamily A (without TM domain), member 3	-0.264227	Inlier
siRNA Disorazole DMSO Run3	NM_0068 65	LILRA3	leukocyte immunoglobulin-like receptor, subfamily A (without TM domain), member 3	-0.168339	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0068 65	LILRA3	leukocyte immunoglobulin-like receptor, subfamily A (without TM domain), member 3	0.16834	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_006865	LILRA3	leukocyte immunoglobulin-like receptor, subfamily A (without TM domain), member 3	0.843364	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006865	LILRA3	leukocyte immunoglobulin-like receptor, subfamily A (without TM domain), member 3	2.331044	Inlier
siRNA Disorazole DMSO Run2	NM_006865	LILRA3	leukocyte immunoglobulin-like receptor, subfamily A (without TM domain), member 3	3.766683	Outlier
siRNA-Temozolomide Run3-DMSO	NM_006669	LILRB1	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 1	-0.970111	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006669	LILRB1	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 1	-0.883522	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0066 69	LILRB1	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 1	-0.297948	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0066 69	LILRB1	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 1	-0.073578	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0066 69	LILRB1	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 1	0.073578	Inlier
siRNA Disorazole DMSO Run3	NM_0066 69	LILRB1	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 1	0.465478	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0066 69	LILRB1	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 1	1.416007	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0066 69	LILRB1	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 1	1.697704	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0058 74	LILRB2	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 2	-0.879098	Inlier
siRNA Disorazole DMSO Run1	NM_0058 74	LILRB2	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 2	-0.707816	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0058 74	LILRB2	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 2	-0.394869	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0058 74	LILRB2	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 2	-0.321943	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0058 74	LILRB2	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 2	0.321943	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0058 74	LILRB2	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 2	0.641184	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0058 74	LILRB2	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 2	1.366377	Inlier
siRNA Disorazole DMSO Run2	NM_0058 74	LILRB2	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 2	1.718168	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0068 64	LILRB3	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 3	-1.974693	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_006864	LILRB3	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 3	-0.727524	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006864	LILRB3	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 3	-0.621476	Inlier
siRNA Disorazole DMSO Run3	NM_006864	LILRB3	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 3	-0.332522	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006864	LILRB3	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 3	0.332522	Inlier
siRNA Disorazole DMSO Run1	NM_006864	LILRB3	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 3	0.533005	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0068 64	LILRB3	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 3	3.424487	Inlier
siRNA Disorazole DMSO Run2	NM_0068 64	LILRB3	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 3	3.581538	Outlier
siRNA Disorazole DMSO Run1	NM_0068 47	LILRB4	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 4	-1.182862	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0068 47	LILRB4	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 4	-0.166138	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0068 47	LILRB4	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 4	-0.140449	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0068 47	LILRB4	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 4	-0.022544	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0068 47	LILRB4	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 4	0.022544	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0068 47	LILRB4	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 4	1.33803	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0068 47	LILRB4	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 4	2.57458	Inlier
siRNA Disorazole DMSO Run2	NM_0068 47	LILRB4	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 4	2.935718	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_006840	LILRB5	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 5	-1.090506	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006840	LILRB5	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 5	-0.952997	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006840	LILRB5	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 5	-0.3481	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006840	LILRB5	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 5	-0.078499	Inlier
siRNA Disorazole DMSO Run1	NM_006840	LILRB5	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 5	0.078499	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0068 40	LILRB5	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 5	0.396003	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0068 40	LILRB5	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 5	1.445577	Inlier
siRNA Disorazole DMSO Run2	NM_0068 40	LILRB5	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 5	1.522978	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 11513	LIM	PDZ and LIM domain 5	-0.875694	Inlier
siRNA Disorazole DMSO Run3	NM_0010 11513	LIM	PDZ and LIM domain 5	-0.721912	Inlier
siRNA Disorazole DMSO Run2	NM_0010 11513	LIM	PDZ and LIM domain 5	-0.646842	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 11513	LIM	PDZ and LIM domain 5	-0.055436	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 11513	LIM	PDZ and LIM domain 5	0.055436	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 11513	LIM	PDZ and LIM domain 5	0.587847	Inlier
siRNA Disorazole DMSO Run1	NM_0010 11513	LIM	PDZ and LIM domain 5	0.702158	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	Gene ID	Gene Name	Protein Domain	Score	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001011513	LIM	PDZ and LIM domain 5	0.863007	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002314	LIMK1	LIM domain kinase 1	-0.766764	Inlier
siRNA Disorazole DMSO Run2	NM_002314	LIMK1	LIM domain kinase 1	-0.582236	Inlier
siRNA Disorazole DMSO Run3	NM_002314	LIMK1	LIM domain kinase 1	-0.577886	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002314	LIMK1	LIM domain kinase 1	-0.424993	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002314	LIMK1	LIM domain kinase 1	0.424993	Inlier
siRNA Disorazole DMSO Run1	NM_002314	LIMK1	LIM domain kinase 1	0.866354	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002314	LIMK1	LIM domain kinase 1	1.316367	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002314	LIMK1	LIM domain kinase 1	1.605518	Inlier
siRNA Disorazole DMSO Run3	NM_016733	LIMK2	LIM domain kinase 2	-0.840046	Inlier
siRNA-Temozolomide Run3-DMSO	NM_016733	LIMK2	LIM domain kinase 2	-0.793244	Inlier
siRNA Disorazole DMSO Run1	NM_016733	LIMK2	LIM domain kinase 2	-0.397835	Inlier
siRNA-Vinblastine Run2-DMSO	NM_016733	LIMK2	LIM domain kinase 2	-0.31718	Inlier
siRNA-Temozolomide Run2-DMSO	NM_016733	LIMK2	LIM domain kinase 2	0.31718	Inlier
siRNA-Temozolomide Run1-DMSO	NM_016733	LIMK2	LIM domain kinase 2	0.555756	Inlier
siRNA Disorazole DMSO Run2	NM_016733	LIMK2	LIM domain kinase 2	0.840677	Inlier
siRNA-Vinblastine Run1-DMSO	NM_016733	LIMK2	LIM domain kinase 2	1.98341	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_000235	LIPA	lipase A, lysosomal acid, cholesterol esterase (Wolman disease)	-1.327728	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000235	LIPA	lipase A, lysosomal acid, cholesterol esterase (Wolman disease)	-1.206808	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000235	LIPA	lipase A, lysosomal acid, cholesterol esterase (Wolman disease)	-0.264419	Inlier
siRNA Disorazole DMSO Run1	NM_000235	LIPA	lipase A, lysosomal acid, cholesterol esterase (Wolman disease)	-0.032094	Inlier
siRNA Disorazole DMSO Run3	NM_000235	LIPA	lipase A, lysosomal acid, cholesterol esterase (Wolman disease)	0.032094	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000235	LIPA	lipase A, lysosomal acid, cholesterol esterase (Wolman disease)	0.149812	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_000235	LIPA	lipase A, lysosomal acid, cholesterol esterase (Wolman disease)	1.084581	Inlier
siRNA Disorazole DMSO Run2	NM_000235	LIPA	lipase A, lysosomal acid, cholesterol esterase (Wolman disease)	1.273017	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000236	LIPC	lipase, hepatic	-1.989606	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000236	LIPC	lipase, hepatic	-1.15467	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000236	LIPC	lipase, hepatic	-0.930401	Inlier
siRNA Disorazole DMSO Run3	NM_000236	LIPC	lipase, hepatic	-0.260929	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000236	LIPC	lipase, hepatic	0.260929	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000236	LIPC	lipase, hepatic	0.403841	Inlier
siRNA Disorazole DMSO Run1	NM_000236	LIPC	lipase, hepatic	0.555165	Inlier
siRNA Disorazole DMSO Run2	NM_000236	LIPC	lipase, hepatic	0.793835	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005357	LIPE	hormone-sensitive lipase,	-1.643549	Inlier
siRNA Disorazole DMSO Run1	NM_005357	LIPE	hormone-sensitive lipase,	-0.820605	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005357	LIPE	hormone-sensitive lipase,	-0.479105	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005357	LIPE	hormone-sensitive lipase,	-0.281289	Inlier
siRNA Disorazole DMSO Run3	NM_005357	LIPE	hormone-sensitive lipase,	0.281289	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005357	LIPE	hormone-sensitive	0.542772	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology siRNA-Vinblastine Run1- DMSO	NM_0053 57	LIPE	lipase, hormone- sensitive	0.806228	Inlier
siRNA Disorazole DMSO Run2	NM_0053 57	LIPE	lipase, hormone- sensitive	0.827516	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0041 90	LIPF	lipase, gastric	-1.535192	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0041 90	LIPF	lipase, gastric	-0.958196	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0041 90	LIPF	lipase, gastric	-0.23367	Inlier
siRNA Disorazole DMSO Run3	NM_0041 90	LIPF	lipase, gastric	-0.044528	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0041 90	LIPF	lipase, gastric	0.044529	Inlier
siRNA Disorazole DMSO Run1	NM_0041 90	LIPF	lipase, gastric	0.566221	Inlier
siRNA Disorazole DMSO Run2	NM_0041 90	LIPF	lipase, gastric	0.782779	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0041 90	LIPF	lipase, gastric	1.131164	Inlier
siRNA Disorazole DMSO Run1	NM_0060 33	LIPG	lipase, endothelial	-1.863219	Inlier
siRNA Disorazole DMSO Run3	NM_0060 33	LIPG	lipase, endothelial	-0.701493	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0060 33	LIPG	lipase, endothelial	-0.459219	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0060 33	LIPG	lipase, endothelial	-0.197916	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0060 33	LIPG	lipase, endothelial	0.197918	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0060 33	LIPG	lipase, endothelial	0.647507	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0060 33	LIPG	lipase, endothelial	2.604545	Inlier
siRNA Disorazole DMSO Run2	NM_0060 33	LIPG	lipase, endothelial	3.225728	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1392 48	LIPH	lipase, member H	-0.909115	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1392 48	LIPH	lipase, member H	-0.60327	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_1392 48	LIPH	lipase, member H	-0.218767	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1392 48	LIPH	lipase, member H	-0.139436	Inlier
siRNA Disorazole DMSO Run3	NM_1392 48	LIPH	lipase, member H	0.139436	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1392 48	LIPH	lipase, member H	0.74573	Inlier
siRNA Disorazole DMSO Run2	NM_1392 48	LIPH	lipase, member H	0.790497	Inlier
siRNA Disorazole DMSO Run1	NM_1392 48	LIPH	lipase, member H	0.810874	Inlier
siRNA Disorazole DMSO Run1	NM_1989 96	LIPI	lipase, member I	-2.519408	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1989 96	LIPI	lipase, member I	-0.772153	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1989 96	LIPI	lipase, member I	-0.446522	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1989 96	LIPI	lipase, member I	-0.413054	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1989 96	LIPI	lipase, member I	0.413054	Inlier
siRNA Disorazole DMSO Run3	NM_1989 96	LIPI	lipase, member I	0.576847	Inlier
siRNA Disorazole DMSO Run2	NM_1989 96	LIPI	lipase, member I	1.155109	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1989 96	LIPI	lipase, member I	1.571944	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1451 96	LIPT1	lipoyltransf erase 1	-2.389582	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1451 96	LIPT1	lipoyltransf erase 1	-0.955773	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1451 96	LIPT1	lipoyltransf erase 1	-0.620312	Inlier
siRNA Disorazole DMSO Run2	NM_1451 96	LIPT1	lipoyltransf erase 1	-0.090801	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1451 96	LIPT1	lipoyltransf erase 1	0.090799	Inlier
siRNA Disorazole DMSO Run3	NM_1451 96	LIPT1	lipoyltransf erase 1	0.525888	Inlier
siRNA Disorazole DMSO Run1	NM_1451 96	LIPT1	lipoyltransf erase 1	0.728688	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1451 96	LIPT1	lipoyltransf erase 1	1.303736	Inlier
siRNA-Temozolomide Run3-DMSO	NM_2058 35	LISCH7	LISCH7	-0.968509	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA-Vinblastine Run2- DMSO	NM_2058 35	LISCH7	LISCH7	-0.698412	Inlier
siRNA-Temozolomide Run2- DMSO	NM_2058 35	LISCH7	LISCH7	-0.650588	Inlier
siRNA Disorazole DMSO Run3	NM_2058 35	LISCH7	LISCH7	-0.176497	Inlier
siRNA-Temozolomide Run1- DMSO	NM_2058 35	LISCH7	LISCH7	0.176497	Inlier
siRNA Disorazole DMSO Run1	NM_2058 35	LISCH7	LISCH7	0.309251	Inlier
siRNA-Vinblastine Run1- DMSO	NM_2058 35	LISCH7	LISCH7	1.133021	Inlier
siRNA Disorazole DMSO Run2	NM_2058 35	LISCH7	LISCH7	1.240654	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0330 29	LMLN	leishmanol ysin-like (metallope ptidase M8 family)	-1.160991	Inlier
siRNA Disorazole DMSO Run1	NM_0330 29	LMLN	leishmanol ysin-like (metallope ptidase M8 family)	-0.745552	Inlier
siRNA Disorazole DMSO Run3	NM_0330 29	LMLN	leishmanol ysin-like (metallope ptidase M8 family)	-0.603448	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0330 29	LMLN	leishmanol ysin-like (metallope ptidase M8 family)	-0.102524	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0330 29	LMLN	leishmanol ysin-like (metallope ptidase M8 family)	0.102523	Inlier
siRNA Disorazole DMSO Run2	NM_0330 29	LMLN	leishmanol ysin-like (metallope ptidase M8 family)	0.40342	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0330 29	LMLN	leishmanolysin-like (metallopeptidase M8 family)	0.760939	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0330 29	LMLN	leishmanolysin-like (metallopeptidase M8 family)	1.134854	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0149 16	LMTK2	tyrosine kinase 2 lemur	-1.408426	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0149 16	LMTK2	tyrosine kinase 2 lemur	-0.652054	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0149 16	LMTK2	tyrosine kinase 2 lemur	-0.203758	Inlier
siRNA Disorazole DMSO Run1	NM_0149 16	LMTK2	tyrosine kinase 2 lemur	-0.094381	Inlier
siRNA Disorazole DMSO Run2	NM_0149 16	LMTK2	tyrosine kinase 2 lemur	0.094381	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0149 16	LMTK2	tyrosine kinase 2 lemur	0.696946	Inlier
siRNA Disorazole DMSO Run3	NM_0149 16	LMTK2	tyrosine kinase 2 lemur	0.945863	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0149 16	LMTK2	tyrosine kinase 2 leucyl/cystinyl	1.316254	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1759 20	LNPEP	aminopeptidase leucyl/cystinyl	-0.861802	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1759 20	LNPEP	aminopeptidase leucyl/cystinyl	-0.78273	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1759 20	LNPEP	aminopeptidase leucyl/cystinyl	-0.29267	Inlier
siRNA Disorazole DMSO Run2	NM_1759 20	LNPEP	aminopeptidase	-0.249549	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			leucyl/cysti nyl aminopept idase	
siRNA Disorazole DMSO Run3	NM_1759 20	LNPEP	leucyl/cysti nyl aminopept idase	0.249548 Inlier
siRNA Disorazole DMSO Run1	NM_1759 20	LNPEP	leucyl/cysti nyl aminopept idase	0.56627 Inlier
siRNA-Vinblastine Run2- DMSO	NM_1759 20	LNPEP	leucyl/cysti nyl aminopept idase	1.335544 Inlier
siRNA-Vinblastine Run1- DMSO	NM_1759 20	LNPEP	leucyl/cysti nyl aminopept idase	1.63103 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0529 37	LOC11529 4	LOC11529 4	-1.388159 Inlier
siRNA Disorazole DMSO Run3	NM_0529 37	LOC11529 4	LOC11529 4	-0.27076 Inlier
siRNA Disorazole DMSO Run1	NM_0529 37	LOC11529 4	LOC11529 4	-0.184167 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0529 37	LOC11529 4	LOC11529 4	-0.176238 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0529 37	LOC11529 4	LOC11529 4	0.17624 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0529 37	LOC11529 4	LOC11529 4	1.07824 Inlier
siRNA Disorazole DMSO Run2	NM_0529 37	LOC11529 4	LOC11529 4	5.985734 Outlier
siRNA-Vinblastine Run1- DMSO	NM_0529 37	LOC11529 4	LOC11529 4	7.545624 Outlier
siRNA-Vinblastine Run2- DMSO	NM_1387 84	LOC11612 3	LOC11612 3	-1.258295 Inlier
siRNA-Temozolomide Run2- DMSO	NM_1387 84	LOC11612 3	LOC11612 3	-0.818965 Inlier
siRNA Disorazole DMSO Run3	NM_1387 84	LOC11612 3	LOC11612 3	-0.355845 Inlier
siRNA Disorazole DMSO Run1	NM_1387 84	LOC11612 3	LOC11612 3	-0.127737 Inlier
siRNA-Temozolomide Run1- DMSO	NM_1387 84	LOC11612 3	LOC11612 3	0.127737 Inlier
siRNA-Temozolomide Run3- DMSO	NM_1387 84	LOC11612 3	LOC11612 3	0.530035 Inlier
siRNA-Vinblastine Run1- DMSO	NM_1387 84	LOC11612 3	LOC11612 3	2.904245 Inlier
siRNA Disorazole DMSO Run2	NM_1387 84	LOC11612 3	LOC11612 3	3.275972 Inlier
siRNA-Temozolomide Run2- DMSO	NM_1384 58	LOC11614 3	LOC11614 3	-0.692089 Inlier
siRNA-Temozolomide Run3- DMSO	NM_1384 58	LOC11614 3	LOC11614 3	-0.656911 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_1384	LOC11614	LOC11614		
siRNA Disorazole DMSO Run2	58	3	3	-0.387622	Inlier
	NM_1384	LOC11614	LOC11614		
siRNA Disorazole DMSO Run3	58	3	3	-0.026555	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1384	LOC11614	LOC11614		
	58	3	3	0.026555	Inlier
	NM_1384	LOC11614	LOC11614		
siRNA Disorazole DMSO Run1	58	3	3	0.848589	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1384	LOC11614	LOC11614		
	58	3	3	0.910428	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1384	LOC11614	LOC11614		
	58	3	3	1.231172	Inlier
			olfactory receptor, family 4, subfamily		
	XM_06417	LOC12453	D,		
siRNA Disorazole DMSO Run1	7	8	member 2	-1.901154	Inlier
			olfactory receptor, family 4, subfamily		
	XM_06417	LOC12453	D,		
siRNA-Vinblastine Run2-DMSO	7	8	member 2	-0.721277	Inlier
			olfactory receptor, family 4, subfamily		
	XM_06417	LOC12453	D,		
siRNA-Temozolomide Run3-DMSO	7	8	member 2	-0.299507	Inlier
			olfactory receptor, family 4, subfamily		
	XM_06417	LOC12453	D,		
siRNA-Temozolomide Run1-DMSO	7	8	member 2	-0.149993	Inlier
			olfactory receptor, family 4, subfamily		
	XM_06417	LOC12453	D,		
siRNA-Temozolomide Run2-DMSO	7	8	member 2	0.149993	Inlier
			olfactory receptor, family 4, subfamily		
	XM_06417	LOC12453	D,		
siRNA Disorazole DMSO Run3	7	8	member 2	0.627723	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

				olfactory receptor, family 4, subfamily	
siRNA-Vinblastine Run1-DMSO	XM_06417	LOC12453	D, member 2	0.902421	Inlier
	7	8			
			olfactory receptor, family 4, subfamily		
siRNA Disorazole DMSO Run2	XM_06417	LOC12453	D, member 2	1.579739	Inlier
siRNA-Temozolomide Run2-DMSO	XM_37128	LOC12810	LOC12810	-2.749809	Inlier
	5	2	2		
siRNA Disorazole DMSO Run1	XM_37128	LOC12810	LOC12810	-0.808416	Inlier
	5	2	2		
siRNA Disorazole DMSO Run3	XM_37128	LOC12810	LOC12810	-0.540584	Inlier
siRNA-Vinblastine Run1-DMSO	XM_37128	LOC12810	LOC12810	-0.082537	Inlier
	5	2	2		
siRNA-Vinblastine Run2-DMSO	XM_37128	LOC12810	LOC12810	0.082536	Inlier
	5	2	2		
siRNA-Temozolomide Run1-DMSO	XM_37128	LOC12810	LOC12810	0.271789	Inlier
	5	2	2		
siRNA-Temozolomide Run3-DMSO	XM_37128	LOC12810	LOC12810	1.248963	Inlier
	5	2	2		
siRNA Disorazole DMSO Run2	XM_37128	LOC12810	LOC12810	7.374589	Outlier
siRNA-Temozolomide Run2-DMSO	NM_1387	LOC12953	LOC12953	-1.147397	Inlier
	98	1	1		
siRNA-Temozolomide Run3-DMSO	NM_1387	LOC12953	LOC12953	-0.810107	Inlier
	98	1	1		
siRNA-Temozolomide Run1-DMSO	NM_1387	LOC12953	LOC12953	-0.538893	Inlier
	98	1	1		
siRNA Disorazole DMSO Run2	NM_1387	LOC12953	LOC12953	-0.080932	Inlier
	98	1	1		
siRNA Disorazole DMSO Run1	NM_1387	LOC12953	LOC12953	0.080932	Inlier
	98	1	1		
siRNA Disorazole DMSO Run3	NM_1387	LOC12953	LOC12953	0.472595	Inlier
	98	1	1		
siRNA-Vinblastine Run1-DMSO	NM_1387	LOC12953	LOC12953	1.263777	Inlier
	98	1	1		
siRNA-Vinblastine Run2-DMSO	NM_1387	LOC12953	LOC12953	1.279806	Inlier
	98	1	1		
siRNA-Temozolomide Run2-DMSO	NM_1734	LOC13428	LOC13428	-1.141569	Inlier
	90	5	5		
siRNA-Temozolomide Run3-DMSO	NM_1734	LOC13428	LOC13428	-1.116214	Inlier
	90	5	5		
siRNA-Temozolomide Run1-DMSO	NM_1734	LOC13428	LOC13428	-0.259393	Inlier
	90	5	5		
siRNA Disorazole DMSO Run2	NM_1734	LOC13428	LOC13428	-0.249945	Inlier
	90	5	5		

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_1734	LOC13428	LOC13428		
siRNA Disorazole DMSO Run1	90	5	5	0.249944	Inlier
	NM_1734	LOC13428	LOC13428		
siRNA Disorazole DMSO Run3	90	5	5	0.577002	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1734	LOC13428	LOC13428		
	90	5	5	0.771997	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1734	LOC13428	LOC13428		
	90	5	5	0.793274	Inlier
			olfactory receptor, family 4, subfamily F,		
siRNA-Temozolomide Run3-DMSO	XM_06959	LOC13589	member 29	-1.287417	Inlier
	5	6	olfactory receptor, family 4, subfamily F,		
siRNA-Temozolomide Run2-DMSO	XM_06959	LOC13589	member 29	-1.18621	Inlier
	5	6	olfactory receptor, family 4, subfamily F,		
siRNA-Vinblastine Run2-DMSO	XM_06959	LOC13589	member 29	-0.594333	Inlier
	5	6	olfactory receptor, family 4, subfamily F,		
siRNA-Temozolomide Run1-DMSO	XM_06959	LOC13589	member 29	-0.067425	Inlier
	5	6	olfactory receptor, family 4, subfamily F,		
	XM_06959	LOC13589	member 29	0.067425	Inlier
siRNA Disorazole DMSO Run1	5	6	olfactory receptor, family 4, subfamily F,		
	XM_06959	LOC13589	member 29	0.082349	Inlier
siRNA Disorazole DMSO Run3	5	6	29		

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	XM	LOC	Gene Description	Value	Inlier
siRNA Disorazole DMSO Run2	5	6	olfactory receptor, family 4, subfamily F, member 29	0.754667	Inlier
siRNA-Vinblastine Run1-DMSO	5	6	olfactory receptor, family 4, subfamily F, member 29	0.865142	Inlier
siRNA-Temozolomide Run3-DMSO	1	6	olfactory receptor, family 6, subfamily B, member 1	-1.268288	Inlier
siRNA-Temozolomide Run2-DMSO	1	6	olfactory receptor, family 6, subfamily B, member 1	-1.001528	Inlier
siRNA-Temozolomide Run1-DMSO	1	6	olfactory receptor, family 6, subfamily B, member 1	-0.165844	Inlier
siRNA-Vinblastine Run2-DMSO	1	6	olfactory receptor, family 6, subfamily B, member 1	-0.076827	Inlier
siRNA Disorazole DMSO Run1	1	6	olfactory receptor, family 6, subfamily B, member 1	0.076827	Inlier
siRNA Disorazole DMSO Run3	1	6	olfactory receptor, family 6, subfamily B, member 1	0.601904	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

				olfactory receptor, family 6, subfamily	
siRNA-Vinblastine Run1-DMSO	XM_06962 1	LOC13594 6	B, member 1	0.747096	Inlier
			olfactory receptor, family 6, subfamily		
siRNA Disorazole DMSO Run2	XM_06962 1	LOC13594 6	B, member 1	0.96181	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 08270	LOC13624 2	LOC13624 2	-0.750438	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 08270	LOC13624 2	LOC13624 2	-0.598562	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 08270	LOC13624 2	LOC13624 2	-0.236048	Inlier
siRNA Disorazole DMSO Run1	NM_0010 08270	LOC13624 2	LOC13624 2	-0.089921	Inlier
siRNA Disorazole DMSO Run3	NM_0010 08270	LOC13624 2	LOC13624 2	0.089921	Inlier
siRNA Disorazole DMSO Run2	NM_0010 08270	LOC13624 2	LOC13624 2	0.925607	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 08270	LOC13624 2	LOC13624 2	1.198678	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 08270	LOC13624 2	LOC13624 2	1.473829	Inlier
			lipase-like, ab-hydrolase domain		
siRNA-Temozolomide Run3-DMSO	XM_08437 7	LOC14291 0	containing 1	-1.044276	Inlier
			lipase-like, ab-hydrolase domain		
siRNA Disorazole DMSO Run1	XM_08437 7	LOC14291 0	containing 1	-0.679281	Inlier
			lipase-like, ab-hydrolase domain		
siRNA-Temozolomide Run1-DMSO	XM_08437 7	LOC14291 0	containing 1	-0.669719	Inlier
			lipase-like, ab-hydrolase domain		
siRNA-Vinblastine Run2-DMSO	XM_08437 7	LOC14291 0	containing 1	-0.013711	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	XM_08437 7	LOC14291 0	lipase-like, ab- hydrolase domain containing 1	0.013711	Inlier
siRNA Disorazole DMSO Run3	XM_08437 7	LOC14291 0	lipase-like, ab- hydrolase domain containing 1	0.024843	Inlier
siRNA-Vinblastine Run1-DMSO	XM_08437 7	LOC14291 0	lipase-like, ab- hydrolase domain containing 1	0.993057	Inlier
siRNA Disorazole DMSO Run2	XM_08437 7	LOC14291 0	lipase-like, ab- hydrolase domain containing 1	1.18026	Inlier
siRNA-Vinblastine Run2-DMSO	XM_09020 3	LOC14412 5	olfactory receptor, family 2, subfamily AG, member 1	-0.809887	Inlier
siRNA-Temozolomide Run2-DMSO	XM_09020 3	LOC14412 5	olfactory receptor, family 2, subfamily AG, member 1	-0.539113	Inlier
siRNA Disorazole DMSO Run1	XM_09020 3	LOC14412 5	olfactory receptor, family 2, subfamily AG, member 1	-0.043191	Inlier
siRNA Disorazole DMSO Run3	XM_09020 3	LOC14412 5	olfactory receptor, family 2, subfamily AG, member 1	-0.01594	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	XM	LOC	Description	Value	Category
siRNA-Temozolomide Run3-DMSO	XM_09020 3	LOC14412 5	olfactory receptor, family 2, subfamily AG, member 1	0.01594	Inlier
siRNA-Temozolomide Run1-DMSO	XM_09020 3	LOC14412 5	olfactory receptor, family 2, subfamily AG, member 1	3.1988	Inlier
siRNA Disorazole DMSO Run2	XM_09020 3	LOC14412 5	olfactory receptor, family 2, subfamily AG, member 1	9.172321	Outlier
siRNA-Vinblastine Run1-DMSO	XM_09020 3	LOC14412 5	PDLIM1 interacting AG, member 1	11.90461	Outlier
siRNA-Temozolomide Run3-DMSO	NM_1528 35	LOC14942 0	kinase 1 like PDLIM1 interacting	-0.77146	Inlier
siRNA Disorazole DMSO Run2	NM_1528 35	LOC14942 0	kinase 1 like PDLIM1 interacting	-0.57754	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1528 35	LOC14942 0	kinase 1 like PDLIM1 interacting	-0.326721	Inlier
siRNA Disorazole DMSO Run3	NM_1528 35	LOC14942 0	kinase 1 like PDLIM1 interacting	-0.223432	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1528 35	LOC14942 0	kinase 1 like PDLIM1 interacting	0.223432	Inlier
siRNA Disorazole DMSO Run1	NM_1528 35	LOC14942 0	kinase 1 like PDLIM1 interacting	0.99139	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1528 35	LOC14942 0	kinase 1 like	1.059039	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

PDLIM1
interacting

siRNA-Vinblastine Run2- DMSO	NM_1528 35	LOC14942 0	kinase 1 like	1.213584	Inlier
siRNA-Temozolomide Run1- DMSO	XM_09268 1	LOC15157 5	LOC15157 5	-0.742708	Inlier
siRNA Disorazole DMSO Run3	XM_09268 1	LOC15157 5	LOC15157 5	-0.606292	Inlier
siRNA Disorazole DMSO Run1	XM_09268 1	LOC15157 5	LOC15157 5	-0.525818	Inlier
siRNA-Temozolomide Run2- DMSO	XM_09268 1	LOC15157 5	LOC15157 5	-0.072019	Inlier
siRNA-Vinblastine Run2- DMSO	XM_09268 1	LOC15157 5	LOC15157 5	0.072019	Inlier
siRNA-Temozolomide Run3- DMSO	XM_09268 1	LOC15157 5	LOC15157 5	0.858319	Inlier
siRNA Disorazole DMSO Run2	XM_09268 1	LOC15157 5	LOC15157 5	1.692835	Inlier
siRNA-Vinblastine Run1- DMSO	XM_09268 1	LOC15157 5	LOC15157 5	1.865997	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1828 29	LOC15816 0	LOC15816 0	-0.686526	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1828 29	LOC15816 0	LOC15816 0	-0.662474	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1828 29	LOC15816 0	LOC15816 0	-0.632315	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1828 29	LOC15816 0	LOC15816 0	-0.105741	Inlier
siRNA Disorazole DMSO Run1	NM_1828 29	LOC15816 0	LOC15816 0	0.105741	Inlier
siRNA Disorazole DMSO Run3	NM_1828 29	LOC15816 0	LOC15816 0	0.735745	Inlier
siRNA Disorazole DMSO Run2	NM_1828 29	LOC15816 0	LOC15816 0	1.821583	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1828 29	LOC15816 0	LOC15816 0	2.12576	Inlier
siRNA Disorazole DMSO Run3	XM_09115 6	LOC16182 3	LOC16182 3	-1.126876	Inlier
siRNA-Temozolomide Run3- DMSO	XM_09115 6	LOC16182 3	LOC16182 3	-0.770059	Inlier
siRNA-Vinblastine Run2- DMSO	XM_09115 6	LOC16182 3	LOC16182 3	-0.569822	Inlier
siRNA-Temozolomide Run2- DMSO	XM_09115 6	LOC16182 3	LOC16182 3	-0.526089	Inlier
siRNA Disorazole DMSO Run1	XM_09115 6	LOC16182 3	LOC16182 3	0.526089	Inlier
siRNA-Temozolomide Run1- DMSO	XM_09115 6	LOC16182 3	LOC16182 3	0.578941	Inlier
siRNA Disorazole DMSO Run2	XM_09115 6	LOC16182 3	LOC16182 3	2.765023	Inlier
siRNA-Vinblastine Run1- DMSO	XM_09115 6	LOC16182 3	LOC16182 3	3.934223	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA-Vinblastine Run2- DMSO	NM_1942 94	LOC16935 5	LOC16935 5	-0.875177	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1942 94	LOC16935 5	LOC16935 5	-0.473823	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1942 94	LOC16935 5	LOC16935 5	-0.171304	Inlier
siRNA Disorazole DMSO Run1	NM_1942 94	LOC16935 5	LOC16935 5	-0.07189	Inlier
siRNA Disorazole DMSO Run3	NM_1942 94	LOC16935 5	LOC16935 5	0.071889	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1942 94	LOC16935 5	LOC16935 5	0.964712	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1942 94	LOC16935 5	LOC16935 5	1.787277	Inlier
siRNA Disorazole DMSO Run2	NM_1942 94	LOC16935 5	LOC16935 5	2.134109	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1768 15	LOC20089 5	reductase- like 1 dihydrofola te	-1.198344	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1768 15	LOC20089 5	reductase- like 1 dihydrofola te	-0.772442	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1768 15	LOC20089 5	reductase- like 1 dihydrofola te	-0.576558	Inlier
siRNA Disorazole DMSO Run1	NM_1768 15	LOC20089 5	reductase- like 1 dihydrofola te	-0.010095	Inlier
siRNA Disorazole DMSO Run3	NM_1768 15	LOC20089 5	reductase- like 1 dihydrofola te	0.010095	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1768 15	LOC20089 5	reductase- like 1 dihydrofola te	0.387301	Inlier
siRNA Disorazole DMSO Run2	NM_1768 15	LOC20089 5	reductase- like 1 dihydrofola te	1.84709	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1768 15	LOC20089 5	reductase- like 1 tripartite motif-	2.63253	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1735 47	LOC20129 2	containing 65	-1.271676	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			tripartite motif-containing	
siRNA-Temozolomide Run2-DMSO	NM_1735 47	LOC20129 2	65	-0.749992 Inlier
siRNA Disorazole DMSO Run1	NM_1735 47	LOC20129 2	65	-0.035704 Inlier
siRNA-Vinblastine Run2-DMSO	NM_1735 47	LOC20129 2	65	-0.008782 Inlier
siRNA-Temozolomide Run1-DMSO	NM_1735 47	LOC20129 2	65	0.008782 Inlier
siRNA Disorazole DMSO Run3	NM_1735 47	LOC20129 2	65	0.599008 Inlier
siRNA Disorazole DMSO Run2	NM_1735 47	LOC20129 2	65	2.101599 Inlier
siRNA-Vinblastine Run1-DMSO	NM_1735 47	LOC20129 2	65	2.208734 Inlier
siRNA-Temozolomide Run3-DMSO	XM_11662 3	LOC20278 9	LOC20278 9	-2.456115 Inlier
siRNA Disorazole DMSO Run1	XM_11662 3	LOC20278 9	LOC20278 9	-0.876087 Inlier
siRNA Disorazole DMSO Run3	XM_11662 3	LOC20278 9	LOC20278 9	-0.472913 Inlier
siRNA-Temozolomide Run2-DMSO	XM_11662 3	LOC20278 9	LOC20278 9	-0.22466 Inlier
siRNA-Temozolomide Run1-DMSO	XM_11662 3	LOC20278 9	LOC20278 9	0.22466 Inlier
siRNA-Vinblastine Run2-DMSO	XM_11662 3	LOC20278 9	LOC20278 9	0.357483 Inlier
siRNA-Vinblastine Run1-DMSO	XM_11662 3	LOC20278 9	LOC20278 9	1.375751 Inlier
siRNA Disorazole DMSO Run2	XM_11662 3	LOC20278 9	LOC20278 9	2.662535 Inlier
siRNA-Temozolomide Run3-DMSO	NM_1453 05	LOC20342 7	LOC20342 7	-1.047524 Inlier
siRNA-Vinblastine Run2-DMSO	NM_1453 05	LOC20342 7	LOC20342 7	-0.685426 Inlier
siRNA Disorazole DMSO Run3	NM_1453 05	LOC20342 7	LOC20342 7	-0.587779 Inlier
siRNA-Temozolomide Run1-DMSO	NM_1453 05	LOC20342 7	LOC20342 7	-0.058555 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Temozolomide Run2- DMSO	NM_1453 05	LOC20342 7	LOC20342 7	0.058555	Inlier
siRNA Disorazole DMSO Run1	NM_1453 05	LOC20342 7	LOC20342 7	0.663574	Inlier
siRNA Disorazole DMSO Run2	NM_1453 05	LOC20342 7	LOC20342 7	4.642407	Outlier
siRNA-Vinblastine Run1- DMSO	NM_1453 05	LOC20342 7	LOC20342 7	5.040227	Outlier
			glycerophosphodiesterase domain		
siRNA-Temozolomide Run3- DMSO	NM_1828 33	LOC22003 2	containing 4	-1.203102	Inlier
			glycerophosphodiesterase domain		
siRNA-Temozolomide Run2- DMSO	NM_1828 33	LOC22003 2	containing 4	-0.831462	Inlier
			glycerophosphodiesterase domain		
siRNA-Temozolomide Run1- DMSO	NM_1828 33	LOC22003 2	containing 4	-0.648883	Inlier
			glycerophosphodiesterase domain		
siRNA Disorazole DMSO Run1	NM_1828 33	LOC22003 2	containing 4	-0.126561	Inlier
			glycerophosphodiesterase domain		
siRNA Disorazole DMSO Run2	NM_1828 33	LOC22003 2	containing 4	0.126561	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			glycerophosphodiesterase domain containing		
siRNA-Vinblastine Run1-DMSO	NM_182833	LOC220032	4	0.350486	Inlier
			glycerophosphodiesterase domain containing		
siRNA-Vinblastine Run2-DMSO	NM_182833	LOC220032	4	0.700117	Inlier
			glycerophosphodiesterase domain containing		
siRNA Disorazole DMSO Run3	NM_182833	LOC220032	4	1.345482	Inlier
siRNA Disorazole DMSO Run1	NM_145809	LOC220594	4	-0.976332	Inlier
siRNA Disorazole DMSO Run2	NM_145809	LOC220594	4	-0.758709	Inlier
siRNA-Temozolomide Run2-DMSO	NM_145809	LOC220594	4	-0.221168	Inlier
siRNA-Vinblastine Run1-DMSO	NM_145809	LOC220594	4	-0.000397	Inlier
siRNA-Temozolomide Run3-DMSO	NM_145809	LOC220594	4	0.000396	Inlier
siRNA-Vinblastine Run2-DMSO	NM_145809	LOC220594	4	0.590291	Inlier
siRNA-Temozolomide Run1-DMSO	NM_145809	LOC220594	4	0.848642	Inlier
siRNA Disorazole DMSO Run3	NM_145809	LOC220594	4	3.79277	Outlier
siRNA-Temozolomide Run3-DMSO	NM_199283	LOC220686	6	-0.677853	Inlier
siRNA Disorazole DMSO Run3	NM_199283	LOC220686	6	-0.671147	Inlier
siRNA-Temozolomide Run2-DMSO	NM_199283	LOC220686	6	-0.537576	Inlier
siRNA Disorazole DMSO Run1	NM_199283	LOC220686	6	-0.070046	Inlier
siRNA-Temozolomide Run1-DMSO	NM_199283	LOC220686	6	0.070046	Inlier
siRNA-Vinblastine Run1-DMSO	NM_199283	LOC220686	6	1.701898	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Vinblastine Run2- DMSO	NM_1992 83	LOC22068 6	LOC22068 6	2.019953	Inlier
siRNA Disorazole DMSO Run2	NM_1992 83	LOC22068 6	LOC22068 6	2.562071	Inlier
siRNA-Temozolomide Run3- DMSO	XM_16713 4	LOC22156 7	LOC22156 7	-1.127913	Inlier
siRNA-Temozolomide Run2- DMSO	XM_16713 4	LOC22156 7	LOC22156 7	-0.892395	Inlier
siRNA Disorazole DMSO Run1	XM_16713 4	LOC22156 7	LOC22156 7	-0.444576	Inlier
siRNA-Temozolomide Run1- DMSO	XM_16713 4	LOC22156 7	LOC22156 7	-0.029827	Inlier
siRNA-Vinblastine Run2- DMSO	XM_16713 4	LOC22156 7	LOC22156 7	0.029827	Inlier
siRNA Disorazole DMSO Run3	XM_16713 4	LOC22156 7	LOC22156 7	0.456605	Inlier
siRNA Disorazole DMSO Run2	XM_16713 4	LOC22156 7	LOC22156 7	1.280003	Inlier
siRNA-Vinblastine Run1- DMSO	XM_16713 4	LOC22156 7	LOC22156 7	2.065236	Inlier
siRNA-Temozolomide Run3- DMSO	XM_16714 0	LOC22157 1	LOC22157 1	-1.014934	Inlier
siRNA-Vinblastine Run2- DMSO	XM_16714 0	LOC22157 1	LOC22157 1	-0.82483	Inlier
siRNA-Temozolomide Run2- DMSO	XM_16714 0	LOC22157 1	LOC22157 1	-0.805916	Inlier
siRNA-Temozolomide Run1- DMSO	XM_16714 0	LOC22157 1	LOC22157 1	-0.028337	Inlier
siRNA Disorazole DMSO Run3	XM_16714 0	LOC22157 1	LOC22157 1	0.028337	Inlier
siRNA Disorazole DMSO Run1	XM_16714 0	LOC22157 1	LOC22157 1	0.390787	Inlier
siRNA Disorazole DMSO Run2	XM_16714 0	LOC22157 1	LOC22157 1	0.543084	Inlier
siRNA-Vinblastine Run1- DMSO	XM_16714 0	LOC22157 1	LOC22157 1	1.352345	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1817 20	LOC25710 6	Rho GTPase activating protein 30	-4.531858	Outlier
siRNA Disorazole DMSO Run3	NM_1817 20	LOC25710 6	Rho GTPase activating protein 30	-0.290348	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1817 20	LOC25710 6	Rho GTPase activating protein 30	-0.237617	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1817 20	LOC25710 6	Rho GTPase activating protein 30	-0.154568	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			Rho GTPase	
siRNA-Vinblastine Run2- DMSO	NM_1817 20	LOC25710 6	activating protein 30	0.154568 Inlier
siRNA Disorazole DMSO Run1	NM_1817 20	LOC25710 6	activating protein 30	1.058652 Inlier
siRNA-Vinblastine Run1- DMSO	NM_1817 20	LOC25710 6	activating protein 30	3.601076 Outlier
siRNA Disorazole DMSO Run2	NM_1817 20	LOC25710 6	activating protein 30	5.343372 Outlier
siRNA Disorazole DMSO Run2	NM_1992 84	LOC28384 6	LOC28384 6	-4.153573 Outlier
siRNA-Temozolomide Run3- DMSO	NM_1992 84	LOC28384 6	LOC28384 6	-2.628573 Inlier
siRNA-Temozolomide Run1- DMSO	NM_1992 84	LOC28384 6	LOC28384 6	-0.764794 Inlier
siRNA-Temozolomide Run2- DMSO	NM_1992 84	LOC28384 6	LOC28384 6	-0.232628 Inlier
siRNA Disorazole DMSO Run3	NM_1992 84	LOC28384 6	LOC28384 6	0.232626 Inlier
siRNA Disorazole DMSO Run1	NM_1992 84	LOC28384 6	LOC28384 6	0.504857 Inlier
siRNA-Vinblastine Run1- DMSO	NM_1992 84	LOC28384 6	LOC28384 6	0.584206 Inlier
siRNA-Vinblastine Run2- DMSO	NM_1992 84	LOC28384 6	LOC28384 6	3.728215 Outlier
siRNA Disorazole DMSO Run1	NM_1781 28	LOC28398 5	fatty acid desaturase domain family, member 6	-2.124659 Inlier
siRNA Disorazole DMSO Run3	NM_1781 28	LOC28398 5	fatty acid desaturase domain family, member 6	-1.11459 Inlier
siRNA-Temozolomide Run3- DMSO	NM_1781 28	LOC28398 5	fatty acid desaturase domain family, member 6	-0.23441 Inlier
siRNA-Temozolomide Run1- DMSO	NM_1781 28	LOC28398 5	fatty acid desaturase domain family, member 6	-0.10305 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	LOC ID	Protein Description	Score	Category
siRNA-Vinblastine Run2-DMSO	NM_178128	LOC283985	fatty acid desaturase domain family, member 6	0.10305	Inlier
siRNA-Temozolomide Run2-DMSO	NM_178128	LOC283985	fatty acid desaturase domain family, member 6	0.165693	Inlier
siRNA Disorazole DMSO Run2	NM_178128	LOC283985	fatty acid desaturase domain family, member 6	3.01948	Inlier
siRNA-Vinblastine Run1-DMSO	NM_178128	LOC283985	cytochrome P450, family 4, subfamily A,	3.942097	Outlier
siRNA-Temozolomide Run3-DMSO	XM_208213	LOC284541	polypeptide 22 cytochrome P450, family 4, subfamily A,	-1.592036	Inlier
siRNA-Temozolomide Run2-DMSO	XM_208213	LOC284541	polypeptide 22 cytochrome P450, family 4, subfamily A,	-0.756411	Inlier
siRNA Disorazole DMSO Run3	XM_208213	LOC284541	polypeptide 22 cytochrome P450, family 4, subfamily A,	-0.307212	Inlier
siRNA Disorazole DMSO Run1	XM_208213	LOC284541	polypeptide 22	-0.054592	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	XM	LOC	Gene Name	Value	Category
siRNA-Vinblastine Run2-DMSO	XM_20821	LOC28454	cytochrome P450, family 4, subfamily A, polypeptide 22	0.054592	Inlier
siRNA-Temozolomide Run1-DMSO	XM_20821	LOC28454	cytochrome P450, family 4, subfamily A, polypeptide 22	0.592589	Inlier
siRNA-Vinblastine Run1-DMSO	XM_20821	LOC28454	cytochrome P450, family 4, subfamily A, polypeptide 22	1.510326	Inlier
siRNA Disorazole DMSO Run2	XM_20821	LOC28454	polypeptide 22	1.672894	Inlier
siRNA-Temozolomide Run3-DMSO	XM_20969	LOC28564	LOC28564	-2.177818	Inlier
siRNA Disorazole DMSO Run1	XM_20969	LOC28564	LOC28564	-0.39226	Inlier
siRNA Disorazole DMSO Run3	XM_20969	LOC28564	LOC28564	-0.24719	Inlier
siRNA-Vinblastine Run2-DMSO	XM_20969	LOC28564	LOC28564	-0.18795	Inlier
siRNA Disorazole DMSO Run2	XM_20969	LOC28564	LOC28564	0.18795	Inlier
siRNA-Temozolomide Run2-DMSO	XM_20969	LOC28564	LOC28564	0.95674	Inlier
siRNA-Temozolomide Run1-DMSO	XM_20969	LOC28564	LOC28564	1.017485	Inlier
siRNA-Vinblastine Run1-DMSO	XM_20969	LOC28564	LOC28564	3.925282	Outlier
siRNA-Temozolomide Run3-DMSO	XM_29257	LOC33913	LOC33913	-1.09013	Inlier
siRNA-Temozolomide Run2-DMSO	XM_29257	LOC33913	LOC33913	-0.952628	Inlier
siRNA-Vinblastine Run2-DMSO	XM_29257	LOC33913	LOC33913	-0.374242	Inlier
siRNA Disorazole DMSO Run3	XM_29257	LOC33913	LOC33913	-0.173459	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA	Condition	Run	XM_29257	LOC33913	LOC33913	Value	Inlier
siRNA-Temozolomide	DMSO	Run1-	3	3	3	0.173459	Inlier
siRNA Disorazole	DMSO	Run1	3	3	3	0.396372	Inlier
siRNA-Vinblastine	DMSO	Run1-	3	3	3	0.986666	Inlier
siRNA Disorazole	DMSO	Run2	3	3	3	1.001419	Inlier
					transmembrane		
siRNA Disorazole	DMSO	Run2	NM_1826 06	LOC33996 7	protease, serine 11A	-1.034009	Inlier
					transmembrane		
siRNA Disorazole	DMSO	Run1	NM_1826 06	LOC33996 7	protease, serine 11A	-0.768237	Inlier
					transmembrane		
siRNA-Temozolomide	DMSO	Run2-	NM_1826 06	LOC33996 7	protease, serine 11A	-0.374815	Inlier
					transmembrane		
siRNA-Temozolomide	DMSO	Run3-	NM_1826 06	LOC33996 7	protease, serine 11A	-0.125629	Inlier
					transmembrane		
siRNA-Temozolomide	DMSO	Run1-	NM_1826 06	LOC33996 7	protease, serine 11A	0.125629	Inlier
					transmembrane		
siRNA-Vinblastine	DMSO	Run1-	NM_1826 06	LOC33996 7	protease, serine 11A	0.580763	Inlier
					transmembrane		
siRNA-Vinblastine	DMSO	Run2-	NM_1826 06	LOC33996 7	protease, serine 11A	1.082323	Inlier
					transmembrane		
siRNA Disorazole	DMSO	Run3	NM_1826 06	LOC33996 7	protease, serine 11A	1.146609	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	XM	LOC	Gene Name	Value	Outlier Type
siRNA-Temozolomide Run3-DMSO	XM_29111 7	LOC34002 6	succinate dehydrogenase complex, subunit A, flavoprotein-like	-0.940965	Inlier
siRNA-Temozolomide Run2-DMSO	XM_29111 7	LOC34002 6	succinate dehydrogenase complex, subunit A, flavoprotein-like	-0.718441	Inlier
siRNA Disorazole DMSO Run3	XM_29111 7	LOC34002 6	succinate dehydrogenase complex, subunit A, flavoprotein-like	-0.249089	Inlier
siRNA-Temozolomide Run1-DMSO	XM_29111 7	LOC34002 6	succinate dehydrogenase complex, subunit A, flavoprotein-like	-0.130218	Inlier
siRNA Disorazole DMSO Run1	XM_29111 7	LOC34002 6	succinate dehydrogenase complex, subunit A, flavoprotein-like	0.130218	Inlier
siRNA-Vinblastine Run2-DMSO	XM_29111 7	LOC34002 6	succinate dehydrogenase complex, subunit A, flavoprotein-like	0.630559	Inlier
siRNA-Vinblastine Run1-DMSO	XM_29111 7	LOC34002 6	succinate dehydrogenase complex, subunit A, flavoprotein-like	0.814699	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

				succinate dehydrogenase complex, subunit A, flavoprotein-like	
siRNA Disorazole DMSO Run2	XM_29111	LOC34002	6		1.266906 Inlier
siRNA-Temozolomide Run3-DMSO	XM_29038	LOC34024	9	LOC34024	-2.142631 Inlier
siRNA-Temozolomide Run2-DMSO	XM_29038	LOC34024	9	LOC34024	-1.299769 Inlier
siRNA Disorazole DMSO Run2	XM_29038	LOC34024	9	LOC34024	-0.389772 Inlier
siRNA-Temozolomide Run1-DMSO	XM_29038	LOC34024	9	LOC34024	-0.037773 Inlier
siRNA Disorazole DMSO Run3	XM_29038	LOC34024	9	LOC34024	0.037772 Inlier
siRNA Disorazole DMSO Run1	XM_29038	LOC34024	9	LOC34024	0.196091 Inlier
siRNA-Vinblastine Run1-DMSO	XM_29038	LOC34024	9	LOC34024	0.959228 Inlier
siRNA-Vinblastine Run2-DMSO	XM_29038	LOC34024	9	LOC34024	1.51176 Inlier
				nuclear receptor binding protein 2	
siRNA-Temozolomide Run3-DMSO	NM_1785	LOC34037	64	1	-0.722588 Inlier
siRNA Disorazole DMSO Run3	NM_1785	LOC34037	64	1	-0.626411 Inlier
siRNA-Temozolomide Run2-DMSO	NM_1785	LOC34037	64	1	-0.344791 Inlier
siRNA Disorazole DMSO Run1	NM_1785	LOC34037	64	1	-0.311251 Inlier
siRNA-Temozolomide Run1-DMSO	NM_1785	LOC34037	64	1	0.311251 Inlier
siRNA-Vinblastine Run2-DMSO	NM_1785	LOC34037	64	1	1.03683 Inlier
siRNA Disorazole DMSO Run2	NM_1785	LOC34037	64	1	1.539413 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	LOC ID	Gene Name	Score	Category
siRNA-Vinblastine Run1-DMSO	NM_178564	LOC340371	nuclear receptor binding protein 2	1.84481	Inlier
siRNA-Temozolomide Run3-DMSO	XM_291663	LOC340654	lipase-like, ab-hydrolase domain containing 3	-3.038895	Inlier
siRNA-Temozolomide Run2-DMSO	XM_291663	LOC340654	lipase-like, ab-hydrolase domain containing 3	-1.514028	Inlier
siRNA Disorazole DMSO Run1	XM_291663	LOC340654	lipase-like, ab-hydrolase domain containing 3	-0.593347	Inlier
siRNA-Temozolomide Run1-DMSO	XM_291663	LOC340654	lipase-like, ab-hydrolase domain containing 3	-0.393887	Inlier
siRNA-Vinblastine Run2-DMSO	XM_291663	LOC340654	lipase-like, ab-hydrolase domain containing 3	0.393888	Inlier
siRNA Disorazole DMSO Run3	XM_291663	LOC340654	lipase-like, ab-hydrolase domain containing 3	0.531672	Inlier
siRNA Disorazole DMSO Run2	XM_291663	LOC340654	lipase-like, ab-hydrolase domain containing 3	0.755653	Inlier
siRNA-Vinblastine Run1-DMSO	XM_291663	LOC340654	lipase-like, ab-hydrolase domain containing 3	1.151581	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Temozolomide Run3- DMSO	XM_29266	LOC34265	LOC34265	
	4	9	9	-0.926338 Inlier
siRNA Disorazole DMSO Run1	4	9	9	-0.484251 Inlier
siRNA Disorazole DMSO Run3	4	9	9	-0.479537 Inlier
siRNA-Vinblastine Run2- DMSO	4	9	9	-0.453812 Inlier
siRNA-Temozolomide Run2- DMSO	4	9	9	0.453812 Inlier
siRNA-Temozolomide Run1- DMSO	4	9	9	0.864749 Inlier
siRNA-Vinblastine Run1- DMSO	4	9	9	1.779974 Inlier
siRNA Disorazole DMSO Run2	4	9	9	2.846476 Inlier
siRNA-Temozolomide Run3- DMSO	0	5	5	-1.06148 Inlier
siRNA-Temozolomide Run2- DMSO	0	5	5	-0.889773 Inlier
siRNA Disorazole DMSO Run2	0	5	5	-0.459227 Inlier
siRNA Disorazole DMSO Run3	0	5	5	-0.154214 Inlier
siRNA Disorazole DMSO Run1	0	5	5	0.154214 Inlier
siRNA-Temozolomide Run1- DMSO	0	5	5	0.322706 Inlier
siRNA-Vinblastine Run1- DMSO	0	5	5	1.00291 Inlier
siRNA-Vinblastine Run2- DMSO	0	5	5	1.615432 Inlier
siRNA Disorazole DMSO Run2	0	5	5	-1.034226 Inlier
siRNA-Temozolomide Run3- DMSO	0	5	5	-0.846301 Inlier
siRNA-Temozolomide Run2- DMSO	0	5	5	-0.582552 Inlier
siRNA Disorazole DMSO Run3	0	5	5	-0.110148 Inlier
siRNA-Temozolomide Run1- DMSO	0	5	5	0.110148 Inlier
siRNA Disorazole DMSO Run1	0	5	5	0.148926 Inlier
siRNA-Vinblastine Run2- DMSO	0	5	5	0.766448 Inlier
siRNA-Vinblastine Run1- DMSO	0	5	5	1.107792 Inlier
siRNA-Temozolomide Run3- DMSO	7	9	9	-2.707062 Inlier
siRNA-Temozolomide Run2- DMSO	7	9	9	-1.000809 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Vinblastine Run2- DMSO	XM_37077	LOC37456	LOC37456		
	7	9	9	-0.348191	Inlier
	XM_37077	LOC37456	LOC37456		
siRNA Disorazole DMSO Run3	7	9	9	-0.029208	Inlier
siRNA-Temozolomide Run1- DMSO	XM_37077	LOC37456	LOC37456		
	7	9	9	0.029207	Inlier
	XM_37077	LOC37456	LOC37456		
siRNA Disorazole DMSO Run1	7	9	9	0.325706	Inlier
	XM_37077	LOC37456	LOC37456		
siRNA Disorazole DMSO Run2	7	9	9	1.095107	Inlier
siRNA-Vinblastine Run1- DMSO	XM_37077	LOC37456	LOC37456		
	7	9	9	1.168326	Inlier
			kinesin		
siRNA-Temozolomide Run3- DMSO	NM_1985	LOC37465	family member 7	-1.2779	Inlier
	25	4	kinesin		
	NM_1985	LOC37465	family member 7	-0.932463	Inlier
siRNA Disorazole DMSO Run3	25	4	kinesin		
	NM_1985	LOC37465	family member 7	-0.416537	Inlier
siRNA-Temozolomide Run2- DMSO	25	4	kinesin		
	NM_1985	LOC37465	family member 7	-0.116702	Inlier
siRNA Disorazole DMSO Run2	25	4	kinesin		
	NM_1985	LOC37465	family member 7	0.116702	Inlier
siRNA-Vinblastine Run2- DMSO	25	4	kinesin		
	NM_1985	LOC37465	family member 7	0.209345	Inlier
siRNA Disorazole DMSO Run1	25	4	kinesin		
	NM_1985	LOC37465	family member 7	2.611589	Inlier
siRNA-Temozolomide Run1- DMSO	25	4	kinesin		
	NM_1985	LOC37465	family member 7	3.5464	Outlier
	NM_1993	LOC37513	LOC37513		
siRNA Disorazole DMSO Run1	45	3	3	-0.986041	Inlier
	NM_1993	LOC37513	LOC37513		
siRNA Disorazole DMSO Run2	45	3	3	-0.886268	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1993	LOC37513	LOC37513		
	45	3	3	-0.794966	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1993	LOC37513	LOC37513		
	45	3	3	-0.203392	Inlier
	NM_1993	LOC37513	LOC37513		
siRNA Disorazole DMSO Run3	45	3	3	0.203392	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1993	LOC37513	LOC37513		
	45	3	3	0.45269	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1993	LOC37513	LOC37513		
	45	3	3	0.554034	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1993	LOC37513	LOC37513		
	45	3	3	1.679481	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Temozolomide Run2- DMSO	NM_1993 47	LOC37532 8	LOC37532 8	-0.734302	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1993 47	LOC37532 8	LOC37532 8	-0.614698	Inlier
siRNA Disorazole DMSO Run3	NM_1993 47	LOC37532 8	LOC37532 8	-0.521154	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1993 47	LOC37532 8	LOC37532 8	-0.181463	Inlier
siRNA Disorazole DMSO Run1	NM_1993 47	LOC37532 8	LOC37532 8	0.181463	Inlier
siRNA Disorazole DMSO Run2	NM_1993 47	LOC37532 8	LOC37532 8	0.849651	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1993 47	LOC37532 8	LOC37532 8	1.161333	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1993 47	LOC37532 8	LOC37532 8	2.040506	Inlier
siRNA Disorazole DMSO Run1	XM_35157 4	LOC37538 6	LOC37538 6	-1.787573	Inlier
siRNA-Temozolomide Run2- DMSO	XM_35157 4	LOC37538 6	LOC37538 6	-0.726613	Inlier
siRNA-Vinblastine Run2- DMSO	XM_35157 4	LOC37538 6	LOC37538 6	-0.622387	Inlier
siRNA-Temozolomide Run3- DMSO	XM_35157 4	LOC37538 6	LOC37538 6	-0.044244	Inlier
siRNA-Temozolomide Run1- DMSO	XM_35157 4	LOC37538 6	LOC37538 6	0.044245	Inlier
siRNA-Vinblastine Run1- DMSO	XM_35157 4	LOC37538 6	LOC37538 6	0.17278	Inlier
siRNA Disorazole DMSO Run3	XM_35157 4	LOC37538 6	LOC37538 6	1.204643	Inlier
siRNA Disorazole DMSO Run2	XM_35157 4	LOC37538 6	LOC37538 6	1.363261	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1988 28	LOC37544 9	LOC37544 9	-1.68996	Inlier
siRNA Disorazole DMSO Run2	NM_1988 28	LOC37544 9	LOC37544 9	-1.135994	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1988 28	LOC37544 9	LOC37544 9	-0.393876	Inlier
siRNA Disorazole DMSO Run3	NM_1988 28	LOC37544 9	LOC37544 9	-0.176281	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1988 28	LOC37544 9	LOC37544 9	0.176281	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1988 28	LOC37544 9	LOC37544 9	0.65395	Inlier
siRNA Disorazole DMSO Run1	NM_1988 28	LOC37544 9	LOC37544 9	0.69505	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1988 28	LOC37544 9	LOC37544 9	1.080403	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0158 54	LOC51036 LOC51036	LOC51036 LOC51036	-1.132372	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0158 54	LOC51036 LOC51036	LOC51036 LOC51036	-0.839564	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA-Temozolomide Run3- DMSO	NM_0158 54	LOC51036	LOC51036	-0.509436	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0158 54	LOC51036	LOC51036	-0.124769	Inlier
siRNA Disorazole DMSO Run1	NM_0158 54	LOC51036	LOC51036	0.124769	Inlier
siRNA Disorazole DMSO Run3	NM_0158 54	LOC51036	LOC51036	0.364412	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0158 54	LOC51036	LOC51036	2.096836	Inlier
siRNA Disorazole DMSO Run2	NM_0158 54	LOC51036	LOC51036	2.260064	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0159 83	LOC51619	ubiquitin- conjugatin g enzyme E2D 4 (putative)	-0.690213	Inlier
siRNA Disorazole DMSO Run3	NM_0159 83	LOC51619	ubiquitin- conjugatin g enzyme E2D 4 (putative)	-0.679329	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0159 83	LOC51619	ubiquitin- conjugatin g enzyme E2D 4 (putative)	-0.669671	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0159 83	LOC51619	ubiquitin- conjugatin g enzyme E2D 4 (putative)	-0.110005	Inlier
siRNA Disorazole DMSO Run1	NM_0159 83	LOC51619	ubiquitin- conjugatin g enzyme E2D 4 (putative)	0.110005	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0159 83	LOC51619	ubiquitin- conjugatin g enzyme E2D 4 (putative)	0.279165	Inlier
siRNA Disorazole DMSO Run2	NM_0159 83	LOC51619	ubiquitin- conjugatin g enzyme E2D 4 (putative)	0.848296	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0159 83	LOC51619	ubiquitin- conjugatin g enzyme E2D 4 (putative)	1.232991	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA-Temozolomide Run3- DMSO	NM_1813 34	LOC55315 8	-	-2.073397	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1813 34	LOC55315 8	-	-1.122569	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1813 34	LOC55315 8	-	-0.588235	Inlier
siRNA Disorazole DMSO Run3	NM_1813 34	LOC55315 8	-	-0.005256	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1813 34	LOC55315 8	-	0.005255	Inlier
siRNA Disorazole DMSO Run2	NM_1813 34	LOC55315 8	-	0.633012	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1813 34	LOC55315 8	-	0.715988	Inlier
siRNA Disorazole DMSO Run1	NM_1813 34	LOC55315 8	-	1.089344	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0201 42	LOC56901	LOC56901	-1.794198	Inlier
siRNA Disorazole DMSO Run3	NM_0201 42	LOC56901	LOC56901	-0.64801	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0201 42	LOC56901	LOC56901	-0.536514	Inlier
siRNA Disorazole DMSO Run1	NM_0201 42	LOC56901	LOC56901	-0.53557	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0201 42	LOC56901	LOC56901	0.535569	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0201 42	LOC56901	LOC56901	0.70099	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0201 42	LOC56901	LOC56901	1.243516	Inlier
siRNA Disorazole DMSO Run2	NM_0201 42	LOC56901	LOC56901	2.648598	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0204 37	LOC57168	LOC57168	-0.917809	Inlier
siRNA Disorazole DMSO Run3	NM_0204 37	LOC57168	LOC57168	-0.431191	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0204 37	LOC57168	LOC57168	-0.366208	Inlier
siRNA Disorazole DMSO Run1	NM_0204 37	LOC57168	LOC57168	-0.036301	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0204 37	LOC57168	LOC57168	0.036301	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0204 37	LOC57168	LOC57168	1.163151	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0204 37	LOC57168	LOC57168	3.605097	Outlier
siRNA Disorazole DMSO Run2	NM_0204 37	LOC57168	LOC57168	3.92819	Outlier
siRNA-Vinblastine Run2- DMSO	NM_0220 98	LOC63929	LOC63929	-0.994998	Inlier
siRNA Disorazole DMSO Run3	NM_0220 98	LOC63929	LOC63929	-0.963984	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA Treatment	Gene ID	Accession	Score	Category
siRNA-Temozolomide Run2-DMSO	NM_022098	LOC63929	-0.385016	Inlier
siRNA-Temozolomide Run1-DMSO	NM_022098	LOC63929	-0.009376	Inlier
siRNA Disorazole DMSO Run1	NM_022098	LOC63929	0.009376	Inlier
siRNA-Temozolomide Run3-DMSO	NM_022098	LOC63929	0.140471	Inlier
siRNA Disorazole DMSO Run2	NM_022098	LOC63929	2.207091	Inlier
siRNA-Vinblastine Run1-DMSO	NM_022098	LOC63929	3.771221	Outlier
siRNA-Temozolomide Run2-DMSO	NM_031302	LOC83468	-0.962328	Inlier
siRNA-Temozolomide Run3-DMSO	NM_031302	LOC83468	-0.823224	Inlier
siRNA-Temozolomide Run1-DMSO	NM_031302	LOC83468	-0.523956	Inlier
siRNA Disorazole DMSO Run1	NM_031302	LOC83468	-0.110951	Inlier
siRNA Disorazole DMSO Run3	NM_031302	LOC83468	0.110951	Inlier
siRNA-Vinblastine Run2-DMSO	NM_031302	LOC83468	0.525776	Inlier
siRNA-Vinblastine Run1-DMSO	NM_031302	LOC83468	0.875787	Inlier
siRNA Disorazole DMSO Run2	NM_031302	LOC83468	1.002304	Inlier

glycosyltransferase 8 domain containing

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0314 63	LOC83693	hydroxysteroid dehydrogenase like 1	-1.200143	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0314 63	LOC83693	hydroxysteroid dehydrogenase like 1	-0.846582	Inlier
siRNA Disorazole DMSO Run3	NM_0314 63	LOC83693	hydroxysteroid dehydrogenase like 1	-0.502418	Inlier
siRNA Disorazole DMSO Run2	NM_0314 63	LOC83693	hydroxysteroid dehydrogenase like 1	-0.3731	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0314 63	LOC83693	hydroxysteroid dehydrogenase like 1	0.3731	Inlier
siRNA Disorazole DMSO Run1	NM_0314 63	LOC83693	hydroxysteroid dehydrogenase like 1	0.386303	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0314 63	LOC83693	hydroxysteroid dehydrogenase like 1	1.29636	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0314 63	LOC83693	hydroxysteroid dehydrogenase like 1	1.382635	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0325 59	LOC84643	kinesin family member 2B	-1.077931	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0325 59	LOC84643	kinesin family member 2B	-0.539418	Inlier
siRNA Disorazole DMSO Run3	NM_0325 59	LOC84643	kinesin family member 2B	-0.516403	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0325 59	LOC84643	kinesin family member 2B	-0.484932	Inlier
siRNA Disorazole DMSO Run1	NM_0325 59	LOC84643	kinesin family member 2B	0.484932	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0325 59	LOC84643	kinesin family member 2B	0.809582	Inlier
siRNA Disorazole DMSO Run2	NM_0325 59	LOC84643	kinesin family member 2B	1.988881	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0325 59	LOC84643	kinesin family member 2B	3.940901	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0332 80	LOC90701	SEC11-like 3 (S. cerevisiae)	-1.262576	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0332 80	LOC90701	SEC11-like 3 (S. cerevisiae)	-1.102435	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0332 80	LOC90701	SEC11-like 3 (S. cerevisiae)	-0.127996	Inlier
siRNA Disorazole DMSO Run2	NM_0332 80	LOC90701	SEC11-like 3 (S. cerevisiae)	-0.058444	Inlier
siRNA Disorazole DMSO Run3	NM_0332 80	LOC90701	SEC11-like 3 (S. cerevisiae)	0.058444	Inlier
siRNA Disorazole DMSO Run1	NM_0332 80	LOC90701	SEC11-like 3 (S. cerevisiae)	0.277729	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0332 80	LOC90701	SEC11-like 3 (S. cerevisiae)	1.071271	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0332 80	LOC90701	SEC11-like 3 (S. cerevisiae)	1.125355	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_1383				
siRNA Disorazole DMSO Run1	64	LOC90826	LOC90826	-1.323576	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1383 64	LOC90826	LOC90826	-1.305835	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1383 64	LOC90826	LOC90826	-0.134613	Inlier
siRNA Disorazole DMSO Run3	NM_1383 64	LOC90826	LOC90826	-0.022558	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1383 64	LOC90826	LOC90826	0.022558	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1383 64	LOC90826	LOC90826	0.153067	Inlier
siRNA Disorazole DMSO Run2	NM_1383 64	LOC90826	LOC90826	1.195933	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1383 64	LOC90826	LOC90826	1.687193	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1824 93	LOC91807	LOC91807	-3.027225	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1824 93	LOC91807	LOC91807	-0.870302	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1824 93	LOC91807	LOC91807	-0.42891	Inlier
siRNA Disorazole DMSO Run3	NM_1824 93	LOC91807	LOC91807	-0.336577	Inlier
siRNA Disorazole DMSO Run2	NM_1824 93	LOC91807	LOC91807	0.336578	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1824 93	LOC91807	LOC91807	0.478698	Inlier
siRNA Disorazole DMSO Run1	NM_1824 93	LOC91807	LOC91807	1.514663	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1824 93	LOC91807	LOC91807	1.837935	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1734 69	LOC92912	LOC92912	-1.976848	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1734 69	LOC92912	LOC92912	-0.657261	Inlier
siRNA Disorazole DMSO Run1	NM_1734 69	LOC92912	LOC92912	-0.577173	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1734 69	LOC92912	LOC92912	-0.224203	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1734 69	LOC92912	LOC92912	0.224203	Inlier
siRNA Disorazole DMSO Run3	NM_1734 69	LOC92912	LOC92912	0.691739	Inlier
siRNA Disorazole DMSO Run2	NM_1734 69	LOC92912	LOC92912	3.993931	Outlier
siRNA-Vinblastine Run1- DMSO	NM_1734 69	LOC92912	LOC92912	5.389536	Outlier
siRNA-Temozolomide Run3- DMSO	NM_0314 90	LONP	LONP	-1.823248	Inlier
siRNA Disorazole DMSO Run2	NM_0314 90	LONP	LONP	-0.366349	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Temozolomide Run2- DMSO	NM_0314 90	LONP	LONP	-0.365796	Inlier
	NM_0314				
siRNA Disorazole DMSO Run1	90	LONP	LONP	-0.099278	Inlier
	NM_0314				
siRNA Disorazole DMSO Run3	90	LONP	LONP	0.099278	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0314 90	LONP	LONP	0.982651	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0314 90	LONP	LONP	1.89583	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0314 90	LONP	LONP	2.366214	Inlier
	NM_0023		lysyl		
siRNA Disorazole DMSO Run1	17	LOX	oxidase	-1.425891	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0023 17	LOX	lysyl oxidase	-1.301323	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0023 17	LOX	lysyl oxidase	-0.967254	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0023 17	LOX	lysyl oxidase	-0.129364	Inlier
	NM_0023		lysyl		
siRNA Disorazole DMSO Run3	17	LOX	oxidase	0.129364	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0023 17	LOX	lysyl oxidase	0.372066	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0023 17	LOX	lysyl oxidase	0.381746	Inlier
	NM_0023		lysyl		
siRNA Disorazole DMSO Run2	17	LOX	oxidase	3.022554	Inlier
			lysyl		
siRNA-Temozolomide Run3- DMSO	NM_0055 76	LOXL1	oxidase- like 1	-2.175305	Inlier
			lysyl		
siRNA-Temozolomide Run2- DMSO	NM_0055 76	LOXL1	oxidase- like 1	-1.906786	Inlier
			lysyl		
siRNA Disorazole DMSO Run3	NM_0055 76	LOXL1	oxidase- like 1	-0.180861	Inlier
			lysyl		
siRNA Disorazole DMSO Run1	NM_0055 76	LOXL1	oxidase- like 1	-0.100652	Inlier
			lysyl		
siRNA-Temozolomide Run1- DMSO	NM_0055 76	LOXL1	oxidase- like 1	0.100652	Inlier
			lysyl		
siRNA-Vinblastine Run2- DMSO	NM_0055 76	LOXL1	oxidase- like 1	0.271204	Inlier
			lysyl		
siRNA-Vinblastine Run1- DMSO	NM_0055 76	LOXL1	oxidase- like 1	1.077796	Inlier
			lysyl		
siRNA Disorazole DMSO Run2	NM_0055 76	LOXL1	oxidase- like 1	2.371189	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology				lysyl oxidase-like 2	
siRNA-Temozolomide Run3-DMSO	NM_0023 18	LOXL2		-0.859162	Inlier
siRNA Disorazole DMSO Run1	NM_0023 18	LOXL2		-0.853222	Inlier
siRNA Disorazole DMSO Run3	NM_0023 18	LOXL2		-0.186315	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0023 18	LOXL2		-0.131111	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0023 18	LOXL2		0.131111	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0023 18	LOXL2		0.495778	Inlier
siRNA Disorazole DMSO Run2	NM_0023 18	LOXL2		0.996617	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0023 18	LOXL2		1.310368	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0326 03	LOXL3		-1.945326	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0326 03	LOXL3		-1.609145	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0326 03	LOXL3		-0.317621	Inlier
siRNA Disorazole DMSO Run1	NM_0326 03	LOXL3		-0.213417	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0326 03	LOXL3		0.213418	Inlier
siRNA Disorazole DMSO Run3	NM_0326 03	LOXL3		0.240313	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0326 03	LOXL3		1.031379	Inlier
siRNA Disorazole DMSO Run2	NM_0326 03	LOXL3		1.536662	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0322 11	LOXL4		-1.743988	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0322 11	LOXL4	lysyl oxidase- like 4	-1.15292	Inlier
siRNA Disorazole DMSO Run3	NM_0322 11	LOXL4	lysyl oxidase- like 4	-0.596991	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0322 11	LOXL4	lysyl oxidase- like 4	-0.367214	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0322 11	LOXL4	lysyl oxidase- like 4	0.367214	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0322 11	LOXL4	lysyl oxidase- like 4	0.669342	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0322 11	LOXL4	lysyl oxidase- like 4	0.679658	Inlier
siRNA Disorazole DMSO Run1	NM_0322 11	LOXL4	lysyl oxidase- like 4	0.941561	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0055 77	LPA	lipoprotein, Lp(a)	-3.026075	Inlier
siRNA Disorazole DMSO Run2	NM_0055 77	LPA	lipoprotein, Lp(a)	-1.191947	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0055 77	LPA	lipoprotein, Lp(a)	-0.071227	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0055 77	LPA	lipoprotein, Lp(a)	-0.046718	Inlier
siRNA Disorazole DMSO Run3	NM_0055 77	LPA	lipoprotein, Lp(a)	0.046718	Inlier
siRNA Disorazole DMSO Run1	NM_0055 77	LPA	lipoprotein, Lp(a)	0.157053	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0055 77	LPA	lipoprotein, Lp(a)	3.028432	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0055 77	LPA	lipoprotein, Lp(a)	3.565828	Outlier
siRNA-Temozolomide Run2- DMSO	NM_0183 61	LPAAT-e	1- acylglycer ol-3- phosphate O- acyltransfe rase 5 (lysospho phatidic acid acyltransfe rase, epsilon)	-1.069126	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0183 61	LPAAT-e	1-acylglycerol-3-phosphate O-acyltransferase 5 (lysophosphatidic acid acyltransferase, epsilon)	-0.854488	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0183 61	LPAAT-e	1-acylglycerol-3-phosphate O-acyltransferase 5 (lysophosphatidic acid acyltransferase, epsilon)	-0.390034	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0183 61	LPAAT-e	1-acylglycerol-3-phosphate O-acyltransferase 5 (lysophosphatidic acid acyltransferase, epsilon)	-0.216881	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0183 61	LPAAT-e	1-acylglycerol-3-phosphate O-acyltransferase 5 (lysophosphatidic acid acyltransferase, epsilon)	0.216881	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

			1-acylglycerol-3-phosphate O-acyltransferase 5 (lysophosphatidic acid acyltransferase, epsilon)	0.494512	Inlier
siRNA Disorazole DMSO Run1	NM_0183 61	LPAAT-e			
			1-acylglycerol-3-phosphate O-acyltransferase 5 (lysophosphatidic acid acyltransferase, epsilon)	2.471575	Inlier
siRNA Disorazole DMSO Run2	NM_0183 61	LPAAT-e			
			1-acylglycerol-3-phosphate O-acyltransferase 5 (lysophosphatidic acid acyltransferase, epsilon)	2.629908	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0183 61	LPAAT-e			
			lipoprotein, Lp(a)-like 2	-0.936092	Inlier
siRNA Disorazole DMSO Run1	NM_1457 27	LPAL2			
			lipoprotein, Lp(a)-like 2	-0.814113	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1457 27	LPAL2			
			lipoprotein, Lp(a)-like 2	-0.568037	Inlier
siRNA Disorazole DMSO Run2	NM_1457 27	LPAL2			
			lipoprotein, Lp(a)-like 2	-0.157714	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1457 27	LPAL2			

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology				lipoprotein, Lp(a)-like	
siRNA-Temozolomide Run2- DMSO	NM_1457 27	LPAL2	2	0.157714	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1457 27	LPAL2	2	0.506966	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1457 27	LPAL2	2	0.780963	Inlier
siRNA Disorazole DMSO Run3	NM_1457 27	LPAL2	2	1.459298	Inlier
siRNA Disorazole DMSO Run2	NM_0149 21	LPHN1	1	-2.022687	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0149 21	LPHN1	1	-0.445421	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0149 21	LPHN1	1	-0.425702	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0149 21	LPHN1	1	-0.223602	Inlier
siRNA Disorazole DMSO Run1	NM_0149 21	LPHN1	1	0.223602	Inlier
siRNA Disorazole DMSO Run3	NM_0149 21	LPHN1	1	0.903579	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0149 21	LPHN1	1	0.9376	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0149 21	LPHN1	1	1.144122	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0123 02	LPHN2	2	-2.262206	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0123 02	LPHN2	2	-1.54154	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0123 02	LPHN2	2	-0.504213	Inlier
siRNA Disorazole DMSO Run1	NM_0123 02	LPHN2	2	-0.081505	Inlier
siRNA Disorazole DMSO Run2	NM_0123 02	LPHN2	2	0.081506	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0123 02	LPHN2	2	0.643285	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0123 02	LPHN2	2	0.705715	Inlier
siRNA Disorazole DMSO Run3	NM_0123 02	LPHN2	2	0.776072	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0152 36	LPHN3	3	-2.773625	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0152 36	LPHN3	3	-2.076046	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0152 36	LPHN3	3	-0.532998	Inlier
siRNA Disorazole DMSO Run2	NM_0152 36	LPHN3	3	-0.238452	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_0152		latrophilin	
siRNA Disorazole DMSO Run3	36	LPHN3	3	0.238452 Inlier
	NM_0152		latrophilin	
siRNA Disorazole DMSO Run1	36	LPHN3	3	0.297415 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0152		latrophilin	
	36	LPHN3	3	0.816002 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0152		latrophilin	
	36	LPHN3	3	1.370069 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0002		lipoprotein	
	37	LPL	lipase	-1.514807 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0002		lipoprotein	
	37	LPL	lipase	-1.484097 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0002		lipoprotein	
	37	LPL	lipase	-0.555414 Inlier
	NM_0002		lipoprotein	
siRNA Disorazole DMSO Run3	37	LPL	lipase	-0.033482 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0002		lipoprotein	
	37	LPL	lipase	0.033482 Inlier
	NM_0002		lipoprotein	
siRNA Disorazole DMSO Run1	37	LPL	lipase	0.624004 Inlier
	NM_0002		lipoprotein	
siRNA Disorazole DMSO Run2	37	LPL	lipase	0.724996 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0002		lipoprotein	
	37	LPL	lipase	0.849737 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0061		lactoperoxi	
	51	LPO	dase	-0.841259 Inlier
	NM_0061		lactoperoxi	
siRNA Disorazole DMSO Run3	51	LPO	dase	-0.507741 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0061		lactoperoxi	
	51	LPO	dase	-0.485803 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0061		lactoperoxi	
	51	LPO	dase	-0.068052 Inlier
	NM_0061		lactoperoxi	
siRNA Disorazole DMSO Run1	51	LPO	dase	0.068052 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0061		lactoperoxi	
	51	LPO	dase	1.366634 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0061		lactoperoxi	
	51	LPO	dase	2.280668 Inlier
	NM_0061		lactoperoxi	
siRNA Disorazole DMSO Run2	51	LPO	dase	2.778257 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0227		LPPR2	
	37	LPPR2	LPPR2	-3.461136 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0227		LPPR2	
	37	LPPR2	LPPR2	-2.286901 Inlier
	NM_0227			
siRNA Disorazole DMSO Run3	37	LPPR2	LPPR2	-0.82487 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0227			
	37	LPPR2	LPPR2	-0.484829 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0227			
	37	LPPR2	LPPR2	0.484829 Inlier
	NM_0227			
siRNA Disorazole DMSO Run2	37	LPPR2	LPPR2	0.602788 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA-Temozolomide Run1- DMSO	NM_0227 37	LPPR2	LPPR2	0.671854	Inlier
	NM_0227				
siRNA Disorazole DMSO Run1	37	LPPR2	LPPR2	0.677146	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0048 11	LPXN	leupaxin	-1.47941	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0048 11	LPXN	leupaxin	-0.725012	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0048 11	LPXN	leupaxin	-0.476814	Inlier
	NM_0048				
siRNA Disorazole DMSO Run1	11	LPXN	leupaxin	-0.035706	Inlier
	NM_0048				
siRNA Disorazole DMSO Run3	11	LPXN	leupaxin	0.035706	Inlier
	NM_0048				
siRNA Disorazole DMSO Run2	11	LPXN	leupaxin	0.623988	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0048 11	LPXN	leupaxin	1.149244	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0048 11	LPXN	leupaxin	1.537187	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0223 50	LRAP	LRAP	-1.537986	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0223 50	LRAP	LRAP	-0.581456	Inlier
	NM_0223				
siRNA Disorazole DMSO Run3	50	LRAP	LRAP	-0.538385	Inlier
	NM_0223				
siRNA Disorazole DMSO Run2	50	LRAP	LRAP	-0.288388	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0223 50	LRAP	LRAP	0.288388	Inlier
	NM_0223				
siRNA Disorazole DMSO Run1	50	LRAP	LRAP	0.767544	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0223 50	LRAP	LRAP	1.844596	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0223 50	LRAP	LRAP	2.032042	Inlier
			lecithin retinol acyltransfe rase (phosphati dylcholine-- retinol O- acyltransfe rase)		
siRNA-Temozolomide Run2- DMSO	NM_0047 44	LRAT		-1.285641	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0047 44	LRAT	lecithin retinol acyltransfe rase (phosphati dylcholine-- retinol O- acyltransfe rase)	-0.955502	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0047 44	LRAT	lecithin retinol acyltransfe rase (phosphati dylcholine-- retinol O- acyltransfe rase)	-0.393498	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0047 44	LRAT	lecithin retinol acyltransfe rase (phosphati dylcholine-- retinol O- acyltransfe rase)	-0.007672	Inlier
siRNA Disorazole DMSO Run1	NM_0047 44	LRAT	lecithin retinol acyltransfe rase (phosphati dylcholine-- retinol O- acyltransfe rase)	0.007672	Inlier
siRNA Disorazole DMSO Run3	NM_0047 44	LRAT	lecithin retinol acyltransfe rase (phosphati dylcholine-- retinol O- acyltransfe rase)	0.357057	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0047 44	LRAT	lecithin retinol acyltransfe rase (phosphati dylcholine-- retinol O- acyltransfe rase)	1.183474	Inlier
siRNA Disorazole DMSO Run2	NM_0047 44	LRAT	lecithin retinol acyltransfe rase (phosphati dylcholine-- retinol O- acyltransfe rase)	1.241951	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0023 32	LRP1	low density lipoprotein- related protein 1 (alpha-2- macroglob ulin receptor)	-1.074088	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0023 32	LRP1	low density lipoprotein- related protein 1 (alpha-2- macroglob ulin receptor)	-0.912104	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0023 32	LRP1	low density lipoprotein- related protein 1 (alpha-2- macroglob ulin receptor)	-0.410225	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0023 32	LRP1	low density lipoprotein-related protein 1 (alpha-2-macroglobulin receptor)	-0.182317	Inlier
siRNA Disorazole DMSO Run1	NM_0023 32	LRP1	low density lipoprotein-related protein 1 (alpha-2-macroglobulin receptor)	0.182318	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0023 32	LRP1	low density lipoprotein-related protein 1 (alpha-2-macroglobulin receptor)	0.436896	Inlier
siRNA Disorazole DMSO Run2	NM_0023 32	LRP1	low density lipoprotein-related protein 1 (alpha-2-macroglobulin receptor)	1.74967	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0023 32	LRP1	low density lipoprotein-related protein 1 (alpha-2-macroglobulin receptor)	2.736651	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0134 37	LRP12	protein 12	-1.25821	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0134 37	LRP12	low density lipoprotein-related protein 12	-1.085801	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0134 37	LRP12	low density lipoprotein-related protein 12	-0.238016	Inlier
siRNA Disorazole DMSO Run1	NM_0134 37	LRP12	low density lipoprotein-related protein 12	-0.037699	Inlier
siRNA Disorazole DMSO Run3	NM_0134 37	LRP12	low density lipoprotein-related protein 12	0.037699	Inlier
siRNA Disorazole DMSO Run2	NM_0134 37	LRP12	low density lipoprotein-related protein 12	0.498552	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0134 37	LRP12	low density lipoprotein-related protein 12	0.850448	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0134 37	LRP12	low density lipoprotein-related protein 12	0.90085	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0023 33	LRP3	low density lipoprotein receptor-related protein 3	-1.622876	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0023 33	LRP3	low density lipoprotein receptor-related protein 3	-1.146216	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0023 33	LRP3	low density lipoprotein receptor- related protein 3	-0.544027	Inlier
siRNA Disorazole DMSO Run1	NM_0023 33	LRP3	low density lipoprotein receptor- related protein 3	-0.084931	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0023 33	LRP3	low density lipoprotein receptor- related protein 3	0.084931	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0023 33	LRP3	low density lipoprotein receptor- related protein 3	0.539609	Inlier
siRNA Disorazole DMSO Run2	NM_0023 33	LRP3	low density lipoprotein receptor- related protein 3	0.804973	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0023 33	LRP3	low density lipoprotein receptor- related protein 3	1.735232	Inlier
siRNA-Vinblastine Run2- DMSO	XM_03503 7	LRP4	low density lipoprotein receptor- related protein 4	-4.570962	Outlier
siRNA Disorazole DMSO Run3	XM_03503 7	LRP4	low density lipoprotein receptor- related protein 4	-2.020087	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	XM_03503 7	LRP4	low density lipoprotein receptor-related protein 4	-0.516171	Inlier
siRNA-Temozolomide Run2-DMSO	XM_03503 7	LRP4	low density lipoprotein receptor-related protein 4	-0.212815	Inlier
siRNA Disorazole DMSO Run2	XM_03503 7	LRP4	low density lipoprotein receptor-related protein 4	0.212816	Inlier
siRNA-Temozolomide Run3-DMSO	XM_03503 7	LRP4	low density lipoprotein receptor-related protein 4	0.631584	Inlier
siRNA Disorazole DMSO Run1	XM_03503 7	LRP4	low density lipoprotein receptor-related protein 4	0.717416	Inlier
siRNA-Vinblastine Run1-DMSO	XM_03503 7	LRP4	low density lipoprotein receptor-related protein 4	1.549597	Inlier
siRNA Disorazole DMSO Run1	NM_0023 35	LRP5	low density lipoprotein receptor-related protein 5	-0.684372	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0023 35	LRP5	low density lipoprotein receptor-related protein 5	-0.676423	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0023 35	LRP5	low density lipoprotein receptor-related protein 5	-0.672577	Inlier
siRNA Disorazole DMSO Run3	NM_0023 35	LRP5	low density lipoprotein receptor-related protein 5	-0.195819	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0023 35	LRP5	low density lipoprotein receptor-related protein 5	0.195819	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0023 35	LRP5	low density lipoprotein receptor-related protein 5	0.550599	Inlier
siRNA Disorazole DMSO Run2	NM_0023 35	LRP5	low density lipoprotein receptor-related protein 5	1.585161	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0023 35	LRP5	low density lipoprotein receptor-related protein 5	2.423937	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0023 36	LRP6	low density lipoprotein receptor-related protein 6	-3.709863	Outlier
siRNA Disorazole DMSO Run3	NM_0023 36	LRP6	low density lipoprotein receptor-related protein 6	-0.748304	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0023 36	LRP6	low density lipoprotein receptor- related protein 6	-0.724764	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0023 36	LRP6	low density lipoprotein receptor- related protein 6	-0.209866	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0023 36	LRP6	low density lipoprotein receptor- related protein 6	0.209866	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0023 36	LRP6	low density lipoprotein receptor- related protein 6	0.246426	Inlier
siRNA Disorazole DMSO Run2	NM_0023 36	LRP6	low density lipoprotein receptor- related protein 6	0.624236	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0023 36	LRP6	low density lipoprotein receptor- related protein 6	1.729447	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0333 00	LRP8	low density lipoprotein receptor- related protein 8, apolipopro tein e receptor	-1.523474	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Value	Category
siRNA-Temozolomide Run2-DMSO	NM_033300	LRP8	low density lipoprotein receptor-related protein 8, apolipoprotein e receptor	-0.814472	Inlier
siRNA Disorazole DMSO Run3	NM_033300	LRP8	low density lipoprotein receptor-related protein 8, apolipoprotein e receptor	-0.292866	Inlier
siRNA Disorazole DMSO Run1	NM_033300	LRP8	low density lipoprotein receptor-related protein 8, apolipoprotein e receptor	-0.261405	Inlier
siRNA-Temozolomide Run1-DMSO	NM_033300	LRP8	low density lipoprotein receptor-related protein 8, apolipoprotein e receptor	0.261405	Inlier
siRNA-Temozolomide Run3-DMSO	NM_033300	LRP8	low density lipoprotein receptor-related protein 8, apolipoprotein e receptor	0.534528	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_033300	LRP8	low density lipoprotein receptor-related protein 8, apolipoprotein e receptor	0.970826	Inlier
siRNA-Vinblastine Run1-DMSO	NM_033300	LRP8	low density lipoprotein receptor-related protein 8, apolipoprotein e receptor	1.916299	Inlier
siRNA-Temozolomide Run2-DMSO	NM_024652	LRRK1	leucine-rich repeat kinase 1	-2.637419	Inlier
siRNA-Temozolomide Run3-DMSO	NM_024652	LRRK1	leucine-rich repeat kinase 1	-2.601715	Inlier
siRNA Disorazole DMSO Run2	NM_024652	LRRK1	leucine-rich repeat kinase 1	-0.558206	Inlier
siRNA-Temozolomide Run1-DMSO	NM_024652	LRRK1	leucine-rich repeat kinase 1	-0.347692	Inlier
siRNA Disorazole DMSO Run3	NM_024652	LRRK1	leucine-rich repeat kinase 1	0.347692	Inlier
siRNA Disorazole DMSO Run1	NM_024652	LRRK1	leucine-rich repeat kinase 1	0.537978	Inlier
siRNA-Vinblastine Run2-DMSO	NM_024652	LRRK1	leucine-rich repeat kinase 1	0.790794	Inlier
siRNA-Vinblastine Run1-DMSO	NM_024652	LRRK1	leucine-rich repeat kinase 1	0.844035	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

				lanosterol synthase (2,3-oxidosqualene-lanosterol cyclase)	
siRNA Disorazole DMSO Run2	NM_0023 40	LSS		leukotriene A4 hydrolase	3.03055 Inlier
siRNA Disorazole DMSO Run1	NM_0008 95	LTA4H		leukotriene A4 hydrolase	-1.337426 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0008 95	LTA4H		leukotriene A4 hydrolase	-0.681478 Inlier
siRNA Disorazole DMSO Run3	NM_0008 95	LTA4H		leukotriene A4 hydrolase	-0.667522 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0008 95	LTA4H		leukotriene A4 hydrolase	-0.300231 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0008 95	LTA4H		leukotriene A4 hydrolase	0.300231 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0008 95	LTA4H		leukotriene A4 hydrolase	0.373889 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0008 95	LTA4H		leukotriene A4 hydrolase	0.836161 Inlier
siRNA Disorazole DMSO Run2	NM_0008 95	LTA4H		leukotriene B4 12-hydroxydehydrogenase	1.534407 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0122 12	LTB4DH		leukotriene B4 12-hydroxydehydrogenase	-0.92441 Inlier
siRNA Disorazole DMSO Run1	NM_0122 12	LTB4DH		leukotriene B4 12-hydroxydehydrogenase	-0.42459 Inlier
siRNA Disorazole DMSO Run2	NM_0122 12	LTB4DH		leukotriene B4 12-hydroxydehydrogenase	-0.316264 Inlier
siRNA Disorazole DMSO Run3	NM_0122 12	LTB4DH		leukotriene B4 12-hydroxydehydrogenase	-0.269767 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0122 12	LTB4DH	leukotrien e B4 12- hydroxyde hydrogena se	0.269766 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0122 12	LTB4DH	leukotrien e B4 12- hydroxyde hydrogena se	2.114538 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0122 12	LTB4DH	leukotrien e B4 12- hydroxyde hydrogena se	2.228099 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0122 12	LTB4DH	leukotrien e B4 12- hydroxyde hydrogena se	2.367766 Inlier
siRNA-Temozolomide Run3-DMSO	NM_1816 57	LTB4R	leukotrien e B4 receptor	-1.127306 Inlier
siRNA-Temozolomide Run2-DMSO	NM_1816 57	LTB4R	leukotrien e B4 receptor	-0.912151 Inlier
siRNA-Temozolomide Run1-DMSO	NM_1816 57	LTB4R	leukotrien e B4 receptor	-0.780011 Inlier
siRNA Disorazole DMSO Run1	NM_1816 57	LTB4R	leukotrien e B4 receptor	-0.099593 Inlier
siRNA Disorazole DMSO Run2	NM_1816 57	LTB4R	leukotrien e B4 receptor	0.099593 Inlier
siRNA Disorazole DMSO Run3	NM_1816 57	LTB4R	leukotrien e B4 receptor	0.315581 Inlier
siRNA-Vinblastine Run1-DMSO	NM_1816 57	LTB4R	leukotrien e B4 receptor	0.609197 Inlier
siRNA-Vinblastine Run2-DMSO	NM_1816 57	LTB4R	leukotrien e B4 receptor	0.739803 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0198 39	LTB4R2	leukotrien e B4 receptor 2	-5.563097 Outlier
siRNA-Temozolomide Run2-DMSO	NM_0198 39	LTB4R2	leukotrien e B4 receptor 2	-2.851498 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0198 39	LTB4R2	leukotrien e B4 receptor 2	-2.034069	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0198 39	LTB4R2	leukotrien e B4 receptor 2	-0.111178	Inlier
siRNA Disorazole DMSO Run1	NM_0198 39	LTB4R2	leukotrien e B4 receptor 2	0.111178	Inlier
siRNA Disorazole DMSO Run2	NM_0198 39	LTB4R2	leukotrien e B4 receptor 2	0.231844	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0198 39	LTB4R2	leukotrien e B4 receptor 2	0.423735	Inlier
siRNA Disorazole DMSO Run3	NM_0198 39	LTB4R2	leukotrien e B4 receptor 2	0.925265	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0023 42	LTBR	lymphotoxi n beta receptor (TNFR superfamil y, member 3)	-1.021193	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0023 42	LTBR	lymphotoxi n beta receptor (TNFR superfamil y, member 3)	-0.60433	Inlier
siRNA Disorazole DMSO Run3	NM_0023 42	LTBR	lymphotoxi n beta receptor (TNFR superfamil y, member 3)	-0.472498	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0023 42	LTBR	lymphotoxi n beta receptor (TNFR superfamil y, member 3)	-0.076766	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0023 42	LTBR	lymphotoxin beta receptor (TNFR superfamily, member 3)	0.076766	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0023 42	LTBR	lymphotoxin beta receptor (TNFR superfamily, member 3)	0.74467	Inlier
siRNA Disorazole DMSO Run2	NM_0023 42	LTBR	lymphotoxin beta receptor (TNFR superfamily, member 3)	1.879297	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0023 42	LTBR	lymphotoxin beta receptor (TNFR superfamily, member 3)	2.412388	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1458 67	LTC4S	leukotriene C4 synthase	-1.073002	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1458 67	LTC4S	leukotriene C4 synthase	-1.031078	Inlier
siRNA Disorazole DMSO Run1	NM_1458 67	LTC4S	leukotriene C4 synthase	-0.317922	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1458 67	LTC4S	leukotriene C4 synthase	-0.015949	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1458 67	LTC4S	leukotriene C4 synthase	0.015949	Inlier
siRNA Disorazole DMSO Run3	NM_1458 67	LTC4S	leukotriene C4 synthase	0.085703	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Condition	Gene	Gene ID	Gene Symbol	Gene Description	Log Fold Change	Classification
Molecular Pharmacology siRNA-Vinblastine Run1- DMSO	NM_1458	67	LTC4S	leukotrien e C4 synthase	1.095376	Inlier
siRNA Disorazole DMSO Run2	NM_1458	67	LTC4S	leukotrien e C4 synthase	1.811631	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0023	43	LTF	lactotransf errin	-1.235299	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0023	43	LTF	lactotransf errin	-0.706621	Inlier
siRNA Disorazole DMSO Run3	NM_0023	43	LTF	lactotransf errin	-0.543544	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0023	43	LTF	lactotransf errin	-0.467985	Inlier
siRNA Disorazole DMSO Run1	NM_0023	43	LTF	lactotransf errin	0.467984	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0023	43	LTF	lactotransf errin	0.642379	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0023	43	LTF	lactotransf errin	3.165164	Inlier
siRNA Disorazole DMSO Run2	NM_0023	43	LTF	lactotransf errin	4.292596	Outlier
siRNA-Vinblastine Run1- DMSO	NM_2069	61	LTK	leukocyte tyrosine kinase	-1.066036	Inlier
siRNA Disorazole DMSO Run1	NM_2069	61	LTK	leukocyte tyrosine kinase	-0.430854	Inlier
siRNA-Temozolomide Run2- DMSO	NM_2069	61	LTK	leukocyte tyrosine kinase	-0.370637	Inlier
siRNA-Temozolomide Run3- DMSO	NM_2069	61	LTK	leukocyte tyrosine kinase	-0.115181	Inlier
siRNA-Temozolomide Run1- DMSO	NM_2069	61	LTK	leukocyte tyrosine kinase	0.115181	Inlier
siRNA-Vinblastine Run2- DMSO	NM_2069	61	LTK	leukocyte tyrosine kinase	0.918146	Inlier
siRNA Disorazole DMSO Run3	NM_2069	61	LTK	leukocyte tyrosine kinase	1.163108	Inlier
siRNA Disorazole DMSO Run2	NM_2069	61	LTK	leukocyte tyrosine kinase	2.380973	Inlier
siRNA Disorazole DMSO Run2	NM_0212	21	LY6G5B	lymphocyt e antigen 6 complex, locus G5B	-1.046769	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0212 21	LY6G5B	lymphocyte antigen 6 complex, locus G5B	-0.846579	Inlier
siRNA Disorazole DMSO Run3	NM_0212 21	LY6G5B	lymphocyte antigen 6 complex, locus G5B	-0.753685	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0212 21	LY6G5B	lymphocyte antigen 6 complex, locus G5B	-0.016862	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0212 21	LY6G5B	lymphocyte antigen 6 complex, locus G5B	0.016862	Inlier
siRNA Disorazole DMSO Run1	NM_0212 21	LY6G5B	lymphocyte antigen 6 complex, locus G5B	0.254458	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0212 21	LY6G5B	lymphocyte antigen 6 complex, locus G5B	0.646644	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0212 21	LY6G5B	lymphocyte antigen 6 complex, locus G5B	0.702356	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0023 48	LY9	lymphocyte antigen 9	-1.501221	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0023 48	LY9	lymphocyte antigen 9	-0.692606	Inlier
siRNA Disorazole DMSO Run1	NM_0023 48	LY9	lymphocyte antigen 9	-0.465177	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology					
siRNA-Temozolomide Run1-DMSO	NM_0023 48	LY9	lymphocyte antigen 9	-0.026498	Inlier
siRNA Disorazole DMSO Run3	NM_0023 48	LY9	lymphocyte antigen 9	0.026499	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0023 48	LY9	lymphocyte antigen 9	0.656394	Inlier
siRNA Disorazole DMSO Run2	NM_0023 48	LY9	lymphocyte antigen 9	1.177847	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0023 48	LY9	lymphocyte antigen 9	1.615832	Inlier
siRNA Disorazole DMSO Run2	NM_1533 35	LYK5	LYK5	-1.509025	Inlier
siRNA Disorazole DMSO Run3	NM_1533 35	LYK5	LYK5	-1.275514	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1533 35	LYK5	LYK5	-0.569358	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1533 35	LYK5	LYK5	-0.26324	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1533 35	LYK5	LYK5	0.26324	Inlier
siRNA Disorazole DMSO Run1	NM_1533 35	LYK5	LYK5	0.490789	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1533 35	LYK5	LYK5	0.779642	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1533 35	LYK5	LYK5	0.816809	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0023 50	LYN	v-yes-1 Yamaguchi sarcoma viral related oncogene homolog	-1.404301	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0023 50	LYN	v-yes-1 Yamaguchi sarcoma viral related oncogene homolog	-0.545661	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0023 50	LYN	v-yes-1 Yamaguchi sarcoma viral related oncogene homolog	-0.470849	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0023 50	LYN	v-yes-1 Yamaguchi sarcoma viral related oncogene homolog	-0.231386	Inlier
siRNA Disorazole DMSO Run1	NM_0023 50	LYN	v-yes-1 Yamaguchi sarcoma viral related oncogene homolog	0.231387	Inlier
siRNA Disorazole DMSO Run2	NM_0023 50	LYN	v-yes-1 Yamaguchi sarcoma viral related oncogene homolog	0.803339	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0023 50	LYN	v-yes-1 Yamaguchi sarcoma viral related oncogene homolog	1.220666	Inlier
siRNA Disorazole DMSO Run3	NM_0023 50	LYN	v-yes-1 Yamaguchi sarcoma viral related oncogene homolog	1.7822	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0063 30	LYPLA1	lysophospholipase I	-0.99192	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0063 30	LYPLA1	lysophospholipase I	-0.565265	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA-Temozolomide Run2- DMSO	NM_0063 30	LYPLA1	lysophosp holipase I	-0.465174	Inlier
	NM_0063		lysophosp		
siRNA Disorazole DMSO Run3	30	LYPLA1	holipase I	-0.248028	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0063 30	LYPLA1	lysophosp holipase I	0.248028	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0063 30	LYPLA1	lysophosp holipase I	0.783735	Inlier
	NM_0063		lysophosp		
siRNA Disorazole DMSO Run1	30	LYPLA1	holipase I	1.029775	Inlier
	NM_0063		lysophosp		
siRNA Disorazole DMSO Run2	30	LYPLA1	holipase I	1.442455	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0072 60	LYPLA2	lysophosp holipase II	-1.612954	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0072 60	LYPLA2	lysophosp holipase II	-0.786491	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0072 60	LYPLA2	lysophosp holipase II	-0.562509	Inlier
	NM_0072		lysophosp		
siRNA Disorazole DMSO Run3	60	LYPLA2	holipase II	-0.431173	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0072 60	LYPLA2	lysophosp holipase II	0.431173	Inlier
	NM_0072		lysophosp		
siRNA Disorazole DMSO Run1	60	LYPLA2	holipase II	0.541474	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0072 60	LYPLA2	lysophosp holipase II	2.180202	Inlier
	NM_0072		lysophosp		
siRNA Disorazole DMSO Run2	60	LYPLA2	holipase II	2.596537	Inlier
			lysophosp holipase 3 (lysosomal phospholip ase A2)		
siRNA-Temozolomide Run3- DMSO	NM_0123 20	LYPLA3	ase A2)	-0.839648	Inlier
			lysophosp holipase 3 (lysosomal phospholip ase A2)		
siRNA-Vinblastine Run2- DMSO	NM_0123 20	LYPLA3	ase A2)	-0.558115	Inlier
			lysophosp holipase 3 (lysosomal phospholip ase A2)		
siRNA Disorazole DMSO Run3	NM_0123 20	LYPLA3	ase A2)	-0.324122	Inlier
			lysophosp holipase 3 (lysosomal phospholip ase A2)		
siRNA-Temozolomide Run2- DMSO	NM_0123 20	LYPLA3	ase A2)	-0.060082	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0123 20	LYPLA3	lysophospholipase 3 (lysosomal phospholipase A2)	0.060082	Inlier
siRNA Disorazole DMSO Run1	NM_0123 20	LYPLA3	lysophospholipase 3 (lysosomal phospholipase A2)	0.790885	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0123 20	LYPLA3	lysophospholipase 3 (lysosomal phospholipase A2)	0.918928	Inlier
siRNA Disorazole DMSO Run2	NM_0123 20	LYPLA3	lysophospholipase 3 (lysosomal phospholipase A2)	1.432463	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1387 94	LYPLAL1	lysophospholipase-like 1	-1.177123	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1387 94	LYPLAL1	lysophospholipase-like 1	-0.55125	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1387 94	LYPLAL1	lysophospholipase-like 1	-0.548242	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1387 94	LYPLAL1	lysophospholipase-like 1	-0.155575	Inlier
siRNA Disorazole DMSO Run3	NM_1387 94	LYPLAL1	lysophospholipase-like 1	0.155576	Inlier
siRNA Disorazole DMSO Run1	NM_1387 94	LYPLAL1	lysophospholipase-like 1	0.79775	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1387 94	LYPLAL1	lysophospholipase-like 1	1.695648	Inlier
siRNA Disorazole DMSO Run2	NM_1387 94	LYPLAL1	lysophospholipase-like 1	2.099911	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1749 41	M160	M160	-0.734144	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1749 41	M160	M160	-0.614856	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology	NM_1749				
siRNA Disorazole DMSO Run1	41	M160	M160	-0.224626	Inlier
	NM_1749				
siRNA Disorazole DMSO Run3	41	M160	M160	-0.00473	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1749				
	41	M160	M160	0.00473	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1749				
	41	M160	M160	1.42225	Inlier
	NM_1749				
siRNA Disorazole DMSO Run2	41	M160	M160	2.64967	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1749				
	41	M160	M160	3.387087	Inlier
			mannose-6-phosphate receptor (cation dependent)		
siRNA-Vinblastine Run2-DMSO	NM_0023				
	55	M6PR	)	-1.577633	Inlier
			mannose-6-phosphate receptor (cation dependent)		
siRNA-Temozolomide Run2-DMSO	NM_0023				
	55	M6PR	)	-0.761526	Inlier
			mannose-6-phosphate receptor (cation dependent)		
siRNA Disorazole DMSO Run1	NM_0023				
	55	M6PR	)	-0.294932	Inlier
			mannose-6-phosphate receptor (cation dependent)		
siRNA Disorazole DMSO Run3	NM_0023				
	55	M6PR	)	-0.08127	Inlier
			mannose-6-phosphate receptor (cation dependent)		
siRNA-Temozolomide Run1-DMSO	NM_0023				
	55	M6PR	)	0.08127	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0023 55	M6PR	mannose-6-phosphate receptor (cation dependent)	0.587474	Inlier
siRNA Disorazole DMSO Run2	NM_0023 55	M6PR	mannose-6-phosphate receptor (cation dependent)	1.509681	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0023 55	M6PR	mannose-6-phosphate receptor (cation dependent)	2.414937	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1304 73	MADD	MAP-kinase activating death domain	-1.986854	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1304 73	MADD	MAP-kinase activating death domain	-1.374546	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1304 73	MADD	MAP-kinase activating death domain	-0.669737	Inlier
siRNA Disorazole DMSO Run3	NM_1304 73	MADD	MAP-kinase activating death domain	-0.204098	Inlier
siRNA Disorazole DMSO Run1	NM_1304 73	MADD	MAP-kinase activating death domain	0.204098	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1304 73	MADD	MAP-kinase activating death domain	0.481436	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_1304 73	MADD	MAP-kinase activating death domain	0.679263	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1304 73	MADD	MAP-kinase activating death domain	1.231081	Inlier
siRNA Disorazole DMSO Run2	NM_1735 15	MAG11	membrane associated guanylate kinase interacting protein-like 1	-0.728287	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1735 15	MAG11	membrane associated guanylate kinase interacting protein-like 1	-0.620713	Inlier
siRNA Disorazole DMSO Run3	NM_1735 15	MAG11	membrane associated guanylate kinase interacting protein-like 1	-0.588403	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1735 15	MAG11	membrane associated guanylate kinase interacting protein-like 1	-0.123081	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_1735 15	MAG11	membrane associated guanylate kinase interacting protein-like 1	0.123081	Inlier
siRNA Disorazole DMSO Run1	NM_1735 15	MAG11	membrane associated guanylate kinase interacting protein-like 1	0.969888	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1735 15	MAG11	membrane associated guanylate kinase interacting protein-like 1	1.212059	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1735 15	MAG11	membrane associated guanylate kinase interacting protein-like 1	1.696404	Inlier
siRNA Disorazole DMSO Run2	NM_0209 65	MAGI-3	membrane associated guanylate kinase, WW and PDZ domain containing 3	-1.032413	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0209 65	MAGI-3	membrane associated guanylate kinase, WW and PDZ domain containing 3	-0.873583	Inlier
siRNA Disorazole DMSO Run3	NM_0209 65	MAGI-3	membrane associated guanylate kinase, WW and PDZ domain containing 3	-0.174909	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0209 65	MAGI-3	membrane associated guanylate kinase, WW and PDZ domain containing 3	-0.124268	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0209 65	MAGI-3	membrane associated guanylate kinase, WW and PDZ domain containing 3	0.124268	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0209 65	MAGI-3	3	membrane associated guanylate kinase, WW and PDZ domain containing	0.475417	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0209 65	MAGI-3	3	membrane associated guanylate kinase, WW and PDZ domain containing	1.560183	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0209 65	MAGI-3	3	membrane associated guanylate kinase, WW and PDZ domain containing	1.662718	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0059 06	MAK	3	male germ cell-associated kinase	-1.920081	Inlier
siRNA Disorazole DMSO Run2	NM_0059 06	MAK	3	male germ cell-associated kinase	-1.82641	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0059 06	MAK	3	male germ cell-associated kinase	-0.639055	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0059 06	MAK	3	male germ cell-associated kinase	-0.334507	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0059 06	MAK	male germ cell-associated kinase	0.334507	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0059 06	MAK	male germ cell-associated kinase	0.607564	Inlier
siRNA Disorazole DMSO Run1	NM_0059 06	MAK	male germ cell-associated kinase	0.709945	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0059 06	MAK	male germ cell-associated kinase	3.079996	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1738 44	MALT1	mucosa associated lymphoid tissue lymphoma translocation gene 1	-2.343401	Inlier
siRNA Disorazole DMSO Run2	NM_1738 44	MALT1	mucosa associated lymphoid tissue lymphoma translocation gene 1	-1.10966	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1738 44	MALT1	mucosa associated lymphoid tissue lymphoma translocation gene 1	-0.415979	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_1738 44	MALT1	mucosa associated lymphoid tissue lymphoma translocation gene 1	-0.413868	Inlier
siRNA Disorazole DMSO Run3	NM_1738 44	MALT1	mucosa associated lymphoid tissue lymphoma translocation gene 1	0.413868	Inlier
siRNA Disorazole DMSO Run1	NM_1738 44	MALT1	mucosa associated lymphoid tissue lymphoma translocation gene 1	0.57372	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1738 44	MALT1	mucosa associated lymphoid tissue lymphoma translocation gene 1	0.77528	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1738 44	MALT1	mucosa associated lymphoid tissue lymphoma translocation gene 1	0.932732	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_005907	MAN1A1	mannosidase, alpha, class 1A, member 1	-1.519275	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005907	MAN1A1	mannosidase, alpha, class 1A, member 1	-1.293264	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005907	MAN1A1	mannosidase, alpha, class 1A, member 1	-0.484968	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005907	MAN1A1	mannosidase, alpha, class 1A, member 1	-0.094766	Inlier
siRNA Disorazole DMSO Run3	NM_005907	MAN1A1	mannosidase, alpha, class 1A, member 1	0.094766	Inlier
siRNA Disorazole DMSO Run1	NM_005907	MAN1A1	mannosidase, alpha, class 1A, member 1	0.13103	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005907	MAN1A1	mannosidase, alpha, class 1A, member 1	0.864031	Inlier
siRNA Disorazole DMSO Run2	NM_005907	MAN1A1	mannosidase, alpha, class 1A, member 1	1.335753	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006699	MAN1A2	mannosidase, alpha, class 1A, member 2	-1.60438	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006699	MAN1A2	mannosidase, alpha, class 1A, member 2	-0.790288	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_006699	MAN1A2	mannosidase, alpha, class 1A, member 2	-0.456252	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006699	MAN1A2	mannosidase, alpha, class 1A, member 2	-0.014191	Inlier
siRNA Disorazole DMSO Run1	NM_006699	MAN1A2	mannosidase, alpha, class 1A, member 2	0.014192	Inlier
siRNA Disorazole DMSO Run3	NM_006699	MAN1A2	mannosidase, alpha, class 1A, member 2	0.558712	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006699	MAN1A2	mannosidase, alpha, class 1A, member 2	1.586461	Inlier
siRNA Disorazole DMSO Run2	NM_006699	MAN1A2	mannosidase, alpha, class 1A, member 2	2.337234	Inlier
siRNA-Temozolomide Run3-DMSO	NM_016219	MAN1B1	mannosidase, alpha, class 1B, member 1	-0.792542	Inlier
siRNA-Vinblastine Run2-DMSO	NM_016219	MAN1B1	mannosidase, alpha, class 1B, member 1	-0.732398	Inlier
siRNA Disorazole DMSO Run3	NM_016219	MAN1B1	mannosidase, alpha, class 1B, member 1	-0.616602	Inlier
siRNA-Temozolomide Run2-DMSO	NM_016219	MAN1B1	mannosidase, alpha, class 1B, member 1	-0.14562	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0162 19	MAN1B1	mannosidase, alpha, class 1B, member 1	0.14562	Inlier
siRNA Disorazole DMSO Run1	NM_0162 19	MAN1B1	mannosidase, alpha, class 1B, member 1	0.248896	Inlier
siRNA Disorazole DMSO Run2	NM_0162 19	MAN1B1	mannosidase, alpha, class 1B, member 1	1.10924	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0162 19	MAN1B1	mannosidase, alpha, class 1B, member 1	1.378986	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0023 72	MAN2A1	mannosidase, alpha, class 2A, member 1	-1.093138	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0023 72	MAN2A1	mannosidase, alpha, class 2A, member 1	-0.882395	Inlier
siRNA Disorazole DMSO Run3	NM_0023 72	MAN2A1	mannosidase, alpha, class 2A, member 1	-0.544082	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0023 72	MAN2A1	mannosidase, alpha, class 2A, member 1	-0.039418	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0023 72	MAN2A1	mannosidase, alpha, class 2A, member 1	0.039418	Inlier
siRNA Disorazole DMSO Run1	NM_0023 72	MAN2A1	mannosidase, alpha, class 2A, member 1	0.411185	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log2 Fold Change	Outlier Status
siRNA Disorazole DMSO Run2	NM_002372	MAN2A1	mannosidase, alpha, class 2A, member 1	0.804918	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002372	MAN2A1	mannosidase, alpha, class 2A, member 1	1.583498	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006122	MAN2A2	mannosidase, alpha, class 2A, member 2	-1.196533	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006122	MAN2A2	mannosidase, alpha, class 2A, member 2	-0.795068	Inlier
siRNA Disorazole DMSO Run3	NM_006122	MAN2A2	mannosidase, alpha, class 2A, member 2	-0.553932	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006122	MAN2A2	mannosidase, alpha, class 2A, member 2	-0.076459	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006122	MAN2A2	mannosidase, alpha, class 2A, member 2	0.076459	Inlier
siRNA Disorazole DMSO Run1	NM_006122	MAN2A2	mannosidase, alpha, class 2A, member 2	0.082624	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006122	MAN2A2	mannosidase, alpha, class 2A, member 2	3.166621	Inlier
siRNA Disorazole DMSO Run2	NM_006122	MAN2A2	mannosidase, alpha, class 2A, member 2	3.491221	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_000528	MAN2B1	mannosidase, alpha, class 2B, member 1	-1.92995	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000528	MAN2B1	mannosidase, alpha, class 2B, member 1	-1.148928	Inlier
siRNA Disorazole DMSO Run1	NM_000528	MAN2B1	mannosidase, alpha, class 2B, member 1	-0.782601	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000528	MAN2B1	mannosidase, alpha, class 2B, member 1	-0.098869	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000528	MAN2B1	mannosidase, alpha, class 2B, member 1	0.098869	Inlier
siRNA Disorazole DMSO Run3	NM_000528	MAN2B1	mannosidase, alpha, class 2B, member 1	0.433014	Inlier
siRNA Disorazole DMSO Run2	NM_000528	MAN2B1	mannosidase, alpha, class 2B, member 1	0.566399	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000528	MAN2B1	mannosidase, alpha, class 2B, member 1	0.929244	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006715	MAN2C1	mannosidase, alpha, class 2C, member 1	-0.904721	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006715	MAN2C1	mannosidase, alpha, class 2C, member 1	-0.444279	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log2 Fold Change	Category
siRNA-Temozolomide Run3-DMSO	NM_006715	MAN2C1	mannosidase, alpha, class 2C, member 1	-0.232093	Inlier
siRNA Disorazole DMSO Run1	NM_006715	MAN2C1	mannosidase, alpha, class 2C, member 1	-0.082803	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006715	MAN2C1	mannosidase, alpha, class 2C, member 1	0.082803	Inlier
siRNA Disorazole DMSO Run3	NM_006715	MAN2C1	mannosidase, alpha, class 2C, member 1	1.928633	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006715	MAN2C1	mannosidase, alpha, class 2C, member 1	5.282377	Outlier
siRNA Disorazole DMSO Run2	NM_006715	MAN2C1	mannosidase, alpha, class 2C, member 1	8.057325	Outlier
siRNA-Vinblastine Run2-DMSO	NM_005908	MANBA	lysosomal mannosidase, beta A,	-0.965771	Inlier
siRNA Disorazole DMSO Run3	NM_005908	MANBA	lysosomal mannosidase, beta A,	-0.716316	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005908	MANBA	lysosomal mannosidase, beta A,	-0.632684	Inlier
siRNA Disorazole DMSO Run1	NM_005908	MANBA	lysosomal mannosidase, beta A,	-0.350354	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005908	MANBA	lysosomal mannosidase, beta A,	0.350354	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_005908	MANBA	mannosidase, beta A, lysosomal	0.50667	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005908	MANBA	mannosidase, beta A, lysosomal	2.453161	Inlier
siRNA Disorazole DMSO Run2	NM_005908	MANBA	mannosidase, beta A, lysosomal	2.652652	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000240	MAOA	monoamine oxidase A	-1.981771	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000240	MAOA	monoamine oxidase A	-1.565263	Inlier
siRNA Disorazole DMSO Run1	NM_000240	MAOA	monoamine oxidase A	-0.60872	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000240	MAOA	monoamine oxidase A	-0.038284	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000240	MAOA	monoamine oxidase A	0.038284	Inlier
siRNA Disorazole DMSO Run3	NM_000240	MAOA	monoamine oxidase A	0.25824	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000240	MAOA	monoamine oxidase A	0.74028	Inlier
siRNA Disorazole DMSO Run2	NM_000240	MAOA	monoamine oxidase A	1.451669	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000898	MAOB	monoamine oxidase B	-0.987195	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000898	MAOB	monoamine oxidase B	-0.393353	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000898	MAOB	monoamine oxidase B	-0.302945	Inlier
siRNA Disorazole DMSO Run1	NM_000898	MAOB	monoamine oxidase B	-0.281176	Inlier
siRNA Disorazole DMSO Run3	NM_000898	MAOB	monoamine oxidase B	0.281177	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology siRNA-Vinblastine Run2- DMSO	NM_0008 98	MAOB	monoamin e oxidase B	0.955647	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0008 98	MAOB	monoamin e oxidase B	2.477293	Inlier
siRNA Disorazole DMSO Run2	NM_0008 98	MAOB	monoamin e oxidase B	3.460705	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1992 27	MAP1D	MAP1D	-2.021703	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1992 27	MAP1D	MAP1D	-1.651653	Inlier
siRNA Disorazole DMSO Run3	NM_1992 27	MAP1D	MAP1D	-0.489225	Inlier
siRNA Disorazole DMSO Run1	NM_1992 27	MAP1D	MAP1D	-0.097833	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1992 27	MAP1D	MAP1D	0.097833	Inlier
siRNA Disorazole DMSO Run2	NM_1992 27	MAP1D	MAP1D	0.162962	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1992 27	MAP1D	MAP1D	0.859775	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1992 27	MAP1D	MAP1D	0.962174	Inlier
siRNA Disorazole DMSO Run2	NM_0027 55	MAP2K1	mitogen- activated protein kinase kinase 1	-1.796638	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0027 55	MAP2K1	mitogen- activated protein kinase kinase 1	-0.838676	Inlier
siRNA Disorazole DMSO Run3	NM_0027 55	MAP2K1	mitogen- activated protein kinase kinase 1	-0.34192	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0027 55	MAP2K1	mitogen- activated protein kinase kinase 1	-0.124436	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0027 55	MAP2K1	mitogen- activated protein kinase kinase 1	0.124437	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0027 55	MAP2K1	kinase 1	mitogen-activated protein kinase 1	0.635458	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0027 55	MAP2K1	kinase 1	mitogen-activated protein kinase 1	0.713542	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0027 55	MAP2K1	kinase 1	mitogen-activated protein kinase 1	1.609699	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0219 70	MAP2K1IP 1	interacting protein 1	mitogen-activated protein kinase 1	-0.840682	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0219 70	MAP2K1IP 1	interacting protein 1	mitogen-activated protein kinase 1	-0.508318	Inlier
siRNA Disorazole DMSO Run2	NM_0219 70	MAP2K1IP 1	interacting protein 1	mitogen-activated protein kinase 1	-0.102042	Inlier
siRNA Disorazole DMSO Run3	NM_0219 70	MAP2K1IP 1	interacting protein 1	mitogen-activated protein kinase 1	-0.024832	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0219 70	MAP2K1IP 1	mitogen-activated protein kinase kinase 1 interacting protein 1	0.024832	Inlier
siRNA Disorazole DMSO Run1	NM_0219 70	MAP2K1IP 1	mitogen-activated protein kinase kinase 1 interacting protein 1	1.502364	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0219 70	MAP2K1IP 1	mitogen-activated protein kinase kinase 1 interacting protein 1	3.043567	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0219 70	MAP2K1IP 1	mitogen-activated protein kinase kinase 1 interacting protein 1	3.46741	Inlier
siRNA Disorazole DMSO Run2	NM_0306 62	MAP2K2	mitogen-activated protein kinase kinase 2	-1.226475	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0306 62	MAP2K2	mitogen-activated protein kinase kinase 2	-0.812504	Inlier
siRNA Disorazole DMSO Run3	NM_0306 62	MAP2K2	mitogen-activated protein kinase kinase 2	-0.513674	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0306 62	MAP2K2	mitogen-activated protein kinase kinase 2	-0.248995	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Value	Outlier Status
siRNA-Temozolomide Run1-DMSO	NM_030662	MAP2K2	mitogen-activated protein kinase 2	0.248995	Inlier
siRNA Disorazole DMSO Run1	NM_030662	MAP2K2	mitogen-activated protein kinase 2	0.575936	Inlier
siRNA-Vinblastine Run2-DMSO	NM_030662	MAP2K2	mitogen-activated protein kinase 2	0.773064	Inlier
siRNA-Vinblastine Run1-DMSO	NM_030662	MAP2K2	mitogen-activated protein kinase 2	0.918953	Inlier
siRNA-Temozolomide Run3-DMSO	NM_145109	MAP2K3	mitogen-activated protein kinase 3	-1.620149	Inlier
siRNA-Temozolomide Run2-DMSO	NM_145109	MAP2K3	mitogen-activated protein kinase 3	-1.030273	Inlier
siRNA-Temozolomide Run1-DMSO	NM_145109	MAP2K3	mitogen-activated protein kinase 3	-0.599612	Inlier
siRNA Disorazole DMSO Run1	NM_145109	MAP2K3	mitogen-activated protein kinase 3	-0.212462	Inlier
siRNA Disorazole DMSO Run3	NM_145109	MAP2K3	mitogen-activated protein kinase 3	0.212462	Inlier
siRNA Disorazole DMSO Run2	NM_145109	MAP2K3	mitogen-activated protein kinase 3	0.215231	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log2 Fold Change	Category
siRNA-Vinblastine Run2-DMSO	NM_145109	MAP2K3	mitogen-activated protein kinase 3	0.749388	Inlier
siRNA-Vinblastine Run1-DMSO	NM_145109	MAP2K3	mitogen-activated protein kinase 3	1.829174	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003010	MAP2K4	mitogen-activated protein kinase 4	-1.081508	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003010	MAP2K4	mitogen-activated protein kinase 4	-0.710862	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003010	MAP2K4	mitogen-activated protein kinase 4	-0.638138	Inlier
siRNA Disorazole DMSO Run3	NM_003010	MAP2K4	mitogen-activated protein kinase 4	-0.085157	Inlier
siRNA Disorazole DMSO Run1	NM_003010	MAP2K4	mitogen-activated protein kinase 4	0.085157	Inlier
siRNA Disorazole DMSO Run2	NM_003010	MAP2K4	mitogen-activated protein kinase 4	0.58953	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003010	MAP2K4	mitogen-activated protein kinase 4	2.054783	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003010	MAP2K4	mitogen-activated protein kinase 4	2.717515	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log Fold Change	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_145160	MAP2K5	mitogen-activated protein kinase 5	-0.942767	Inlier
siRNA-Temozolomide Run2-DMSO	NM_145160	MAP2K5	mitogen-activated protein kinase 5	-0.779451	Inlier
siRNA-Temozolomide Run1-DMSO	NM_145160	MAP2K5	mitogen-activated protein kinase 5	-0.223175	Inlier
siRNA Disorazole DMSO Run1	NM_145160	MAP2K5	mitogen-activated protein kinase 5	-0.040926	Inlier
siRNA Disorazole DMSO Run3	NM_145160	MAP2K5	mitogen-activated protein kinase 5	0.040927	Inlier
siRNA Disorazole DMSO Run2	NM_145160	MAP2K5	mitogen-activated protein kinase 5	0.569549	Inlier
siRNA-Vinblastine Run2-DMSO	NM_145160	MAP2K5	mitogen-activated protein kinase 5	0.786452	Inlier
siRNA-Vinblastine Run1-DMSO	NM_145160	MAP2K5	mitogen-activated protein kinase 5	1.072086	Inlier
siRNA-Temozolomide Run3-DMSO	NM_031988	MAP2K6	mitogen-activated protein kinase 6	-0.963246	Inlier
siRNA-Temozolomide Run2-DMSO	NM_031988	MAP2K6	mitogen-activated protein kinase 6	-0.801614	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log Fold Change	Outlier Status
siRNA-Temozolomide Run1-DMSO	NM_031988	MAP2K6	mitogen-activated protein kinase 6	-0.546376	Inlier
siRNA Disorazole DMSO Run1	NM_031988	MAP2K6	mitogen-activated protein kinase 6	-0.117076	Inlier
siRNA Disorazole DMSO Run3	NM_031988	MAP2K6	mitogen-activated protein kinase 6	0.117076	Inlier
siRNA Disorazole DMSO Run2	NM_031988	MAP2K6	mitogen-activated protein kinase 6	0.547386	Inlier
siRNA-Vinblastine Run1-DMSO	NM_031988	MAP2K6	mitogen-activated protein kinase 6	1.015946	Inlier
siRNA-Vinblastine Run2-DMSO	NM_031988	MAP2K6	mitogen-activated protein kinase 6	1.06508	Inlier
siRNA Disorazole DMSO Run2	NM_145185	MAP2K7	mitogen-activated protein kinase 7	-3.054744	Inlier
siRNA-Temozolomide Run3-DMSO	NM_145185	MAP2K7	mitogen-activated protein kinase 7	-1.697023	Inlier
siRNA Disorazole DMSO Run3	NM_145185	MAP2K7	mitogen-activated protein kinase 7	-0.67582	Inlier
siRNA-Temozolomide Run2-DMSO	NM_145185	MAP2K7	mitogen-activated protein kinase 7	-0.133481	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_1451 85	MAP2K7	mitogen-activated protein kinase 7	0.133481	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1451 85	MAP2K7	mitogen-activated protein kinase 7	0.16329	Inlier
siRNA Disorazole DMSO Run1	NM_1451 85	MAP2K7	mitogen-activated protein kinase 7	0.67318	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1451 85	MAP2K7	mitogen-activated protein kinase 7	1.716019	Inlier
siRNA-Temozolomide Run3-DMSO	XM_04206 6	MAP3K1	mitogen-activated protein kinase 1	-1.835474	Inlier
siRNA-Temozolomide Run1-DMSO	XM_04206 6	MAP3K1	mitogen-activated protein kinase 1	-1.685503	Inlier
siRNA Disorazole DMSO Run2	XM_04206 6	MAP3K1	mitogen-activated protein kinase 1	-0.161158	Inlier
siRNA-Temozolomide Run2-DMSO	XM_04206 6	MAP3K1	mitogen-activated protein kinase 1	-0.041164	Inlier
siRNA Disorazole DMSO Run1	XM_04206 6	MAP3K1	mitogen-activated protein kinase 1	0.041163	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Value	Outlier Status
siRNA-Vinblastine Run2-DMSO	XM_042066	MAP3K1	mitogen-activated protein kinase kinase 1	0.606316	Inlier
siRNA-Vinblastine Run1-DMSO	XM_042066	MAP3K1	mitogen-activated protein kinase kinase 1	0.742684	Inlier
siRNA Disorazole DMSO Run3	XM_042066	MAP3K1	mitogen-activated protein kinase kinase 1	2.102037	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002446	MAP3K10	mitogen-activated protein kinase kinase 10	-1.661698	Inlier
siRNA Disorazole DMSO Run2	NM_002446	MAP3K10	mitogen-activated protein kinase kinase 10	-0.812799	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002446	MAP3K10	mitogen-activated protein kinase kinase 10	-0.583536	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002446	MAP3K10	mitogen-activated protein kinase kinase 10	-0.11823	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002446	MAP3K10	mitogen-activated protein kinase kinase 10	0.118231	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Gene	Gene	Value	Category
siRNA Disorazole DMSO Run1	46	NM_0024	MAP3K10	kinase 10 mitogen-activated protein kinase	0.212414	Inlier
siRNA Disorazole DMSO Run3	46	NM_0024	MAP3K10	kinase 10 mitogen-activated protein kinase	0.765464	Inlier
siRNA-Vinblastine Run2-DMSO	46	NM_0024	MAP3K10	kinase 10 mitogen-activated protein kinase	1.335959	Inlier
siRNA-Temozolomide Run3-DMSO	19	NM_0024	MAP3K11	kinase 11 mitogen-activated protein kinase	-0.982016	Inlier
siRNA-Vinblastine Run1-DMSO	19	NM_0024	MAP3K11	kinase 11 mitogen-activated protein kinase	-0.676226	Inlier
siRNA-Temozolomide Run2-DMSO	19	NM_0024	MAP3K11	kinase 11 mitogen-activated protein kinase	-0.582153	Inlier
siRNA Disorazole DMSO Run1	19	NM_0024	MAP3K11	kinase 11 mitogen-activated protein kinase	-0.142241	Inlier
siRNA-Temozolomide Run1-DMSO	19	NM_0024	MAP3K11	kinase 11	0.142241	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Accession	Value	Outlier Status
siRNA Disorazole DMSO Run2	NM_0024 19	MAP3K11	kinase 11 mitogen-activated protein kinase	0.672774	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0024 19	MAP3K11	kinase 11 mitogen-activated protein kinase	1.395561	Inlier
siRNA Disorazole DMSO Run3	NM_0024 19	MAP3K11	kinase 11 mitogen-activated protein kinase	2.185581	Inlier
siRNA Disorazole DMSO Run2	NM_0063 01	MAP3K12	kinase 12 mitogen-activated protein kinase	-1.017499	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0063 01	MAP3K12	kinase 12 mitogen-activated protein kinase	-0.750244	Inlier
siRNA Disorazole DMSO Run3	NM_0063 01	MAP3K12	kinase 12 mitogen-activated protein kinase	-0.598756	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0063 01	MAP3K12	kinase 12 mitogen-activated protein kinase	-0.390117	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0063 01	MAP3K12	kinase 12	0.390117	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Accession	Value	Category
siRNA Disorazole DMSO Run1	NM_006301	MAP3K12	kinase 12	0.478627	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006301	MAP3K12	kinase 12	1.137849	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006301	MAP3K12	kinase 12	1.275473	Inlier
siRNA Disorazole DMSO Run2	NM_004721	MAP3K13	kinase 13	-1.519311	Inlier
siRNA Disorazole DMSO Run3	NM_004721	MAP3K13	kinase 13	-0.747885	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004721	MAP3K13	kinase 13	-0.601115	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004721	MAP3K13	kinase 13	-0.127613	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004721	MAP3K13	kinase 13	0.127614	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Accession	Value	Category
siRNA Disorazole DMSO Run1	NM_0047 21	MAP3K13	kinase 13 mitogen-activated protein kinase	0.36188	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0047 21	MAP3K13	kinase 13 mitogen-activated protein kinase	0.940483	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0047 21	MAP3K13	kinase 13 mitogen-activated protein kinase	1.245812	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0039 54	MAP3K14	kinase 14 mitogen-activated protein kinase	-1.322897	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0039 54	MAP3K14	kinase 14 mitogen-activated protein kinase	-0.626623	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0039 54	MAP3K14	kinase 14 mitogen-activated protein kinase	-0.381784	Inlier
siRNA Disorazole DMSO Run3	NM_0039 54	MAP3K14	kinase 14 mitogen-activated protein kinase	-0.033228	Inlier
siRNA Disorazole DMSO Run1	NM_0039 54	MAP3K14	kinase 14	0.033228	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0039 54	MAP3K14	kinase 14 mitogen-activated protein kinase	0.722377	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0039 54	MAP3K14	kinase 14 mitogen-activated protein kinase	1.17602	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0039 54	MAP3K14	kinase 14 mitogen-activated protein kinase	2.657131	Inlier
siRNA Disorazole DMSO Run2	NM_0066 09	MAP3K2	kinase 2 mitogen-activated protein kinase	-0.739997	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0066 09	MAP3K2	kinase 2 mitogen-activated protein kinase	-0.609003	Inlier
siRNA Disorazole DMSO Run3	NM_0066 09	MAP3K2	kinase 2 mitogen-activated protein kinase	-0.57413	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0066 09	MAP3K2	kinase 2 mitogen-activated protein kinase	-0.028363	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0066 09	MAP3K2	kinase 2	0.028363	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_006609	MAP3K2	kinase 2 mitogen-activated protein kinase	1.238449	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006609	MAP3K2	kinase 2 mitogen-activated protein kinase	1.372691	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006609	MAP3K2	kinase 2 mitogen-activated protein kinase	1.64213	Inlier
siRNA-Temozolomide Run3-DMSO	NM_203351	MAP3K3	kinase 3 mitogen-activated protein kinase	-0.732856	Inlier
siRNA-Temozolomide Run1-DMSO	NM_203351	MAP3K3	kinase 3 mitogen-activated protein kinase	-0.708047	Inlier
siRNA-Temozolomide Run2-DMSO	NM_203351	MAP3K3	kinase 3 mitogen-activated protein kinase	-0.344399	Inlier
siRNA Disorazole DMSO Run1	NM_203351	MAP3K3	kinase 3 mitogen-activated protein kinase	-0.281832	Inlier
siRNA-Vinblastine Run1-DMSO	NM_203351	MAP3K3	kinase 3	0.281832	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_2033 51	MAP3K3	mitogen-activated protein kinase kinase 3	0.640953	Inlier
siRNA Disorazole DMSO Run3	NM_2033 51	MAP3K3	mitogen-activated protein kinase kinase 3	0.929329	Inlier
siRNA Disorazole DMSO Run2	NM_2033 51	MAP3K3	mitogen-activated protein kinase kinase 3	1.212743	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0067 24	MAP3K4	mitogen-activated protein kinase kinase 4	-0.94268	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0067 24	MAP3K4	mitogen-activated protein kinase kinase 4	-0.894926	Inlier
siRNA Disorazole DMSO Run1	NM_0067 24	MAP3K4	mitogen-activated protein kinase kinase 4	-0.238677	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0067 24	MAP3K4	mitogen-activated protein kinase kinase 4	-0.196866	Inlier
siRNA Disorazole DMSO Run3	NM_0067 24	MAP3K4	mitogen-activated protein kinase kinase 4	0.196866	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Accession	Category	Value	Outlier Status
siRNA Disorazole DMSO Run2	NM_0067 24	MAP3K4	kinase 4	mitogen-activated protein kinase	0.454074	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0067 24	MAP3K4	kinase 4	mitogen-activated protein kinase	1.021206	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0067 24	MAP3K4	kinase 4	mitogen-activated protein kinase	1.222331	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0059 23	MAP3K5	kinase 5	mitogen-activated protein kinase	-1.747716	Inlier
siRNA Disorazole DMSO Run2	NM_0059 23	MAP3K5	kinase 5	mitogen-activated protein kinase	-1.500867	Inlier
siRNA Disorazole DMSO Run3	NM_0059 23	MAP3K5	kinase 5	mitogen-activated protein kinase	-1.399739	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0059 23	MAP3K5	kinase 5	mitogen-activated protein kinase	-0.173138	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0059 23	MAP3K5	kinase 5	mitogen-activated protein kinase	0.173139	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Accession	Value	Category
siRNA Disorazole DMSO Run1	NM_0059 23	MAP3K5	kinase 5 mitogen-activated protein kinase	0.424015	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0059 23	MAP3K5	kinase 5 mitogen-activated protein kinase	0.466579	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0059 23	MAP3K5	kinase 5 mitogen-activated protein kinase	0.882421	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1453 19	MAP3K6	kinase 6 mitogen-activated protein kinase	-1.940145	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1453 19	MAP3K6	kinase 6 mitogen-activated protein kinase	-1.142532	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1453 19	MAP3K6	kinase 6 mitogen-activated protein kinase	-0.281398	Inlier
siRNA Disorazole DMSO Run2	NM_1453 19	MAP3K6	kinase 6 mitogen-activated protein kinase	-0.032677	Inlier
siRNA Disorazole DMSO Run1	NM_1453 19	MAP3K6	kinase 6	0.032677	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	siRNA	siRNA	siRNA	siRNA	siRNA	siRNA	siRNA	siRNA
siRNA Disorazole	DMSO	Run3	19	NM_1453	MAP3K6	kinase 6	0.181664	Inlier
siRNA-Vinblastine	Run2-	DMSO	19	NM_1453	MAP3K6	kinase 6	1.067602	Inlier
siRNA-Vinblastine	Run1-	DMSO	19	NM_1453	MAP3K6	kinase 6	1.262879	Inlier
siRNA Disorazole	DMSO	Run2	33	NM_1453	MAP3K7	kinase 7	-1.771412	Inlier
siRNA Disorazole	DMSO	Run3	33	NM_1453	MAP3K7	kinase 7	-0.841103	Inlier
siRNA-Temozolomide	Run2-	DMSO	33	NM_1453	MAP3K7	kinase 7	-0.507897	Inlier
siRNA-Temozolomide	Run3-	DMSO	33	NM_1453	MAP3K7	kinase 7	-0.304251	Inlier
siRNA Disorazole	DMSO	Run1	33	NM_1453	MAP3K7	kinase 7	0.304251	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_145333	MAP3K7	mitogen-activated protein kinase kinase 7	0.451454	Inlier
siRNA-Vinblastine Run1-DMSO	NM_145333	MAP3K7	mitogen-activated protein kinase kinase 7	1.158008	Inlier
siRNA-Vinblastine Run2-DMSO	NM_145333	MAP3K7	mitogen-activated protein kinase kinase 7	1.808801	Inlier
siRNA-Temozolomide Run3-DMSO	NM_153497	MAP3K7IP1	mitogen-activated protein kinase kinase 7 interacting protein 1	-2.329214	Inlier
siRNA-Temozolomide Run2-DMSO	NM_153497	MAP3K7IP1	mitogen-activated protein kinase kinase 7 interacting protein 1	-0.608764	Inlier
siRNA-Temozolomide Run1-DMSO	NM_153497	MAP3K7IP1	mitogen-activated protein kinase kinase 7 interacting protein 1	-0.601706	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1534 97	MAP3K7IP 1	mitogen-activated protein kinase kinase kinase 7 interacting protein 1	-0.50911	Inlier
siRNA Disorazole DMSO Run2	NM_1534 97	MAP3K7IP 1	mitogen-activated protein kinase kinase kinase 7 interacting protein 1	0.509111	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1534 97	MAP3K7IP 1	mitogen-activated protein kinase kinase kinase 7 interacting protein 1	0.740235	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1534 97	MAP3K7IP 1	mitogen-activated protein kinase kinase kinase 7 interacting protein 1	1.032055	Inlier
siRNA Disorazole DMSO Run3	NM_1534 97	MAP3K7IP 1	mitogen-activated protein kinase kinase kinase 7 interacting protein 1	5.326671	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_1453 42	MAP3K7IP 2	mitogen-activated protein kinase kinase 7 interacting protein 2	-1.4511	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1453 42	MAP3K7IP 2	mitogen-activated protein kinase kinase 7 interacting protein 2	-0.686806	Inlier
siRNA Disorazole DMSO Run2	NM_1453 42	MAP3K7IP 2	mitogen-activated protein kinase kinase 7 interacting protein 2	-0.647855	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1453 42	MAP3K7IP 2	mitogen-activated protein kinase kinase 7 interacting protein 2	-0.274988	Inlier
siRNA Disorazole DMSO Run1	NM_1453 42	MAP3K7IP 2	mitogen-activated protein kinase kinase 7 interacting protein 2	0.274988	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_1453 42	MAP3K7IP 2	mitogen-activated protein kinase kinase 7 interacting protein 2	0.662194	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1453 42	MAP3K7IP 2	mitogen-activated protein kinase kinase 7 interacting protein 2	0.967854	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1453 42	MAP3K7IP 2	mitogen-activated protein kinase kinase 7 interacting protein 2	1.334995	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0052 04	MAP3K8	mitogen-activated protein kinase kinase 8	-1.019567	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0052 04	MAP3K8	mitogen-activated protein kinase kinase 8	-0.797062	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0052 04	MAP3K8	mitogen-activated protein kinase kinase 8	-0.086715	Inlier
siRNA Disorazole DMSO Run1	NM_0052 04	MAP3K8	mitogen-activated protein kinase kinase 8	-0.052393	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Condition	Run	Gene	Accession	Protein	Value	Type
siRNA Disorazole	DMSO	Run3	MAP3K8	NM_005204	kinase 8 mitogen-activated protein kinase	0.052393	Inlier
siRNA Disorazole	DMSO	Run2	MAP3K8	NM_005204	kinase 8 mitogen-activated protein kinase	0.551938	Inlier
siRNA-Vinblastine	DMSO	Run2-	MAP3K8	NM_005204	kinase 8 mitogen-activated protein kinase	1.117643	Inlier
siRNA-Vinblastine	DMSO	Run1-	MAP3K8	NM_005204	kinase 8 mitogen-activated protein kinase	2.046291	Inlier
siRNA-Temozolomide	DMSO	Run3-	MAP3K9	NM_033141	kinase 9 mitogen-activated protein kinase	-0.753942	Inlier
siRNA-Temozolomide	DMSO	Run2-	MAP3K9	NM_033141	kinase 9 mitogen-activated protein kinase	-0.753941	Inlier
siRNA-Temozolomide	DMSO	Run1-	MAP3K9	NM_033141	kinase 9 mitogen-activated protein kinase	-0.595059	Inlier
siRNA Disorazole	DMSO	Run2	MAP3K9	NM_033141	kinase 9	-0.412943	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0331 41	MAP3K9	kinase 9 mitogen-activated protein kinase	0.412943	Inlier
siRNA Disorazole DMSO Run1	NM_0331 41	MAP3K9	kinase 9 mitogen-activated protein kinase	0.580594	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0331 41	MAP3K9	kinase 9 mitogen-activated protein kinase	0.924261	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0331 41	MAP3K9	kinase 9 mitogen-activated protein kinase	1.06771	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0071 81	MAP4K1	kinase 1 mitogen-activated protein kinase	-1.074121	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0071 81	MAP4K1	kinase 1 mitogen-activated protein kinase	-0.999255	Inlier
siRNA Disorazole DMSO Run1	NM_0071 81	MAP4K1	kinase 1 mitogen-activated protein kinase	-0.32121	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0071 81	MAP4K1	kinase 1	-0.169035	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0071 81	MAP4K1	kinase 1 mitogen-activated protein kinase kinase kinase	0.169034	Inlier
siRNA Disorazole DMSO Run3	NM_0071 81	MAP4K1	kinase 1 mitogen-activated protein kinase kinase kinase	0.349745	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0071 81	MAP4K1	kinase 1 mitogen-activated protein kinase kinase kinase	1.486921	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0071 81	MAP4K1	kinase 1 mitogen-activated protein kinase kinase kinase	1.971021	Inlier
siRNA Disorazole DMSO Run2	NM_0045 79	MAP4K2	kinase 2 mitogen-activated protein kinase kinase kinase	-2.162781	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0045 79	MAP4K2	kinase 2 mitogen-activated protein kinase kinase kinase	-1.008992	Inlier
siRNA Disorazole DMSO Run1	NM_0045 79	MAP4K2	kinase 2	-0.340008	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log Fold Change	Outlier Status
siRNA Disorazole DMSO Run3	NM_004579	MAP4K2	mitogen-activated protein kinase kinase kinase 2	-0.048714	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004579	MAP4K2	mitogen-activated protein kinase kinase kinase 2	0.048714	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004579	MAP4K2	mitogen-activated protein kinase kinase kinase 2	0.071222	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004579	MAP4K2	mitogen-activated protein kinase kinase kinase 2	1.728913	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004579	MAP4K2	mitogen-activated protein kinase kinase kinase 2	4.801328	Outlier
siRNA-Temozolomide Run3-DMSO	NM_003618	MAP4K3	mitogen-activated protein kinase kinase kinase 3	-1.287003	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003618	MAP4K3	mitogen-activated protein kinase kinase kinase 3	-0.355868	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0036 18	MAP4K3	kinase 3 mitogen-activated protein kinase kinase kinase	-0.095937	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0036 18	MAP4K3	kinase 3 mitogen-activated protein kinase kinase kinase	-0.049749	Inlier
siRNA Disorazole DMSO Run1	NM_0036 18	MAP4K3	kinase 3 mitogen-activated protein kinase kinase kinase	0.049749	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0036 18	MAP4K3	kinase 3 mitogen-activated protein kinase kinase kinase	0.993132	Inlier
siRNA Disorazole DMSO Run3	NM_0036 18	MAP4K3	kinase 3 mitogen-activated protein kinase kinase kinase	1.318462	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0036 18	MAP4K3	kinase 3 mitogen-activated protein kinase kinase kinase	2.444143	Inlier
siRNA Disorazole DMSO Run2	NM_1456 87	MAP4K4	kinase 4	-7.088983	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Gene ID	Gene Name	Gene Description	Log Fold Change	Outlier Status
siRNA Disorazole DMSO Run3	NM_1456	87	MAP4K4	kinase 4 mitogen-activated protein kinase kinase kinase	-2.900227	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1456	87	MAP4K4	kinase 4 mitogen-activated protein kinase kinase kinase	-0.574601	Inlier
siRNA Disorazole DMSO Run1	NM_1456	87	MAP4K4	kinase 4 mitogen-activated protein kinase kinase kinase	-0.096804	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1456	87	MAP4K4	kinase 4 mitogen-activated protein kinase kinase kinase	0.096806	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1456	87	MAP4K4	kinase 4 mitogen-activated protein kinase kinase kinase	0.301756	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1456	87	MAP4K4	kinase 4 mitogen-activated protein kinase kinase kinase	0.774399	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1456	87	MAP4K4	kinase 4 mitogen-activated protein kinase kinase kinase	1.308908	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log Fold Change	Outlier Status
siRNA-Temozolomide Run1-DMSO	NM_198794	MAP4K5	mitogen-activated protein kinase kinase kinase 5	-1.633066	Inlier
siRNA-Temozolomide Run3-DMSO	NM_198794	MAP4K5	mitogen-activated protein kinase kinase kinase 5	-0.410266	Inlier
siRNA Disorazole DMSO Run1	NM_198794	MAP4K5	mitogen-activated protein kinase kinase kinase 5	-0.319839	Inlier
siRNA-Temozolomide Run2-DMSO	NM_198794	MAP4K5	mitogen-activated protein kinase kinase kinase 5	-0.147356	Inlier
siRNA Disorazole DMSO Run3	NM_198794	MAP4K5	mitogen-activated protein kinase kinase kinase 5	0.147357	Inlier
siRNA Disorazole DMSO Run2	NM_198794	MAP4K5	mitogen-activated protein kinase kinase kinase 5	0.938734	Inlier
siRNA-Vinblastine Run1-DMSO	NM_198794	MAP4K5	mitogen-activated protein kinase kinase kinase 5	0.97587	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Value	Outlier Status
siRNA-Vinblastine Run2-DMSO	NM_198794	MAP4K5	mitogen-activated protein kinase kinase 5	1.034772	Inlier
siRNA-Temozolomide Run3-DMSO	NM_138957	MAPK1	mitogen-activated protein kinase 1	-0.831811	Inlier
siRNA-Temozolomide Run2-DMSO	NM_138957	MAPK1	mitogen-activated protein kinase 1	-0.517189	Inlier
siRNA-Temozolomide Run1-DMSO	NM_138957	MAPK1	mitogen-activated protein kinase 1	-0.377823	Inlier
siRNA Disorazole DMSO Run3	NM_138957	MAPK1	mitogen-activated protein kinase 1	-0.339258	Inlier
siRNA Disorazole DMSO Run1	NM_138957	MAPK1	mitogen-activated protein kinase 1	0.339258	Inlier
siRNA-Vinblastine Run2-DMSO	NM_138957	MAPK1	mitogen-activated protein kinase 1	1.183099	Inlier
siRNA-Vinblastine Run1-DMSO	NM_138957	MAPK1	mitogen-activated protein kinase 1	1.522558	Inlier
siRNA Disorazole DMSO Run2	NM_138957	MAPK1	mitogen-activated protein kinase 1	1.613683	Inlier
siRNA-Temozolomide Run3-DMSO	NM_138982	MAPK10	mitogen-activated protein kinase 10	-0.766656	Inlier
siRNA-Temozolomide Run2-DMSO	NM_138982	MAPK10	mitogen-activated protein kinase 10	-0.582344	Inlier
siRNA Disorazole DMSO Run3	NM_138982	MAPK10	mitogen-activated protein kinase 10	-0.444452	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Value	Category
siRNA-Temozolomide Run1-DMSO	NM_1389 82	MAPK10	mitogen-activated protein kinase 10	-0.245359	Inlier
siRNA Disorazole DMSO Run1	NM_1389 82	MAPK10	mitogen-activated protein kinase 10	0.245359	Inlier
siRNA Disorazole DMSO Run2	NM_1389 82	MAPK10	mitogen-activated protein kinase 10	0.852528	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1389 82	MAPK10	mitogen-activated protein kinase 10	0.946984	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1389 82	MAPK10	mitogen-activated protein kinase 10	1.240977	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0027 51	MAPK11	mitogen-activated protein kinase 11	-1.250271	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0027 51	MAPK11	mitogen-activated protein kinase 11	-0.761898	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0027 51	MAPK11	mitogen-activated protein kinase 11	-0.555173	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0027 51	MAPK11	mitogen-activated protein kinase 11	-0.080449	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0027 51	MAPK11	mitogen-activated protein kinase 11	0.080448	Inlier
siRNA Disorazole DMSO Run1	NM_0027 51	MAPK11	mitogen-activated protein kinase 11	0.587102	Inlier
siRNA Disorazole DMSO Run3	NM_0027 51	MAPK11	mitogen-activated protein kinase 11	1.956368	Inlier
siRNA Disorazole DMSO Run2	NM_0027 51	MAPK11	mitogen-activated protein kinase 11	3.889143	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log Fold Change	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_002969	MAPK12	mitogen-activated protein kinase 12	-2.134958	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002969	MAPK12	mitogen-activated protein kinase 12	-1.666998	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002969	MAPK12	mitogen-activated protein kinase 12	-1.369916	Inlier
siRNA Disorazole DMSO Run1	NM_002969	MAPK12	mitogen-activated protein kinase 12	-0.351755	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002969	MAPK12	mitogen-activated protein kinase 12	0.351755	Inlier
siRNA Disorazole DMSO Run3	NM_002969	MAPK12	mitogen-activated protein kinase 12	0.412894	Inlier
siRNA Disorazole DMSO Run2	NM_002969	MAPK12	mitogen-activated protein kinase 12	0.500545	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002969	MAPK12	mitogen-activated protein kinase 12	0.848455	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002754	MAPK13	mitogen-activated protein kinase 13	-1.065852	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002754	MAPK13	mitogen-activated protein kinase 13	-0.852045	Inlier
siRNA Disorazole DMSO Run3	NM_002754	MAPK13	mitogen-activated protein kinase 13	-0.677136	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002754	MAPK13	mitogen-activated protein kinase 13	-0.054884	Inlier
siRNA Disorazole DMSO Run2	NM_002754	MAPK13	mitogen-activated protein kinase 13	0.054883	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0027 54	MAPK13	mitogen-activated protein kinase 13	0.257429	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0027 54	MAPK13	mitogen-activated protein kinase 13	0.671864	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0027 54	MAPK13	mitogen-activated protein kinase 13	2.727085	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1390 13	MAPK14	mitogen-activated protein kinase 14	-1.2185	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1390 13	MAPK14	mitogen-activated protein kinase 14	-1.042293	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1390 13	MAPK14	mitogen-activated protein kinase 14	-0.725718	Inlier
siRNA Disorazole DMSO Run3	NM_1390 13	MAPK14	mitogen-activated protein kinase 14	-0.099437	Inlier
siRNA Disorazole DMSO Run1	NM_1390 13	MAPK14	mitogen-activated protein kinase 14	0.099436	Inlier
siRNA Disorazole DMSO Run2	NM_1390 13	MAPK14	mitogen-activated protein kinase 14	0.123476	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1390 13	MAPK14	mitogen-activated protein kinase 14	0.623282	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1390 13	MAPK14	mitogen-activated protein kinase 14	0.919441	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0027 46	MAPK3	mitogen-activated protein kinase 3	-0.828525	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0027 46	MAPK3	mitogen-activated protein kinase 3	-0.738541	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0027 46	MAPK3	mitogen-activated protein kinase 3	-0.333361	Inlier
siRNA Disorazole DMSO Run3	NM_0027 46	MAPK3	mitogen-activated protein kinase 3	-0.159453	Inlier
siRNA Disorazole DMSO Run1	NM_0027 46	MAPK3	mitogen-activated protein kinase 3	0.159453	Inlier
siRNA Disorazole DMSO Run2	NM_0027 46	MAPK3	mitogen-activated protein kinase 3	0.610459	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0027 46	MAPK3	mitogen-activated protein kinase 3	0.918628	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0027 46	MAPK3	mitogen-activated protein kinase 3	1.083729	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0027 47	MAPK4	mitogen-activated protein kinase 4	-1.148354	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0027 47	MAPK4	mitogen-activated protein kinase 4	-0.698566	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0027 47	MAPK4	mitogen-activated protein kinase 4	-0.204938	Inlier
siRNA Disorazole DMSO Run3	NM_0027 47	MAPK4	mitogen-activated protein kinase 4	-0.000395	Inlier
siRNA Disorazole DMSO Run2	NM_0027 47	MAPK4	mitogen-activated protein kinase 4	0.000395	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0027 47	MAPK4	mitogen-activated protein kinase 4	0.650434	Inlier
siRNA Disorazole DMSO Run1	NM_0027 47	MAPK4	mitogen-activated protein kinase 4	0.728565	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0027 47	MAPK4	mitogen-activated protein kinase 4	1.99569 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0027 48	MAPK6	mitogen-activated protein kinase 6	-0.81747 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0027 48	MAPK6	mitogen-activated protein kinase 6	-0.809731 Inlier
siRNA Disorazole DMSO Run3	NM_0027 48	MAPK6	mitogen-activated protein kinase 6	-0.378118 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0027 48	MAPK6	mitogen-activated protein kinase 6	-0.169318 Inlier
siRNA Disorazole DMSO Run1	NM_0027 48	MAPK6	mitogen-activated protein kinase 6	0.169318 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0027 48	MAPK6	mitogen-activated protein kinase 6	0.539269 Inlier
siRNA Disorazole DMSO Run2	NM_0027 48	MAPK6	mitogen-activated protein kinase 6	1.785423 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0027 48	MAPK6	mitogen-activated protein kinase 6	2.020005 Inlier
siRNA-Temozolomide Run3-DMSO	NM_1390 32	MAPK7	mitogen-activated protein kinase 7	-1.924873 Inlier
siRNA-Temozolomide Run2-DMSO	NM_1390 32	MAPK7	mitogen-activated protein kinase 7	-1.359833 Inlier
siRNA-Temozolomide Run1-DMSO	NM_1390 32	MAPK7	mitogen-activated protein kinase 7	-0.69634 Inlier
siRNA Disorazole DMSO Run2	NM_1390 32	MAPK7	mitogen-activated protein kinase 7	-0.0529 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Gene ID	Gene Name	Protein Name	Value	Category
siRNA Disorazole DMSO Run1	NM_1390	32	MAPK7	mitogen-activated protein kinase 7	0.0529	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1390	32	MAPK7	mitogen-activated protein kinase 7	0.637681	Inlier
siRNA Disorazole DMSO Run3	NM_1390	32	MAPK7	mitogen-activated protein kinase 7	0.65266	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1390	32	MAPK7	mitogen-activated protein kinase 7	1.105337	Inlier
siRNA Disorazole DMSO Run2	NM_0027	50	MAPK8	mitogen-activated protein kinase 8	-1.052472	Inlier
siRNA Disorazole DMSO Run3	NM_0027	50	MAPK8	mitogen-activated protein kinase 8	-0.828878	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0027	50	MAPK8	mitogen-activated protein kinase 8	-0.624148	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0027	50	MAPK8	mitogen-activated protein kinase 8	-0.248581	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0027	50	MAPK8	mitogen-activated protein kinase 8	0.248581	Inlier
siRNA Disorazole DMSO Run1	NM_0027	50	MAPK8	mitogen-activated protein kinase 8	0.633979	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0027	50	MAPK8	mitogen-activated protein kinase 8	0.715021	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0027	50	MAPK8	mitogen-activated protein kinase 8	2.017705	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_005456	MAPK8IP1	mitogen-activated protein kinase 8 interacting protein 1	-1.495051	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005456	MAPK8IP1	mitogen-activated protein kinase 8 interacting protein 1	-0.579009	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005456	MAPK8IP1	mitogen-activated protein kinase 8 interacting protein 1	-0.515538	Inlier
siRNA Disorazole DMSO Run2	NM_005456	MAPK8IP1	mitogen-activated protein kinase 8 interacting protein 1	-0.116514	Inlier
siRNA Disorazole DMSO Run1	NM_005456	MAPK8IP1	mitogen-activated protein kinase 8 interacting protein 1	0.116514	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005456	MAPK8IP1	mitogen-activated protein kinase 8 interacting protein 1	0.769991	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005456	MAPK8IP1	mitogen-activated protein kinase 8 interacting protein 1	0.81332	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0054 56	MAPK8IP1	mitogen-activated protein kinase 8 interacting protein 1	1.497456	Inlier
siRNA Disorazole DMSO Run2	NM_0123 24	MAPK8IP2	mitogen-activated protein kinase 8 interacting protein 2	-1.502978	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0123 24	MAPK8IP2	mitogen-activated protein kinase 8 interacting protein 2	-1.189788	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0123 24	MAPK8IP2	mitogen-activated protein kinase 8 interacting protein 2	-0.286312	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0123 24	MAPK8IP2	mitogen-activated protein kinase 8 interacting protein 2	-0.018048	Inlier
siRNA Disorazole DMSO Run1	NM_0123 24	MAPK8IP2	mitogen-activated protein kinase 8 interacting protein 2	0.018048	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0123 24	MAPK8IP2	mitogen-activated protein kinase 8 interacting protein 2	0.295905	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0123 24	MAPK8IP2	mitogen-activated protein kinase 8 interacting protein 2	1.053095	Inlier
siRNA Disorazole DMSO Run3	NM_0123 24	MAPK8IP2	mitogen-activated protein kinase 8 interacting protein 2	1.249118	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0151 33	MAPK8IP3	mitogen-activated protein kinase 8 interacting protein 3	-1.024878	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0151 33	MAPK8IP3	mitogen-activated protein kinase 8 interacting protein 3	-0.737201	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0151 33	MAPK8IP3	mitogen-activated protein kinase 8 interacting protein 3	-0.611799	Inlier
siRNA Disorazole DMSO Run2	NM_0151 33	MAPK8IP3	mitogen-activated protein kinase 8 interacting protein 3	-0.053773	Inlier
siRNA Disorazole DMSO Run1	NM_0151 33	MAPK8IP3	mitogen-activated protein kinase 8 interacting protein 3	0.053773	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0151 33	MAPK8IP3	mitogen-activated protein kinase 8 interacting protein 3	0.528951	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0151 33	MAPK8IP3	mitogen-activated protein kinase 8 interacting protein 3	0.851515	Inlier
siRNA Disorazole DMSO Run3	NM_0151 33	MAPK8IP3	mitogen-activated protein kinase 8 interacting protein 3	1.081007	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0027 52	MAPK9	mitogen-activated protein kinase 9	-2.462051	Inlier
siRNA Disorazole DMSO Run1	NM_0027 52	MAPK9	mitogen-activated protein kinase 9	-0.725997	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0027 52	MAPK9	mitogen-activated protein kinase 9	-0.623003	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0027 52	MAPK9	mitogen-activated protein kinase 9	-0.380576	Inlier
siRNA Disorazole DMSO Run2	NM_0027 52	MAPK9	mitogen-activated protein kinase 9	0.380577	Inlier
siRNA Disorazole DMSO Run3	NM_0027 52	MAPK9	mitogen-activated protein kinase 9	0.527545	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0027 52	MAPK9	mitogen-activated protein kinase 9	2.086522	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_002752	MAPK9	mitogen-activated protein kinase 9	4.064561	Outlier
siRNA-Temozolomide Run3-DMSO	NM_024117	MAPKAP1	mitogen-activated protein kinase associated protein 1	-1.044326	Inlier
siRNA-Temozolomide Run1-DMSO	NM_024117	MAPKAP1	mitogen-activated protein kinase associated protein 1	-0.835756	Inlier
siRNA Disorazole DMSO Run2	NM_024117	MAPKAP1	mitogen-activated protein kinase associated protein 1	-0.651349	Inlier
siRNA Disorazole DMSO Run1	NM_024117	MAPKAP1	mitogen-activated protein kinase associated protein 1	-0.04862	Inlier
siRNA-Temozolomide Run2-DMSO	NM_024117	MAPKAP1	mitogen-activated protein kinase associated protein 1	0.04862	Inlier
siRNA Disorazole DMSO Run3	NM_024117	MAPKAP1	mitogen-activated protein kinase associated protein 1	0.562175	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0241 17	MAPKAP1	mitogen-activated protein kinase associated protein 1	0.697651	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0241 17	MAPKAP1	mitogen-activated protein kinase associated protein 1	0.80088	Inlier
siRNA Disorazole DMSO Run2	NM_0329 60	MAPKAPK2	mitogen-activated protein kinase-activated protein kinase 2	-0.718402	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0329 60	MAPKAPK2	mitogen-activated protein kinase-activated protein kinase 2	-0.630598	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0329 60	MAPKAPK2	mitogen-activated protein kinase-activated protein kinase 2	-0.512706	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0329 60	MAPKAPK2	mitogen-activated protein kinase-activated protein kinase 2	-0.133649	Inlier
siRNA Disorazole DMSO Run3	NM_0329 60	MAPKAPK2	mitogen-activated protein kinase 2	0.13365	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Score	Outlier Status
siRNA-Temozolomide Run1-DMSO	NM_0329 60	MAPKAPK 2	mitogen-activated protein kinase-activated protein kinase 2	0.881641	Inlier
siRNA Disorazole DMSO Run1	NM_0329 60	MAPKAPK 2	mitogen-activated protein kinase-activated protein kinase 2	2.426384	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0329 60	MAPKAPK 2	mitogen-activated protein kinase-activated protein kinase 2	3.137349	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0046 35	MAPKAPK 3	mitogen-activated protein kinase-activated protein kinase 3	-0.962141	Inlier
siRNA Disorazole DMSO Run2	NM_0046 35	MAPKAPK 3	mitogen-activated protein kinase-activated protein kinase 3	-0.386859	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0046 35	MAPKAPK 3	mitogen-activated protein kinase-activated protein kinase 3	-0.317524	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0046 35	MAPKAPK 3	mitogen-activated protein kinase-activated protein kinase 3	-0.227342	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Value	Outlier Status
siRNA-Vinblastine Run1-DMSO	NM_004635	MAPKAPK3	mitogen-activated protein kinase 3	0.227343	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004635	MAPKAPK3	mitogen-activated protein kinase 3	1.143692	Inlier
siRNA Disorazole DMSO Run3	NM_004635	MAPKAPK3	mitogen-activated protein kinase 3	1.486139	Inlier
siRNA Disorazole DMSO Run1	NM_004635	MAPKAPK3	mitogen-activated protein kinase 3	2.136666	Inlier
siRNA Disorazole DMSO Run2	NM_139078	MAPKAPK5	mitogen-activated protein kinase 5	-1.349234	Inlier
siRNA-Temozolomide Run3-DMSO	NM_139078	MAPKAPK5	mitogen-activated protein kinase 5	-1.044069	Inlier
siRNA-Temozolomide Run2-DMSO	NM_139078	MAPKAPK5	mitogen-activated protein kinase 5	-0.042435	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_1390 78	MAPKAPK 5	mitogen-activated protein kinase-activated protein kinase 5	-0.027347	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1390 78	MAPKAPK 5	mitogen-activated protein kinase-activated protein kinase 5	0.027347	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1390 78	MAPKAPK 5	mitogen-activated protein kinase-activated protein kinase 5	0.452518	Inlier
siRNA Disorazole DMSO Run1	NM_1390 78	MAPKAPK 5	mitogen-activated protein kinase-activated protein kinase 5	0.896482	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1390 78	MAPKAPK 5	mitogen-activated protein kinase-activated protein kinase 5	1.2459	Inlier
siRNA Disorazole DMSO Run2	NM_0023 56	MARCKS	myristoylated alanine-rich protein kinase C substrate	-6.815941	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0023 56	MARCKS	myristoylated alanine-rich protein kinase C substrate	-0.640122	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_002356	MARCKS	myristoylated alanine-rich protein kinase C substrate	-0.625873	Inlier
siRNA Disorazole DMSO Run1	NM_002356	MARCKS	myristoylated alanine-rich protein kinase C substrate	-0.387579	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002356	MARCKS	myristoylated alanine-rich protein kinase C substrate	0.387579	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002356	MARCKS	myristoylated alanine-rich protein kinase C substrate	0.708878	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002356	MARCKS	myristoylated alanine-rich protein kinase C substrate	1.439131	Inlier
siRNA Disorazole DMSO Run3	NM_002356	MARCKS	myristoylated alanine-rich protein kinase C substrate	3.407505	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006770	MARCO	macrophage receptor with collagenous structure	-1.958088	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0067 70	MARCO	macrophage receptor with collagenous structure	-0.809907	Inlier
siRNA Disorazole DMSO Run3	NM_0067 70	MARCO	macrophage receptor with collagenous structure	-0.325675	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0067 70	MARCO	macrophage receptor with collagenous structure	-0.186413	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0067 70	MARCO	macrophage receptor with collagenous structure	0.186412	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0067 70	MARCO	macrophage receptor with collagenous structure	0.539093	Inlier
siRNA Disorazole DMSO Run2	NM_0067 70	MARCO	macrophage receptor with collagenous structure	1.146881	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0067 70	MARCO	macrophage receptor with collagenous structure	2.331752	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0186 50	MARK1	MAP/mic otubule affinity- regulating kinase 1	-3.319991	Inlier
siRNA Disorazole DMSO Run3	NM_0186 50	MARK1	MAP/mic otubule affinity- regulating kinase 1	-0.730503	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0186 50	MARK1	MAP/mic otubule affinity- regulating kinase 1	-0.618497	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0186 50	MARK1	MAP/mic otubule affinity- regulating kinase 1	-0.001379	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0186 50	MARK1	MAP/mic otubule affinity- regulating kinase 1	0.001379	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0186 50	MARK1	MAP/mic otubule affinity- regulating kinase 1	0.088529	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0186 50	MARK1	MAP/mic otubule affinity- regulating kinase 1	0.932583	Inlier
siRNA Disorazole DMSO Run1	NM_0186 50	MARK1	MAP/mic otubule affinity- regulating kinase 1	1.790192	Inlier
siRNA Disorazole DMSO Run2	NM_0174 90	MARK2	MAP/mic otubule affinity- regulating kinase 2	-0.702933	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0174 90	MARK2	MAP/mic otubule affinity- regulating kinase 2	-0.646067	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	MAP/mic otubule affinity- regulating kinase 2	Value	Inlier
siRNA Disorazole DMSO Run3	NM_0174 90	MARK2	MAP/mic otubule affinity- regulating kinase 2	-0.50116	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0174 90	MARK2	MAP/mic otubule affinity- regulating kinase 2	-0.127969	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0174 90	MARK2	MAP/mic otubule affinity- regulating kinase 2	0.127969	Inlier
siRNA Disorazole DMSO Run1	NM_0174 90	MARK2	MAP/mic otubule affinity- regulating kinase 2	1.172093	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0174 90	MARK2	MAP/mic otubule affinity- regulating kinase 2	1.759866	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0174 90	MARK2	MAP/mic otubule affinity- regulating kinase 2	2.785424	Inlier
siRNA Disorazole DMSO Run2	NM_0023 76	MARK3	MAP/mic otubule affinity- regulating kinase 3	-1.218338	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0023 76	MARK3	MAP/mic otubule affinity- regulating kinase 3	-0.681767	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0023 76	MARK3	MAP/mic otubule affinity- regulating kinase 3	-0.667233	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0023 76	MARK3	MAP/mic otubule affinity- regulating kinase 3	-0.183735	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Gene ID	Gene Name	MAP/mic otubule affinity- regulating kinase 3	Value	Inlier
siRNA Disorazole DMSO Run1	NM_0023	76	MARK3	MAP/mic otubule affinity- regulating kinase 3	0.183736	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0023	76	MARK3	MAP/mic otubule affinity- regulating kinase 3	0.495487	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0023	76	MARK3	MAP/mic otubule affinity- regulating kinase 3	0.731356	Inlier
siRNA Disorazole DMSO Run3	NM_0023	76	MARK3	MAP/mic otubule affinity- regulating kinase 3	1.103947	Inlier
siRNA Disorazole DMSO Run2	NM_0314	17	MARK4	MAP/mic otubule affinity- regulating kinase 4	-0.761926	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0314	17	MARK4	MAP/mic otubule affinity- regulating kinase 4	-0.587074	Inlier
siRNA Disorazole DMSO Run3	NM_0314	17	MARK4	MAP/mic otubule affinity- regulating kinase 4	-0.258136	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0314	17	MARK4	MAP/mic otubule affinity- regulating kinase 4	-0.174751	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0314	17	MARK4	MAP/mic otubule affinity- regulating kinase 4	0.174751	Inlier
siRNA Disorazole DMSO Run1	NM_0314	17	MARK4	MAP/mic otubule affinity- regulating kinase 4	1.004671	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0314 17	MARK4	MAP/microtubule affinity-regulating kinase 4	1.496436	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0314 17	MARK4	MAP/microtubule affinity-regulating kinase 4	2.427901	Inlier
siRNA Disorazole DMSO Run1	NM_0049 90	MARS	methionin e-tRNA synthetase	-1.225094	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0049 90	MARS	methionin e-tRNA synthetase	-0.619611	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0049 90	MARS	methionin e-tRNA synthetase	-0.512667	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0049 90	MARS	methionin e-tRNA synthetase	-0.272147	Inlier
siRNA Disorazole DMSO Run3	NM_0049 90	MARS	methionin e-tRNA synthetase	0.272148	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0049 90	MARS	methionin e-tRNA synthetase	0.729389	Inlier
siRNA Disorazole DMSO Run2	NM_0049 90	MARS	methionin e-tRNA synthetase	0.768359	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0049 90	MARS	methionin e-tRNA synthetase	1.402759	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0023 77	MAS1	MAS1 oncogene	-1.885971	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0023 77	MAS1	MAS1 oncogene	-1.19247	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0023 77	MAS1	MAS1 oncogene	-1.188606	Inlier
siRNA Disorazole DMSO Run2	NM_0023 77	MAS1	MAS1 oncogene	-0.064756	Inlier
siRNA Disorazole DMSO Run1	NM_0023 77	MAS1	MAS1 oncogene	0.064757	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_0023		MAS1		
siRNA Disorazole DMSO Run3	77	MAS1	oncogene	0.390915	Inlier
siRNA-Vinblastine Run2-	NM_0023		MAS1		
DMSO	77	MAS1	oncogene	0.575388	Inlier
siRNA-Vinblastine Run1-	NM_0023		MAS1		
DMSO	77	MAS1	oncogene	0.773612	Inlier
siRNA-Temozolomide Run3-	NM_0529		oncogene-		
DMSO	67	MAS1L	like	-0.957132	Inlier
siRNA Disorazole DMSO Run2	NM_0529		oncogene-		
	67	MAS1L	like	-0.768506	Inlier
siRNA-Temozolomide Run2-	NM_0529		oncogene-		
DMSO	67	MAS1L	like	-0.469335	Inlier
siRNA Disorazole DMSO Run3	NM_0529		oncogene-		
	67	MAS1L	like	-0.189113	Inlier
siRNA-Temozolomide Run1-	NM_0529		oncogene-		
DMSO	67	MAS1L	like	0.189113	Inlier
siRNA Disorazole DMSO Run1	NM_0529		oncogene-		
	67	MAS1L	like	0.580494	Inlier
siRNA-Vinblastine Run2-	NM_0529		oncogene-		
DMSO	67	MAS1L	like	1.283886	Inlier
siRNA-Vinblastine Run1-	NM_0529		oncogene-		
DMSO	67	MAS1L	like	1.417683	Inlier
siRNA-Temozolomide Run2-	NM_0018		mannan-		
DMSO	79	MASP1	binding		
			lectin		
			serine		
			protease 1		
			(C4/C2		
			activating		
			componen		
			t of Ra-		
			reactive		
			factor)	-0.994287	Inlier
			mannan-		
			binding		
			lectin		
			serine		
			protease 1		
			(C4/C2		
			activating		
			componen		
			t of Ra-		
			reactive		
			factor)	-0.946288	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Log2 Fold Change	Outlier Status
siRNA Disorazole DMSO Run2	NM_001879	MASP1	-0.602396	Inlier
siRNA Disorazole DMSO Run3	NM_001879	MASP1	-0.245042	Inlier
siRNA Disorazole DMSO Run1	NM_001879	MASP1	0.245042	Inlier
siRNA-Temozolomide DMSO Run1	NM_001879	MASP1	0.458071	Inlier

mannan-binding lectin serine protease 1 (C4/C2 activating component of R-reactive factor) mannan-binding lectin serine protease 1 (C4/C2 activating component of R-reactive factor) mannan-binding lectin serine protease 1 (C4/C2 activating component of R-reactive factor) mannan-binding lectin serine protease 1 (C4/C2 activating component of R-reactive factor)

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_001879	MASP1	mannan-binding lectin serine protease 1 (C4/C2 activating component of Reactive factor)	0.746604	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001879	MASP1	mannan-binding lectin serine protease 1 (C4/C2 activating component of Reactive factor)	0.912158	Inlier
siRNA Disorazole DMSO Run2	NM_006610	MASP2	mannan-binding lectin serine protease 2	-1.479514	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006610	MASP2	mannan-binding lectin serine protease 2	-1.389741	Inlier
siRNA Disorazole DMSO Run1	NM_006610	MASP2	mannan-binding lectin serine protease 2	-0.160522	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006610	MASP2	mannan-binding lectin serine protease 2	-0.073894	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006610	MASP2	mannan-binding lectin serine protease 2	0.073893	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0066 10	MASP2	mannan-binding lectin serine protease 2	0.230198	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0066 10	MASP2	mannan-binding lectin serine protease 2	1.118802	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0066 10	MASP2	mannan-binding lectin serine protease 2 monogenic, audiogenic seizure susceptibility 1	1.576801	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0321 19	MASS1	homolog (mouse) monogenic, audiogenic seizure susceptibility 1	-2.132644	Inlier
siRNA Disorazole DMSO Run2	NM_0321 19	MASS1	homolog (mouse) monogenic, audiogenic seizure susceptibility 1	-1.962502	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0321 19	MASS1	homolog (mouse) monogenic, audiogenic seizure susceptibility 1	-0.600127	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0321 19	MASS1	homolog (mouse)	-0.370759	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0321 19	MASS1	monogenic, audiogenic seizure susceptibility 1 homolog (mouse)	0.370759	Inlier
siRNA Disorazole DMSO Run3	NM_0321 19	MASS1	monogenic, audiogenic seizure susceptibility 1 homolog (mouse)	0.376413	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0321 19	MASS1	monogenic, audiogenic seizure susceptibility 1 homolog (mouse)	0.748873	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0321 19	MASS1	monogenic, audiogenic seizure susceptibility 1 homolog (mouse)	1.046323	Inlier
siRNA Disorazole DMSO Run2	NM_0151 12	MAST2	microtubule associated serine/threonine kinase 2	-0.86597	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0151 12	MAST2	microtubule associated serine/threonine kinase 2	-0.48303	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_015112	MAST2	microtubule associated serine/threonine kinase 2	-0.466664	Inlier
siRNA Disorazole DMSO Run3	NM_015112	MAST2	microtubule associated serine/threonine kinase 2	-0.439198	Inlier
siRNA-Temozolomide Run2-DMSO	NM_015112	MAST2	microtubule associated serine/threonine kinase 2	0.439198	Inlier
siRNA-Vinblastine Run1-DMSO	NM_015112	MAST2	microtubule associated serine/threonine kinase 2	1.822788	Inlier
siRNA Disorazole DMSO Run1	NM_015112	MAST2	microtubule associated serine/threonine kinase 2	1.996632	Inlier
siRNA-Vinblastine Run2-DMSO	NM_015112	MAST2	microtubule associated serine/threonine kinase 2	3.337256	Inlier
siRNA Disorazole DMSO Run2	XM_038150	MAST3	microtubule associated serine/threonine kinase 3	-1.464036	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	XM_038150	MAST3	microtubule associated serine/threonine kinase 3	-1.073175	Inlier
siRNA-Temozolomide Run1-DMSO	XM_038150	MAST3	microtubule associated serine/threonine kinase 3	-0.204632	Inlier
siRNA Disorazole DMSO Run1	XM_038150	MAST3	microtubule associated serine/threonine kinase 3	-0.171469	Inlier
siRNA-Vinblastine Run1-DMSO	XM_038150	MAST3	microtubule associated serine/threonine kinase 3	0.171469	Inlier
siRNA-Temozolomide Run2-DMSO	XM_038150	MAST3	microtubule associated serine/threonine kinase 3	0.275825	Inlier
siRNA-Vinblastine Run2-DMSO	XM_038150	MAST3	microtubule associated serine/threonine kinase 3	1.244922	Inlier
siRNA Disorazole DMSO Run3	XM_038150	MAST3	microtubule associated serine/threonine kinase 3	3.455775	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0328 44	MASTL	microtubule associated serine/threonine kinase-like	-0.693307	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0328 44	MASTL	microtubule associated serine/threonine kinase-like	-0.655693	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0328 44	MASTL	microtubule associated serine/threonine kinase-like	-0.544927	Inlier
siRNA Disorazole DMSO Run3	NM_0328 44	MASTL	microtubule associated serine/threonine kinase-like	-0.004229	Inlier
siRNA Disorazole DMSO Run2	NM_0328 44	MASTL	microtubule associated serine/threonine kinase-like	0.004229	Inlier
siRNA Disorazole DMSO Run1	NM_0328 44	MASTL	microtubule associated serine/threonine kinase-like	0.71156	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_032844	MASTL	microtubule associated serine/threonine kinase-like	1.009112	Inlier
siRNA-Vinblastine Run2-DMSO	NM_032844	MASTL	microtubule associated serine/threonine kinase-like methionine	1.220252	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000429	MAT1A	adenosyltransferase I, alpha methionine	-0.687996	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000429	MAT1A	adenosyltransferase I, alpha methionine	-0.683921	Inlier
siRNA Disorazole DMSO Run1	NM_000429	MAT1A	adenosyltransferase I, alpha methionine	-0.665079	Inlier
siRNA Disorazole DMSO Run3	NM_000429	MAT1A	adenosyltransferase I, alpha methionine	-0.282214	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000429	MAT1A	adenosyltransferase I, alpha methionine	0.282215	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000429	MAT1A	adenosyltransferase I, alpha methionine	0.411173	Inlier
siRNA Disorazole DMSO Run2	NM_000429	MAT1A	adenosyltransferase I, alpha	0.695378	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			methionine	
siRNA-Vinblastine Run1-DMSO	NM_000429	MAT1A	adenosyltransferase I, alpha methionine	0.952814 Inlier
siRNA-Temozolomide Run2-DMSO	NM_005911	MAT2A	adenosyltransferase II, alpha methionine	-2.611825 Inlier
siRNA-Temozolomide Run3-DMSO	NM_005911	MAT2A	adenosyltransferase II, alpha methionine	-2.149123 Inlier
siRNA Disorazole DMSO Run1	NM_005911	MAT2A	adenosyltransferase II, alpha methionine	-1.636832 Inlier
siRNA-Temozolomide Run1-DMSO	NM_005911	MAT2A	adenosyltransferase II, alpha methionine	-0.374484 Inlier
siRNA-Vinblastine Run1-DMSO	NM_005911	MAT2A	adenosyltransferase II, alpha methionine	0.374484 Inlier
siRNA-Vinblastine Run2-DMSO	NM_005911	MAT2A	adenosyltransferase II, alpha methionine	0.485749 Inlier
siRNA Disorazole DMSO Run2	NM_005911	MAT2A	adenosyltransferase II, alpha methionine	0.660586 Inlier
siRNA Disorazole DMSO Run3	NM_005911	MAT2A	adenosyltransferase II, alpha methionine	0.688414 Inlier
siRNA-Temozolomide Run2-DMSO	NM_182796	MAT2B	adenosyltransferase II, beta	-1.123624 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_1827 96	MAT2B	methionine adenosyltransferase II, beta	-0.676744	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1827 96	MAT2B	methionine adenosyltransferase II, beta	-0.672256	Inlier
siRNA Disorazole DMSO Run3	NM_1827 96	MAT2B	methionine adenosyltransferase II, beta	-0.120321	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1827 96	MAT2B	methionine adenosyltransferase II, beta	0.120321	Inlier
siRNA Disorazole DMSO Run1	NM_1827 96	MAT2B	methionine adenosyltransferase II, beta	0.263026	Inlier
siRNA Disorazole DMSO Run2	NM_1827 96	MAT2B	methionine adenosyltransferase II, beta	1.714142	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1827 96	MAT2B	megakaryocyte-associated tyrosine kinase	1.861919	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1393 55	MATK	megakaryocyte-associated tyrosine kinase	-1.503093	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1393 55	MATK	megakaryocyte-associated tyrosine kinase	-0.841875	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1393 55	MATK	megakaryocyte-associated tyrosine kinase	-0.79724	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_1393 55	MATK	megakaryocyte-associated tyrosine kinase	-0.070351	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1393 55	MATK	megakaryocyte-associated tyrosine kinase	0.070352	Inlier
siRNA Disorazole DMSO Run1	NM_1393 55	MATK	megakaryocyte-associated tyrosine kinase	0.229213	Inlier
siRNA Disorazole DMSO Run3	NM_1393 55	MATK	megakaryocyte-associated tyrosine kinase	0.55176	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1393 55	MATK	megakaryocyte-associated tyrosine kinase	0.935514	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0152 92	MBC2	family with sequence similarity 62 (C2 domain containing), member A	-1.825939	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0152 92	MBC2	family with sequence similarity 62 (C2 domain containing), member A	-0.855832	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0152 92	MBC2	family with sequence similarity 62 (C2 domain containing), member A	-0.840604	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0152 92	MBC2	family with sequence similarity 62 (C2 domain containing) , member A	-0.205631	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0152 92	MBC2	family with sequence similarity 62 (C2 domain containing) , member A	0.205631	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0152 92	MBC2	family with sequence similarity 62 (C2 domain containing) , member A	0.281611	Inlier
siRNA Disorazole DMSO Run2	NM_0152 92	MBC2	family with sequence similarity 62 (C2 domain containing) , member A	0.63491	Inlier
siRNA Disorazole DMSO Run3	NM_0152 92	MBC2	family with sequence similarity 62 (C2 domain containing) , member A	0.71409	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0037 91	MBTPS1	membrane- bound transcripti on factor protease, site 1	-1.035846	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Site	Value	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_003791	MBTPS1	site 1	-0.843223	Inlier
siRNA Disorazole DMSO Run3	NM_003791	MBTPS1	site 1	-0.291928	Inlier
siRNA Disorazole DMSO Run1	NM_003791	MBTPS1	site 1	-0.151401	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003791	MBTPS1	site 1	0.151401	Inlier
siRNA Disorazole DMSO Run2	NM_003791	MBTPS1	site 1	0.505777	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003791	MBTPS1	site 1	1.227331	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003791	MBTPS1	site 1	1.373231	Inlier
siRNA-Temozolomide Run3-DMSO	NM_015884	MBTPS2	site 2	-1.209943	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0158 84	MBTPS2	membrane-bound transcription factor protease, site 2	-1.02081	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0158 84	MBTPS2	membrane-bound transcription factor protease, site 2	-0.488282	Inlier
siRNA Disorazole DMSO Run1	NM_0158 84	MBTPS2	membrane-bound transcription factor protease, site 2	-0.418156	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0158 84	MBTPS2	membrane-bound transcription factor protease, site 2	0.418156	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0158 84	MBTPS2	membrane-bound transcription factor protease, site 2	0.423279	Inlier
siRNA Disorazole DMSO Run3	NM_0158 84	MBTPS2	membrane-bound transcription factor protease, site 2	0.860718	Inlier
siRNA Disorazole DMSO Run2	NM_0158 84	MBTPS2	membrane-bound transcription factor protease, site 2	0.892104	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0023 86	MC1R	melanocortin 1 receptor (alpha melanocyte stimulating hormone receptor)	-1.335034	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_002386	MC1R	melanocortin 1 receptor (alpha melanocyte stimulating hormone receptor)	-0.655614	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002386	MC1R	melanocortin 1 receptor (alpha melanocyte stimulating hormone receptor)	-0.465899	Inlier
siRNA Disorazole DMSO Run1	NM_002386	MC1R	melanocortin 1 receptor (alpha melanocyte stimulating hormone receptor)	-0.053502	Inlier
siRNA Disorazole DMSO Run2	NM_002386	MC1R	melanocortin 1 receptor (alpha melanocyte stimulating hormone receptor)	0.053502	Inlier
siRNA Disorazole DMSO Run3	NM_002386	MC1R	melanocortin 1 receptor (alpha melanocyte stimulating hormone receptor)	0.693386	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_002386	MC1R	melanocortin 1 receptor (alpha melanocyte stimulating hormone receptor)	0.708925	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002386	MC1R	melanocortin 1 receptor (alpha melanocyte stimulating hormone receptor)	0.721349	Inlier
siRNA Disorazole DMSO Run2	NM_000529	MC2R	melanocortin 2 receptor (adrenocorticotrophic hormone)	-4.231991	Outlier
siRNA-Temozolomide Run3-DMSO	NM_000529	MC2R	melanocortin 2 receptor (adrenocorticotrophic hormone)	-0.432025	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000529	MC2R	melanocortin 2 receptor (adrenocorticotrophic hormone)	-0.267014	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000529	MC2R	melanocortin 2 receptor (adrenocorticotrophic hormone)	-0.266878	Inlier
siRNA Disorazole DMSO Run1	NM_000529	MC2R	melanocortin 2 receptor (adrenocorticotrophic hormone)	0.266879	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			melanocortin 2 receptor (adrenocorticotrophic hormone)	
siRNA-Vinblastine Run2-DMSO	NM_000529	MC2R	melanocortin 2 receptor (adrenocorticotrophic hormone)	0.916975 Inlier
siRNA-Vinblastine Run1-DMSO	NM_000529	MC2R	melanocortin 2 receptor (adrenocorticotrophic hormone)	1.033002 Inlier
siRNA Disorazole DMSO Run3	NM_000529	MC2R	melanocortin 3 receptor (adrenocorticotrophic hormone)	2.786373 Inlier
siRNA-Temozolomide Run3-DMSO	NM_019888	MC3R	melanocortin 3 receptor	-1.520476 Inlier
siRNA Disorazole DMSO Run2	NM_019888	MC3R	melanocortin 3 receptor	-1.254348 Inlier
siRNA-Temozolomide Run2-DMSO	NM_019888	MC3R	melanocortin 3 receptor	-0.708729 Inlier
siRNA-Temozolomide Run1-DMSO	NM_019888	MC3R	melanocortin 3 receptor	-0.027143 Inlier
siRNA Disorazole DMSO Run1	NM_019888	MC3R	melanocortin 3 receptor	0.027143 Inlier
siRNA Disorazole DMSO Run3	NM_019888	MC3R	melanocortin 3 receptor	0.193006 Inlier
siRNA-Vinblastine Run2-DMSO	NM_019888	MC3R	melanocortin 3 receptor	0.647751 Inlier
siRNA-Vinblastine Run1-DMSO	NM_019888	MC3R	melanocortin 3 receptor	0.701249 Inlier
siRNA-Temozolomide Run2-DMSO	NM_005912	MC4R	melanocortin 4 receptor	-2.474893 Inlier
siRNA-Temozolomide Run1-DMSO	NM_005912	MC4R	melanocortin 4 receptor	-0.566404 Inlier
siRNA-Vinblastine Run2-DMSO	NM_005912	MC4R	melanocortin 4 receptor	-0.334957 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0059 12	MC4R	melanocortin 4 receptor	-0.26141	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0059 12	MC4R	melanocortin 4 receptor	0.26141	Inlier
siRNA Disorazole DMSO Run2	NM_0059 12	MC4R	melanocortin 4 receptor	0.782596	Inlier
siRNA Disorazole DMSO Run1	NM_0059 12	MC4R	melanocortin 4 receptor	1.009812	Inlier
siRNA Disorazole DMSO Run3	NM_0059 12	MC4R	melanocortin 4 receptor	3.846931	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0059 13	MC5R	melanocortin 5 receptor	-1.593448	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0059 13	MC5R	melanocortin 5 receptor	-0.763629	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0059 13	MC5R	melanocortin 5 receptor	-0.491688	Inlier
siRNA Disorazole DMSO Run2	NM_0059 13	MC5R	melanocortin 5 receptor	-0.312877	Inlier
siRNA Disorazole DMSO Run1	NM_0059 13	MC5R	melanocortin 5 receptor	0.312877	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0059 13	MC5R	melanocortin 5 receptor	0.585371	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0059 13	MC5R	melanocortin 5 receptor	0.809628	Inlier
siRNA Disorazole DMSO Run3	NM_0059 13	MC5R	melanocortin 5 receptor	1.234655	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0201 66	MCCC1	methylcrotonyl-Coenzyme A carboxylase 1 (alpha)	-1.8233	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_020166	MCCC1	methylocrotonoyl-Coenzyme A carboxylase 1 (alpha)	-0.668513	Inlier
siRNA-Temozolomide Run1-DMSO	NM_020166	MCCC1	methylocrotonoyl-Coenzyme A carboxylase 1 (alpha)	-0.135278	Inlier
siRNA-Vinblastine Run2-DMSO	NM_020166	MCCC1	methylocrotonoyl-Coenzyme A carboxylase 1 (alpha)	-0.095148	Inlier
siRNA Disorazole DMSO Run1	NM_020166	MCCC1	methylocrotonoyl-Coenzyme A carboxylase 1 (alpha)	0.095148	Inlier
siRNA Disorazole DMSO Run3	NM_020166	MCCC1	methylocrotonoyl-Coenzyme A carboxylase 1 (alpha)	0.680487	Inlier
siRNA Disorazole DMSO Run2	NM_020166	MCCC1	methylocrotonoyl-Coenzyme A carboxylase 1 (alpha)	2.159678	Inlier
siRNA-Vinblastine Run1-DMSO	NM_020166	MCCC1	methylocrotonoyl-Coenzyme A carboxylase 1 (alpha)	3.309641	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_022132	MCCC2	methylecrotonoyl-Coenzyme A carboxylase 2 (beta)	-0.691354	Inlier
siRNA-Vinblastine Run2-DMSO	NM_022132	MCCC2	methylecrotonoyl-Coenzyme A carboxylase 2 (beta)	-0.67626	Inlier
siRNA Disorazole DMSO Run3	NM_022132	MCCC2	methylecrotonoyl-Coenzyme A carboxylase 2 (beta)	-0.476808	Inlier
siRNA Disorazole DMSO Run1	NM_022132	MCCC2	methylecrotonoyl-Coenzyme A carboxylase 2 (beta)	-0.445146	Inlier
siRNA-Temozolomide Run1-DMSO	NM_022132	MCCC2	methylecrotonoyl-Coenzyme A carboxylase 2 (beta)	0.445146	Inlier
siRNA-Temozolomide Run3-DMSO	NM_022132	MCCC2	methylecrotonoyl-Coenzyme A carboxylase 2 (beta)	0.67274	Inlier
siRNA Disorazole DMSO Run2	NM_022132	MCCC2	methylecrotonoyl-Coenzyme A carboxylase 2 (beta)	1.783229	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_022132	MCCC2	methylecrotonoyl-Coenzyme A carboxylase 2 (beta) MCF.2 cell line derived transforming sequence MCF.2 cell line derived transforming sequence	2.122957	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005369	MCF2	MCF.2 cell line derived transforming sequence MCF.2 cell line derived transforming sequence	-1.267633	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005369	MCF2	MCF.2 cell line derived transforming sequence MCF.2 cell line derived transforming sequence	-0.940016	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005369	MCF2	MCF.2 cell line derived transforming sequence MCF.2 cell line derived transforming sequence	-0.418912	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005369	MCF2	MCF.2 cell line derived transforming sequence MCF.2 cell line derived transforming sequence	-0.047782	Inlier
siRNA Disorazole DMSO Run1	NM_005369	MCF2	MCF.2 cell line derived transforming sequence MCF.2 cell line derived transforming sequence	0.047781	Inlier
siRNA Disorazole DMSO Run3	NM_005369	MCF2	MCF.2 cell line derived transforming sequence MCF.2 cell line derived transforming sequence	0.134535	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005369	MCF2	MCF.2 cell line derived transforming sequence MCF.2 cell line derived transforming sequence	0.930088	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Condition	Run	Gene	Cell Line	Value	Outlier
siRNA Disorazole	DMSO	Run2	NM_0249 79	MCF2L	0.824912	Inlier
siRNA Disorazole	DMSO	Run1	NM_0249 79	MCF2L	0.847304	Inlier
siRNA-Temozolomide	Run3-DMSO		NM_1827 63	MCL1	-1.113444	Inlier
siRNA Disorazole	DMSO	Run3	NM_1827 63	MCL1	-0.334165	Inlier
siRNA-Vinblastine	Run2-DMSO		NM_1827 63	MCL1	-0.066683	Inlier
siRNA-Temozolomide	Run1-DMSO		NM_1827 63	MCL1	-0.040379	Inlier
siRNA-Temozolomide	Run2-DMSO		NM_1827 63	MCL1	0.040379	Inlier
siRNA Disorazole	DMSO	Run1	NM_1827 63	MCL1	1.014835	Inlier

MCF.2 cell line derived transforming sequence-like MCF.2 cell line derived transforming sequence-like myeloid cell leukemia sequence 1 (BCL2-related) myeloid cell leukemia sequence 1 (BCL2-related) myeloid cell leukemia sequence 1 (BCL2-related) myeloid cell leukemia sequence 1 (BCL2-related) myeloid cell leukemia sequence 1 (BCL2-related)

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_1827 63	MCL1	myeloid cell leukemia sequence 1 (BCL2-related)	4.790726	Outlier
siRNA-Vinblastine Run1-DMSO	NM_1827 63	MCL1	myeloid cell leukemia sequence 1 (BCL2-related)	6.006465	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0205 33	MCOLN1	mucolipin 1	-0.720712	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0205 33	MCOLN1	mucolipin 1	-0.628288	Inlier
siRNA Disorazole DMSO Run2	NM_0205 33	MCOLN1	mucolipin 1	-0.446272	Inlier
siRNA Disorazole DMSO Run3	NM_0205 33	MCOLN1	mucolipin 1	-0.018339	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0205 33	MCOLN1	mucolipin 1	0.018339	Inlier
siRNA Disorazole DMSO Run1	NM_0205 33	MCOLN1	mucolipin 1	1.606461	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0205 33	MCOLN1	mucolipin 1	1.933853	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0205 33	MCOLN1	mucolipin 1	2.32833	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0059 17	MDH1	malate dehydrogenase 1, NAD (soluble)	-0.688962	Inlier
siRNA Disorazole DMSO Run1	NM_0059 17	MDH1	malate dehydrogenase 1, NAD (soluble)	-0.660038	Inlier
siRNA Disorazole DMSO Run3	NM_0059 17	MDH1	malate dehydrogenase 1, NAD (soluble)	-0.461352	Inlier
siRNA Disorazole DMSO Run2	NM_0059 17	MDH1	malate dehydrogenase 1, NAD (soluble)	-0.33841	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0059 17	MDH1	malate dehydrogenase 1, NAD (soluble)	0.338409	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0059 17	MDH1	malate dehydrogenase 1, NAD (soluble)	0.831875	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0059 17	MDH1	malate dehydrogenase 1, NAD (soluble)	1.006487	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0059 17	MDH1	malate dehydrogenase 1, NAD (soluble)	1.039698	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0059 18	MDH2	malate dehydrogenase 2, NAD (mitochondrial)	-0.77988	Inlier
siRNA Disorazole DMSO Run2	NM_0059 18	MDH2	malate dehydrogenase 2, NAD (mitochondrial)	-0.69303	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0059 18	MDH2	malate dehydrogenase 2, NAD (mitochondrial)	-0.479456	Inlier
siRNA Disorazole DMSO Run1	NM_0059 18	MDH2	malate dehydrogenase 2, NAD (mitochondrial)	-0.321851	Inlier
siRNA Disorazole DMSO Run3	NM_0059 18	MDH2	malate dehydrogenase 2, NAD (mitochondrial)	0.321851	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_005918	MDH2	malate dehydrogenase 2, NAD (mitochondrial)	0.65597	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005918	MDH2	malate dehydrogenase 2, NAD (mitochondrial)	1.161618	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005918	MDH2	malate dehydrogenase 2, NAD (mitochondrial)	1.206277	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006878	MDM2	Mdm2, transformed 3T3 cell double minute 2, p53 binding protein (mouse)	-1.501695	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006878	MDM2	Mdm2, transformed 3T3 cell double minute 2, p53 binding protein (mouse)	-0.630322	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006878	MDM2	Mdm2, transformed 3T3 cell double minute 2, p53 binding protein (mouse)	-0.322641	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0068 78	MDM2	Mdm2, transforme d 3T3 cell double minute 2, p53 binding protein (mouse)	-0.101496	Inlier
siRNA Disorazole DMSO Run3	NM_0068 78	MDM2	Mdm2, transforme d 3T3 cell double minute 2, p53 binding protein (mouse)	0.101495	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0068 78	MDM2	Mdm2, transforme d 3T3 cell double minute 2, p53 binding protein (mouse)	0.718678	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0068 78	MDM2	Mdm2, transforme d 3T3 cell double minute 2, p53 binding protein (mouse)	1.228328	Inlier
siRNA Disorazole DMSO Run2	NM_0068 78	MDM2	Mdm2, transforme d 3T3 cell double minute 2, p53 binding protein (mouse)	1.460186	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_002393	MDM4	Mdm4, transformed 3T3 cell double minute 4, p53 binding protein (mouse)	-0.686652	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002393	MDM4	Mdm4, transformed 3T3 cell double minute 4, p53 binding protein (mouse)	-0.662348	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002393	MDM4	Mdm4, transformed 3T3 cell double minute 4, p53 binding protein (mouse)	-0.451614	Inlier
siRNA Disorazole DMSO Run3	NM_002393	MDM4	Mdm4, transformed 3T3 cell double minute 4, p53 binding protein (mouse)	-0.351454	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002393	MDM4	Mdm4, transformed 3T3 cell double minute 4, p53 binding protein (mouse)	0.351454	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0023 93	MDM4	Mdm4, transforme d 3T3 cell double minute 4, p53 binding protein (mouse)	1.383655	Inlier
siRNA Disorazole DMSO Run2	NM_0023 93	MDM4	Mdm4, transforme d 3T3 cell double minute 4, p53 binding protein (mouse)	2.609808	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0023 93	MDM4	Mdm4, transforme d 3T3 cell double minute 4, p53 binding protein (mouse)	2.637763	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0146 11	MDN1	MDN1, midasin homolog (yeast)	-0.71512	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0146 11	MDN1	MDN1, midasin homolog (yeast)	-0.706927	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0146 11	MDN1	MDN1, midasin homolog (yeast)	-0.400348	Inlier
siRNA Disorazole DMSO Run3	NM_0146 11	MDN1	MDN1, midasin homolog (yeast)	-0.202401	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0146 11	MDN1	MDN1, midasin homolog (yeast)	0.202401	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0146 11	MDN1	MDN1, midasin homolog (yeast)	0.642073	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0146 11	MDN1	MDN1, midasin homolog (yeast)	2.738413	Inlier
siRNA Disorazole DMSO Run2	NM_0146 11	MDN1	MDN1, midasin homolog (yeast)	3.334224	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0184 63	MDS028	MDS028	-0.897863	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0184 63	MDS028	MDS028	-0.582809	Inlier
siRNA Disorazole DMSO Run3	NM_0184 63	MDS028	MDS028	-0.090993	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0184 63	MDS028	MDS028	-0.04568	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0184 63	MDS028	MDS028	0.04568	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0184 63	MDS028	MDS028	0.766191	Inlier
siRNA Disorazole DMSO Run1	NM_0184 63	MDS028	MDS028	0.969604	Inlier
siRNA Disorazole DMSO Run2	NM_0184 63	MDS028	MDS028	1.085448	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0023 95	ME1	malic enzyme 1, NADP(+)- dependent , cytosolic	-2.609044	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0023 95	ME1	malic enzyme 1, NADP(+)- dependent , cytosolic	-0.49104	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0023 95	ME1	malic enzyme 1, NADP(+)- dependent , cytosolic	-0.173013	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0023 95	ME1	malic enzyme 1, NADP(+)- dependent , cytosolic	-0.136978 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0023 95	ME1	malic enzyme 1, NADP(+)- dependent , cytosolic	0.136979 Inlier
siRNA Disorazole DMSO Run3	NM_0023 95	ME1	malic enzyme 1, NADP(+)- dependent , cytosolic	0.85796 Inlier
siRNA Disorazole DMSO Run2	NM_0023 95	ME1	malic enzyme 1, NADP(+)- dependent , cytosolic	1.976075 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0023 95	ME1	malic enzyme 1, NADP(+)- dependent , cytosolic malic enzyme 2, NAD(+)- dependent	2.629495 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0023 96	ME2	, mitochond rial malic enzyme 2, NAD(+)- dependent	-1.203631 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0023 96	ME2	, mitochond rial	-0.995943 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

				malic enzyme 2, NAD(+)-dependent	
siRNA-Temozolomide Run1-DMSO	NM_002396	ME2		mitochondrial malic enzyme 2, NAD(+)-dependent	-0.347072 Inlier
siRNA-Temozolomide Run2-DMSO	NM_002396	ME2		mitochondrial malic enzyme 2, NAD(+)-dependent	-0.051004 Inlier
siRNA Disorazole DMSO Run1	NM_002396	ME2		mitochondrial malic enzyme 2, NAD(+)-dependent	0.051004 Inlier
siRNA Disorazole DMSO Run3	NM_002396	ME2		mitochondrial malic enzyme 2, NAD(+)-dependent	0.401384 Inlier
siRNA Disorazole DMSO Run2	NM_002396	ME2		mitochondrial malic enzyme 2, NAD(+)-dependent	0.947616 Inlier
siRNA-Vinblastine Run1-DMSO	NM_002396	ME2		mitochondrial malic enzyme 3, NADP(+)-dependent	1.5405 Inlier
siRNA-Temozolomide Run2-DMSO	NM_001014811	ME3		mitochondrial	-1.07114 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

				malic enzyme 3, NADP(+)-dependent	
siRNA-Vinblastine Run2-DMSO	NM_001014811	ME3		mitochondrial	-0.6681 Inlier
				malic enzyme 3, NADP(+)-dependent	
siRNA-Temozolomide Run1-DMSO	NM_001014811	ME3		mitochondrial	-0.50335 Inlier
				malic enzyme 3, NADP(+)-dependent	
siRNA Disorazole DMSO Run3	NM_001014811	ME3		mitochondrial	-0.191574 Inlier
				malic enzyme 3, NADP(+)-dependent	
siRNA Disorazole DMSO Run1	NM_001014811	ME3		mitochondrial	0.191574 Inlier
				malic enzyme 3, NADP(+)-dependent	
siRNA-Temozolomide Run3-DMSO	NM_001014811	ME3		mitochondrial	0.6809 Inlier
				malic enzyme 3, NADP(+)-dependent	
siRNA Disorazole DMSO Run2	NM_001014811	ME3		mitochondrial	2.427857 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			malic enzyme 3, NADP(+)-dependent	
siRNA-Vinblastine Run1-DMSO	NM_001014811	ME3	mitochondrial mediator of RNA polymerase II transcription, subunit 8 homolog (yeast)	3.069518 Inlier
siRNA-Temozolomide Run3-DMSO	NM_001001654	MED8	mediator of RNA polymerase II transcription, subunit 8 homolog (yeast)	-1.106281 Inlier
siRNA-Temozolomide Run2-DMSO	NM_001001654	MED8	mediator of RNA polymerase II transcription, subunit 8 homolog (yeast)	-0.694845 Inlier
siRNA-Vinblastine Run2-DMSO	NM_001001654	MED8	mediator of RNA polymerase II transcription, subunit 8 homolog (yeast)	-0.654155 Inlier
siRNA Disorazole DMSO Run3	NM_001001654	MED8	subunit 8 homolog (yeast)	-0.128089 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_001001654	MED8	mediator of RNA polymerase II transcription, subunit 8 homolog (yeast)	0.128089	Inlier
siRNA Disorazole DMSO Run1	NM_001001654	MED8	mediator of RNA polymerase II transcription, subunit 8 homolog (yeast)	0.620664	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001001654	MED8	mediator of RNA polymerase II transcription, subunit 8 homolog (yeast)	1.540304	Inlier
siRNA Disorazole DMSO Run2	NM_001001654	MED8	maternal embryonic leucine zipper kinase	1.674242	Inlier
siRNA-Temozolomide Run3-DMSO	NM_014791	MELK	maternal embryonic leucine zipper kinase	-1.360768	Inlier
siRNA Disorazole DMSO Run3	NM_014791	MELK	maternal embryonic leucine zipper kinase	-1.221484	Inlier
siRNA-Temozolomide Run2-DMSO	NM_014791	MELK	maternal embryonic leucine zipper kinase	-1.191794	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0147 91	MELK	maternal embryonic leucine zipper kinase	-0.164991	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0147 91	MELK	maternal embryonic leucine zipper kinase	0.164991	Inlier
siRNA Disorazole DMSO Run1	NM_0147 91	MELK	maternal embryonic leucine zipper kinase	0.27396	Inlier
siRNA Disorazole DMSO Run2	NM_0147 91	MELK	maternal embryonic leucine zipper kinase	0.288091	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0147 91	MELK	maternal embryonic leucine zipper kinase	1.060909	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0055 88	MEP1A	meprin A, alpha (PABA peptide hydrolase)	-1.392128	Inlier
siRNA Disorazole DMSO Run3	NM_0055 88	MEP1A	meprin A, alpha (PABA peptide hydrolase)	-0.503443	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0055 88	MEP1A	meprin A, alpha (PABA peptide hydrolase)	-0.424898	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0055 88	MEP1A	meprin A, alpha (PABA peptide hydrolase)	-0.190921	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0055 88	MEP1A	meprin A, alpha (PABA peptide hydrolase)	0.190921	Inlier
siRNA Disorazole DMSO Run2	NM_0055 88	MEP1A	meprin A, alpha (PABA peptide hydrolase)	0.845557	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0055 88	MEP1A	meprin A, alpha (PABA peptide hydrolase)	0.900187	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0055 88	MEP1A	meprin A, alpha (PABA peptide hydrolase)	1.156607	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0059 25	MEP1B	meprin A, beta	-0.943294	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0059 25	MEP1B	meprin A, beta	-0.74585	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0059 25	MEP1B	meprin A, beta	-0.60315	Inlier
siRNA Disorazole DMSO Run1	NM_0059 25	MEP1B	meprin A, beta	-0.046032	Inlier
siRNA Disorazole DMSO Run2	NM_0059 25	MEP1B	meprin A, beta	0.046032	Inlier
siRNA Disorazole DMSO Run3	NM_0059 25	MEP1B	meprin A, beta	0.154567	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0059 25	MEP1B	meprin A, beta	0.806134	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0059 25	MEP1B	meprin A, beta	0.92911	Inlier
siRNA Disorazole DMSO Run2	NM_0063 43	MERTK	c-mer proto- oncogene tyrosine kinase	-1.348054	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0063 43	MERTK	c-mer proto- oncogene tyrosine kinase	-0.636853	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0063 43	MERTK	c-mer proto- oncogene tyrosine kinase	-0.169201	Inlier
siRNA Disorazole DMSO Run3	NM_0063 43	MERTK	c-mer proto- oncogene tyrosine kinase	-0.00515	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0063 43	MERTK	c-mer proto- oncogene tyrosine kinase	0.00515	Inlier
siRNA Disorazole DMSO Run1	NM_0063 43	MERTK	c-mer proto- oncogene tyrosine kinase	0.712147	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0063 43	MERTK	c-mer proto- oncogene tyrosine kinase	0.775328	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0063 43	MERTK	c-mer proto- oncogene tyrosine kinase mesoderm specific transcript homolog (mouse)	1.188359	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1775 24	MEST	mesoderm specific transcript homolog (mouse)	-1.062887	Inlier
siRNA Disorazole DMSO Run3	NM_1775 24	MEST	mesoderm specific transcript homolog (mouse)	-0.97162	Inlier
siRNA Disorazole DMSO Run1	NM_1775 24	MEST	mesoderm specific transcript homolog (mouse)	-0.369125	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1775 24	MEST	mesoderm specific transcript homolog (mouse)	-0.353049	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_1775 24	MEST	mesoderm specific transcript homolog (mouse)	0.353049	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1775 24	MEST	mesoderm specific transcript homolog (mouse)	0.672093	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1775 24	MEST	mesoderm specific transcript homolog (mouse)	0.676907	Inlier
siRNA Disorazole DMSO Run2	NM_1775 24	MEST	mesoderm specific transcript homolog (mouse)	1.27794	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0002 45	MET	met proto-oncogene (hepatocyte growth factor receptor)	-1.682474	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0002 45	MET	met proto-oncogene (hepatocyte growth factor receptor)	-1.083836	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0002 45	MET	met proto-oncogene (hepatocyte growth factor receptor)	-0.632267	Inlier
siRNA Disorazole DMSO Run1	NM_0002 45	MET	met proto-oncogene (hepatocyte growth factor receptor)	-0.140182	Inlier
siRNA Disorazole DMSO Run3	NM_0002 45	MET	met proto-oncogene (hepatocyte growth factor receptor)	0.140181	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0002 45	MET	met proto-oncogene (hepatocyte growth factor receptor)	0.214475	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0002 45	MET	met proto-oncogene (hepatocyte growth factor receptor)	0.716733	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0002 45	MET	methionyl aminopeptidase 1	1.049297	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0151 43	METAP1	methionyl aminopeptidase 1	-1.172796	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0151 43	METAP1	methionyl aminopeptidase 1	-0.840233	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0151 43	METAP1	methionyl aminopeptidase 1	-0.389032	Inlier
siRNA Disorazole DMSO Run2	NM_0151 43	METAP1	methionyl aminopeptidase 1	-0.105544	Inlier
siRNA Disorazole DMSO Run1	NM_0151 43	METAP1	methionyl aminopeptidase 1	0.105543	Inlier
siRNA Disorazole DMSO Run3	NM_0151 43	METAP1	methionyl aminopeptidase 1	0.644096	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0151 43	METAP1	methionyl aminopeptidase 1	0.704904	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0151 43	METAP1	methionyl aminopeptidase 1	0.743609	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0068 38	METAP2	methionyl aminopeptidase 2	-1.936706	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0068 38	METAP2	methionyl aminopeptidase 2	-1.740719	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0068 38	METAP2	methionyl aminopeptidase 2	-0.568602	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0068 38	METAP2	methionyl aminopept idase 2	-0.042565	Inlier
siRNA Disorazole DMSO Run1	NM_0068 38	METAP2	methionyl aminopept idase 2	0.042565	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0068 38	METAP2	methionyl aminopept idase 2	0.637651	Inlier
siRNA Disorazole DMSO Run3	NM_0068 38	METAP2	methionyl aminopept idase 2	0.711349	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0068 38	METAP2	methionyl aminopept idase 2	0.907594	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0230 33	METTL1	methyltran sferase- like 1	-5.620366	Outlier
siRNA-Temozolomide Run3- DMSO	NM_0230 33	METTL1	methyltran sferase- like 1	-4.109513	Outlier
siRNA-Temozolomide Run1- DMSO	NM_0230 33	METTL1	methyltran sferase- like 1	-0.378271	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0230 33	METTL1	methyltran sferase- like 1	-0.050659	Inlier
siRNA Disorazole DMSO Run3	NM_0230 33	METTL1	methyltran sferase- like 1	0.050659	Inlier
siRNA Disorazole DMSO Run1	NM_0230 33	METTL1	methyltran sferase- like 1	0.614912	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0230 33	METTL1	methyltran sferase- like 1	0.734088	Inlier
siRNA Disorazole DMSO Run2	NM_0230 33	METTL1	methyltran sferase- like 1	2.758996	Inlier
siRNA Disorazole DMSO Run3	NM_0183 96	METTL2	methyltran sferase like 2	-1.989053	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0183 96	METTL2	methyltran sferase like 2	-0.834053	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0183 96	METTL2	methyltran sferase like 2	-0.514947	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0183 96	METTL2	methyltran sferase like 2	-0.409776	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Condition	Gene	Gene ID	Gene Name	Value	Outlier
Molecular Pharmacology siRNA-Vinblastine Run1- DMSO	METTL2	NM_0183 96	methyltran sferase like 2	0.409778	Inlier
siRNA Disorazole DMSO Run1	METTL2	NM_0183 96	methyltran sferase like 2	0.510069	Inlier
siRNA-Temozolomide Run1- DMSO	METTL2	NM_0183 96	methyltran sferase like 2	1.620822	Inlier
siRNA Disorazole DMSO Run2	METTL2	NM_0183 96	methyltran sferase like 2	2.681851	Inlier
siRNA-Vinblastine Run2- DMSO	MFAP4	NM_0024 04	microfibrill ar- associated protein 4	-1.098671	Inlier
siRNA-Temozolomide Run3- DMSO	MFAP4	NM_0024 04	microfibrill ar- associated protein 4	-0.575527	Inlier
siRNA Disorazole DMSO Run3	MFAP4	NM_0024 04	microfibrill ar- associated protein 4	-0.540278	Inlier
siRNA-Temozolomide Run2- DMSO	MFAP4	NM_0024 04	microfibrill ar- associated protein 4	-0.058995	Inlier
siRNA Disorazole DMSO Run1	MFAP4	NM_0024 04	microfibrill ar- associated protein 4	0.058996	Inlier
siRNA-Temozolomide Run1- DMSO	MFAP4	NM_0024 04	microfibrill ar- associated protein 4	0.773473	Inlier
siRNA-Vinblastine Run1- DMSO	MFAP4	NM_0024 04	microfibrill ar- associated protein 4	1.217466	Inlier
siRNA Disorazole DMSO Run2	MFAP4	NM_0024 04	microfibrill ar- associated protein 4	2.232882	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Symbol	Cell Line	Log Fold Change	Outlier Status
siRNA-Temozolomide Run1-DMSO	MFHAS1	NM_004225	MFHAS1	malignant fibrous histiocytoma amplified sequence 1	-1.240502	Inlier
siRNA-Temozolomide Run3-DMSO	MFHAS1	NM_004225	MFHAS1	malignant fibrous histiocytoma amplified sequence 1	-0.982067	Inlier
siRNA-Temozolomide Run2-DMSO	MFHAS1	NM_004225	MFHAS1	malignant fibrous histiocytoma amplified sequence 1	-0.683294	Inlier
siRNA Disorazole DMSO Run1	MFHAS1	NM_004225	MFHAS1	malignant fibrous histiocytoma amplified sequence 1	-0.289934	Inlier
siRNA Disorazole DMSO Run2	MFHAS1	NM_004225	MFHAS1	malignant fibrous histiocytoma amplified sequence 1	0.289933	Inlier
siRNA-Vinblastine Run2-DMSO	MFHAS1	NM_004225	MFHAS1	malignant fibrous histiocytoma amplified sequence 1	0.545649	Inlier
siRNA-Vinblastine Run1-DMSO	MFHAS1	NM_004225	MFHAS1	malignant fibrous histiocytoma amplified sequence 1	0.665706	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0042 25	MFHAS1	1	0.964294	Inlier
siRNA Disorazole DMSO Run1	NM_0024 05	MFNG	1	-0.808847	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0024 05	MFNG	1	-0.69474	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0024 05	MFNG	1	-0.65426	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0024 05	MFNG	1	-0.397279	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0024 05	MFNG	1	0.397279	Inlier
siRNA Disorazole DMSO Run2	NM_0024 05	MFNG	1	0.590516	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0024 05	MFNG	1	0.723909	Inlier
siRNA Disorazole DMSO Run3	NM_0024 05	MFNG	1	0.807965	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0314 33	MFRP	1	-1.498338	Inlier

malignant
fibrous
histiocyto
ma
amplified
sequence
manic
fringe
homolog
(Drosophil
a)
manic
fringe
homolog
(Drosophil
a)
manic
fringe
homolog
(Drosophil
a)
manic
fringe
homolog
(Drosophil
a)
manic
fringe
homolog
(Drosophil
a)
manic
fringe
homolog
(Drosophil
a)
manic
fringe
homolog
(Drosophil
a)
manic
fringe
homolog
(Drosophil
a)
manic
fringe
homolog
(Drosophil
a)
membrane
frizzled-
related
protein

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0314 33	MFRP	membrane frizzled- related protein	-0.174867	Inlier
siRNA Disorazole DMSO Run2	NM_0314 33	MFRP	membrane frizzled- related protein	-0.086277	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0314 33	MFRP	membrane frizzled- related protein	-0.013494	Inlier
siRNA Disorazole DMSO Run1	NM_0314 33	MFRP	membrane frizzled- related protein	0.013494	Inlier
siRNA Disorazole DMSO Run3	NM_0314 33	MFRP	membrane frizzled- related protein	1.174133	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0314 33	MFRP	membrane frizzled- related protein	1.47528	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0314 33	MFRP	membrane frizzled- related protein	1.706267	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0307 80	MFTC	MFTC	-0.948325	Inlier
siRNA Disorazole DMSO Run2	NM_0307 80	MFTC	MFTC	-0.580786	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0307 80	MFTC	MFTC	-0.580333	Inlier
siRNA Disorazole DMSO Run1	NM_0307 80	MFTC	MFTC	-0.513098	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0307 80	MFTC	MFTC	0.513098	Inlier
siRNA Disorazole DMSO Run3	NM_0307 80	MFTC	MFTC	0.768214	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0307 80	MFTC	MFTC	1.533357	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0307 80	MFTC	MFTC	1.626525	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0046 68	MGAM	maltase- glucoamyl ase (alpha- glucosidas e)	-1.236599	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_004668	MGAM	maltase-glucoamylase (alpha-glucosidase)	-1.154872	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004668	MGAM	maltase-glucoamylase (alpha-glucosidase)	-0.274192	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004668	MGAM	maltase-glucoamylase (alpha-glucosidase)	-0.184254	Inlier
siRNA Disorazole DMSO Run1	NM_004668	MGAM	maltase-glucoamylase (alpha-glucosidase)	0.184254	Inlier
siRNA Disorazole DMSO Run3	NM_004668	MGAM	maltase-glucoamylase (alpha-glucosidase)	0.32709	Inlier
siRNA Disorazole DMSO Run2	NM_004668	MGAM	maltase-glucoamylase (alpha-glucosidase)	1.02191	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004668	MGAM	maltase-glucoamylase (alpha-glucosidase)	1.106804	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002406	MGAT1	mannosyl (alpha-1,3-)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase	-3.238472	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_002406	MGAT1	mannosyl (alpha-1,3-)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase	-2.997429	Inlier
siRNA Disorazole DMSO Run2	NM_002406	MGAT1	mannosyl (alpha-1,3-)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase	-0.383254	Inlier
siRNA Disorazole DMSO Run3	NM_002406	MGAT1	mannosyl (alpha-1,3-)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase	-0.065666	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002406	MGAT1	mannosyl (alpha-1,3-)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase	0.065665	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002406	MGAT1	mannosyl (alpha-1,3-)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase	0.271429	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0024 06	MGAT1	mannosyl (alpha-1,3-)- glycoprotei n beta-1,2- N- acetylgluc osaminyltr ansferase	0.965746	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0024 06	MGAT1	mannosyl (alpha-1,3-)- glycoprotei n beta-1,2- N- acetylgluc osaminyltr ansferase	3.408566	Inlier
siRNA Disorazole DMSO Run3	NM_0010 15883	MGAT2	mannosyl (alpha-1,6-)- glycoprotei n beta-1,2- N- acetylgluc osaminyltr ansferase	-1.627106	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0010 15883	MGAT2	mannosyl (alpha-1,6-)- glycoprotei n beta-1,2- N- acetylgluc osaminyltr ansferase	-0.929118	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0010 15883	MGAT2	mannosyl (alpha-1,6-)- glycoprotei n beta-1,2- N- acetylgluc osaminyltr ansferase	-0.227171	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0010 15883	MGAT2	mannosyl (alpha-1,6-)- glycoprotei n beta-1,2- N- acetylgluc osaminyltr ansferase	-0.128951	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0010 15883	MGAT2	mannosyl (alpha-1,6-)- glycoprotei n beta-1,2- N- acetylgluc osaminyltr ansferase	0.128951	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0010 15883	MGAT2	mannosyl (alpha-1,6-)- glycoprotei n beta-1,2- N- acetylgluc osaminyltr ansferase	0.419882	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0010 15883	MGAT2	mannosyl (alpha-1,6-)- glycoprotei n beta-1,2- N- acetylgluc osaminyltr ansferase	1.138676	Inlier
siRNA Disorazole DMSO Run2	NM_0010 15883	MGAT2	mannosyl (alpha-1,6-)- glycoprotei n beta-1,2- N- acetylgluc osaminyltr ansferase	1.81129	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_002409	MGAT3	mannosyl (beta-1,4)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase	-1.350643	Inlier
siRNA Disorazole DMSO Run2	NM_002409	MGAT3	mannosyl (beta-1,4)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase	-0.35815	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002409	MGAT3	mannosyl (beta-1,4)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase	-0.224901	Inlier
siRNA Disorazole DMSO Run1	NM_002409	MGAT3	mannosyl (beta-1,4)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase	-0.04811	Inlier
siRNA Disorazole DMSO Run3	NM_002409	MGAT3	mannosyl (beta-1,4)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase	0.048113	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_002409	MGAT3	mannosyl (beta-1,4-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase	0.99085	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002409	MGAT3	mannosyl (beta-1,4-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase	1.586351	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002409	MGAT3	mannosyl (beta-1,4-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase	1.902763	Inlier
siRNA-Vinblastine Run2-DMSO	NM_012214	MGAT4A	mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isoenzyme A	-1.224051	Inlier
siRNA-Temozolomide Run2-DMSO	NM_012214	MGAT4A	mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isoenzyme A	-1.117264	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_012214	MGAT4A	mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isoenzyme A	-0.05114	Inlier
siRNA-Temozolomide Run1-DMSO	NM_012214	MGAT4A	mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isoenzyme A	-0.008334	Inlier
siRNA Disorazole DMSO Run1	NM_012214	MGAT4A	mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isoenzyme A	0.008334	Inlier
siRNA Disorazole DMSO Run3	NM_012214	MGAT4A	mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isoenzyme A	0.231736	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0122 14	MGAT4A	mannosyl (alpha-1,3-)- glycoprotei n beta-1,4- N- acetylgluc osaminyltr ansferase, isoenzyme A	1.741706	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0122 14	MGAT4A	mannosyl (alpha-1,3-)- glycoprotei n beta-1,4- N- acetylgluc osaminyltr ansferase, isoenzyme A	1.977813	Inlier
siRNA Disorazole DMSO Run1	NM_0142 75	MGAT4B	mannosyl (alpha-1,3-)- glycoprotei n beta-1,4- N- acetylgluc osaminyltr ansferase, isoenzyme B	-0.942964	Inlier
siRNA Disorazole DMSO Run3	NM_0142 75	MGAT4B	mannosyl (alpha-1,3-)- glycoprotei n beta-1,4- N- acetylgluc osaminyltr ansferase, isoenzyme B	-0.406036	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_014275	MGAT4B	mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isoenzyme B	-0.135983	Inlier
siRNA-Temozolomide Run1-DMSO	NM_014275	MGAT4B	mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isoenzyme B	-0.005277	Inlier
siRNA-Temozolomide Run2-DMSO	NM_014275	MGAT4B	mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isoenzyme B	0.005277	Inlier
siRNA-Temozolomide Run3-DMSO	NM_014275	MGAT4B	mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isoenzyme B	1.586402	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0142 75	MGAT4B	mannosyl (alpha-1,3-)- glycoprotei n beta-1,4- N- acetylgluc osaminyltr ansferase, isoenzyme B	2.193356	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0142 75	MGAT4B	mannosyl (alpha-1,3-)- glycoprotei n beta-1,4- N- acetylgluc osaminyltr ansferase, isoenzyme B	2.392257	Inlier
siRNA Disorazole DMSO Run1	NM_0024 10	MGAT5	mannosyl (alpha-1,6-)- glycoprotei n beta-1,6- N-acetyl- glucosami nyltransfer ase	-0.829987	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0024 10	MGAT5	mannosyl (alpha-1,6-)- glycoprotei n beta-1,6- N-acetyl- glucosami nyltransfer ase	-0.725589	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	10	NM_0024	MGAT5	mannosyl (alpha-1,6-)- glycoprotei n beta-1,6- N-acetyl- glucosami nyltransfer ase	-0.589067	Inlier
siRNA-Vinblastine Run2- DMSO	10	NM_0024	MGAT5	mannosyl (alpha-1,6-)- glycoprotei n beta-1,6- N-acetyl- glucosami nyltransfer ase	-0.172041	Inlier
siRNA-Temozolomide Run2- DMSO	10	NM_0024	MGAT5	mannosyl (alpha-1,6-)- glycoprotei n beta-1,6- N-acetyl- glucosami nyltransfer ase	0.172041	Inlier
siRNA-Temozolomide Run1- DMSO	10	NM_0024	MGAT5	mannosyl (alpha-1,6-)- glycoprotei n beta-1,6- N-acetyl- glucosami nyltransfer ase	0.623411	Inlier
siRNA Disorazole DMSO Run2	10	NM_0024	MGAT5	mannosyl (alpha-1,6-)- glycoprotei n beta-1,6- N-acetyl- glucosami nyltransfer ase	1.394018	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_002410	MGAT5	mannosyl (alpha-1,6-)-glycoprotein beta-1,6-N-acetylglucosaminyltransferase	1.447833	Inlier
siRNA-Vinblastine Run2-DMSO	NM_153329	MGC10204	aldehyde dehydrogenase 16 family, member A1	-1.969192	Inlier
siRNA-Temozolomide Run2-DMSO	NM_153329	MGC10204	aldehyde dehydrogenase 16 family, member A1	-0.646954	Inlier
siRNA-Temozolomide Run3-DMSO	NM_153329	MGC10204	aldehyde dehydrogenase 16 family, member A1	-0.53895	Inlier
siRNA Disorazole DMSO Run1	NM_153329	MGC10204	aldehyde dehydrogenase 16 family, member A1	-0.42329	Inlier
siRNA-Temozolomide Run1-DMSO	NM_153329	MGC10204	aldehyde dehydrogenase 16 family, member A1	0.42329	Inlier
siRNA Disorazole DMSO Run3	NM_153329	MGC10204	aldehyde dehydrogenase 16 family, member A1	0.702046	Inlier
siRNA Disorazole DMSO Run2	NM_153329	MGC10204	aldehyde dehydrogenase 16 family, member A1	2.284076	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			aldehyde dehydroge nase 16 family, member	
siRNA-Vinblastine Run1- DMSO	NM_1533 29	MGC1020 4	A1	4.194257 Outlier
	NM_0314	MGC1113	MGC1113	
siRNA Disorazole DMSO Run1	72	4	4	-0.931595 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0314 72	MGC1113 4	MGC1113 4	-0.824948 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0314 72	MGC1113 4	MGC1113 4	-0.524051 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0314 72	MGC1113 4	MGC1113 4	-0.022123 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0314 72	MGC1113 4	MGC1113 4	0.022122 Inlier
	NM_0314	MGC1113	MGC1113	
siRNA Disorazole DMSO Run3	72	4	4	0.328379 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0314 72	MGC1113 4	MGC1113 4	9.999849 Outlier
	NM_0314	MGC1113	MGC1113	
siRNA Disorazole DMSO Run2	72	4	4	10.01883 Outlier
			dual specificity phosphata se 26	
siRNA-Temozolomide Run2- DMSO	NM_0240 25	MGC1136	(putative)	-0.71684 Inlier
			dual specificity phosphata se 26	
siRNA Disorazole DMSO Run3	NM_0240 25	MGC1136	(putative)	-0.63216 Inlier
			dual specificity phosphata se 26	
siRNA-Temozolomide Run3- DMSO	NM_0240 25	MGC1136	(putative)	-0.455749 Inlier
			dual specificity phosphata se 26	
siRNA Disorazole DMSO Run2	NM_0240 25	MGC1136	(putative)	-0.214994 Inlier
			dual specificity phosphata se 26	
siRNA-Temozolomide Run1- DMSO	NM_0240 25	MGC1136	(putative)	0.214994 Inlier
			dual specificity phosphata se 26	
siRNA Disorazole DMSO Run1	NM_0240 25	MGC1136	(putative)	2.7026 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			dual specificity phosphata se 26	
siRNA-Vinblastine Run2- DMSO	NM_0240 25	MGC1136	(putative)	3.346534 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0240 25	MGC1136	(putative)	3.608267 Outlier
siRNA-Temozolomide Run3- DMSO	NM_0323 69	MGC1561 9	MGC1561 9	-1.461391 Inlier
siRNA Disorazole DMSO Run2	NM_0323 69	MGC1561 9	MGC1561 9	-0.765743 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0323 69	MGC1561 9	MGC1561 9	-0.583257 Inlier
siRNA Disorazole DMSO Run3	NM_0323 69	MGC1561 9	MGC1561 9	-0.01999 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0323 69	MGC1561 9	MGC1561 9	0.01999 Inlier
siRNA Disorazole DMSO Run1	NM_0323 69	MGC1561 9	MGC1561 9	0.179036 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0323 69	MGC1561 9	MGC1561 9	1.043029 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0323 69	MGC1561 9	MGC1561 9	1.558047 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0327 56	MGC1566 8	MGC1566 8	-1.099073 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0327 56	MGC1566 8	MGC1566 8	-0.874581 Inlier
siRNA Disorazole DMSO Run1	NM_0327 56	MGC1566 8	MGC1566 8	-0.557904 Inlier
siRNA Disorazole DMSO Run3	NM_0327 56	MGC1566 8	MGC1566 8	-0.194325 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0327 56	MGC1566 8	MGC1566 8	0.194325 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0327 56	MGC1566 8	MGC1566 8	0.209065 Inlier
siRNA Disorazole DMSO Run2	NM_0327 56	MGC1566 8	MGC1566 8	0.791096 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0327 56	MGC1566 8	MGC1566 8	0.950418 Inlier
siRNA Disorazole DMSO Run3	NM_1383 81	MGC1576 3	MGC1576 3	-1.416671 Inlier
siRNA-Vinblastine Run2- DMSO	NM_1383 81	MGC1576 3	MGC1576 3	-0.797549 Inlier
siRNA-Temozolomide Run3- DMSO	NM_1383 81	MGC1576 3	MGC1576 3	-0.270211 Inlier
siRNA-Temozolomide Run1- DMSO	NM_1383 81	MGC1576 3	MGC1576 3	-0.019229 Inlier
siRNA-Temozolomide Run2- DMSO	NM_1383 81	MGC1576 3	MGC1576 3	0.019229 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_1383	MGC1576	MGC1576	
siRNA Disorazole DMSO Run1	81	3	3	0.551451 Inlier
	NM_1383	MGC1576	MGC1576	
siRNA Disorazole DMSO Run2	81	3	3	5.434625 Outlier
siRNA-Vinblastine Run1-DMSO	NM_1383	MGC1576	MGC1576	
	81	3	3	7.560486 Outlier
	NM_1533	MGC1587	MGC1587	
siRNA Disorazole DMSO Run1	73	5	5	-0.817545 Inlier
	NM_1533	MGC1587	MGC1587	
siRNA Disorazole DMSO Run3	73	5	5	-0.531455 Inlier
siRNA-Temozolomide Run1-DMSO	NM_1533	MGC1587	MGC1587	
	73	5	5	-0.294884 Inlier
siRNA-Temozolomide Run3-DMSO	NM_1533	MGC1587	MGC1587	
	73	5	5	-0.036804 Inlier
siRNA-Temozolomide Run2-DMSO	NM_1533	MGC1587	MGC1587	
	73	5	5	0.036805 Inlier
siRNA-Vinblastine Run2-DMSO	NM_1533	MGC1587	MGC1587	
	73	5	5	1.384141 Inlier
siRNA-Vinblastine Run1-DMSO	NM_1533	MGC1587	MGC1587	
	73	5	5	1.562764 Inlier
	NM_1533	MGC1587	MGC1587	
siRNA Disorazole DMSO Run2	73	5	5	1.629018 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0331	MGC1616	MGC1616	
	15	9	9	-1.40203 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0331	MGC1616	MGC1616	
	15	9	9	-0.866677 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0331	MGC1616	MGC1616	
	15	9	9	-0.697797 Inlier
	NM_0331	MGC1616	MGC1616	
siRNA Disorazole DMSO Run2	15	9	9	-0.491994 Inlier
	NM_0331	MGC1616	MGC1616	
siRNA Disorazole DMSO Run3	15	9	9	0.491994 Inlier
	NM_0331	MGC1616	MGC1616	
siRNA Disorazole DMSO Run1	15	9	9	0.522004 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0331	MGC1616	MGC1616	
	15	9	9	0.651203 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0331	MGC1616	MGC1616	
	15	9	9	0.812065 Inlier
	NM_0323	MGC1618	MGC1618	
siRNA Disorazole DMSO Run2	72	6	6	-2.022865 Inlier
	NM_0323	MGC1618	MGC1618	
siRNA Disorazole DMSO Run3	72	6	6	-1.46661 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0323	MGC1618	MGC1618	
	72	6	6	-0.629262 Inlier
	NM_0323	MGC1618	MGC1618	
siRNA Disorazole DMSO Run1	72	6	6	-0.32567 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0323	MGC1618	MGC1618	
	72	6	6	0.32567 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0323	MGC1618	MGC1618	
	72	6	6	0.569159 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0323	MGC1618	MGC1618	
	72	6	6	0.719738 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Vinblastine Run1- DMSO	NM_0323	MGC1618	MGC1618		
	72	6	6	1.767406	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1450	MGC1670	MGC1670		
	42	3	3	-1.217462	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1450	MGC1670	MGC1670		
	42	3	3	-0.875087	Inlier
siRNA Disorazole DMSO Run3	NM_1450	MGC1670	MGC1670		
	42	3	3	-0.858005	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1450	MGC1670	MGC1670		
	42	3	3	-0.06169	Inlier
siRNA Disorazole DMSO Run1	NM_1450	MGC1670	MGC1670		
	42	3	3	0.06169	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1450	MGC1670	MGC1670		
	42	3	3	0.207612	Inlier
siRNA Disorazole DMSO Run2	NM_1450	MGC1670	MGC1670		
	42	3	3	0.490995	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1450	MGC1670	MGC1670		
	42	3	3	0.868683	Inlier
siRNA Disorazole DMSO Run1	NM_1526	MGC1730	MGC1730		
	37	1	1	-1.112792	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1526	MGC1730	MGC1730		
	37	1	1	-0.558369	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1526	MGC1730	MGC1730		
	37	1	1	-0.432506	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1526	MGC1730	MGC1730		
	37	1	1	-0.379711	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1526	MGC1730	MGC1730		
	37	1	1	0.379711	Inlier
siRNA Disorazole DMSO Run3	NM_1526	MGC1730	MGC1730		
	37	1	1	0.790631	Inlier
siRNA Disorazole DMSO Run2	NM_1526	MGC1730	MGC1730		
	37	1	1	1.895954	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1526	MGC1730	MGC1730		
	37	1	1	2.491009	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0185	MGC2074	ubiquitin specific protease 49		
	61	1		-0.759497	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0185	MGC2074	ubiquitin specific protease 49		
	61	1		-0.589503	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0185	MGC2074	ubiquitin specific protease 49		
	61	1		-0.459409	Inlier
siRNA Disorazole DMSO Run2	NM_0185	MGC2074	ubiquitin specific protease 49		
	61	1		-0.231294	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			ubiquitin specific		
siRNA Disorazole DMSO Run1	NM_0185 61	MGC2074 1	protease 49	0.231294	Inlier
			ubiquitin specific		
siRNA-Vinblastine Run1-DMSO	NM_0185 61	MGC2074 1	protease 49	1.764337	Inlier
			ubiquitin specific		
siRNA-Vinblastine Run2-DMSO	NM_0185 61	MGC2074 1	protease 49	2.075636	Inlier
			ubiquitin specific		
siRNA Disorazole DMSO Run3	NM_0185 61	MGC2074 1	protease 49	3.136664	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1446 83	MGC2328 0	MGC2328 0	-0.803387	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1446 83	MGC2328 0	MGC2328 0	-0.676629	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1446 83	MGC2328 0	MGC2328 0	-0.434315	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1446 83	MGC2328 0	MGC2328 0	-0.385759	Inlier
			MGC2328		
siRNA Disorazole DMSO Run3	NM_1446 83	MGC2328 0	MGC2328 0	0.385758	Inlier
			MGC2328		
siRNA Disorazole DMSO Run1	NM_1446 83	MGC2328 0	MGC2328 0	0.672371	Inlier
			MGC2328		
siRNA Disorazole DMSO Run2	NM_1446 83	MGC2328 0	MGC2328 0	2.742006	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1446 83	MGC2328 0	MGC2328 0	3.140042	Inlier
			MGC2328		
siRNA Disorazole DMSO Run1	NM_0323 31	MGC2408	MGC2408	-6.412959	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0323 31	MGC2408	MGC2408	-0.686603	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0323 31	MGC2408	MGC2408	-0.662397	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0323 31	MGC2408	MGC2408	-0.351826	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0323 31	MGC2408	MGC2408	0.351826	Inlier
			MGC2408		
siRNA Disorazole DMSO Run3	NM_0323 31	MGC2408	MGC2408	0.537154	Inlier
			MGC2408		
siRNA Disorazole DMSO Run2	NM_0323 31	MGC2408	MGC2408	1.332572	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0323 31	MGC2408	MGC2408	3.342995	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1527 00	MGC2659 7	MGC2659 7	-1.8469	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1527 00	MGC2659 7	MGC2659 7	-1.173074	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_1527	MGC2659	MGC2659		
siRNA Disorazole DMSO Run1	00	7	7	-0.5303	Inlier
siRNA-Temozolomide Run2-	NM_1527	MGC2659	MGC2659		
DMSO	00	7	7	-0.315727	Inlier
siRNA-Vinblastine Run1-	NM_1527	MGC2659	MGC2659		
DMSO	00	7	7	0.315728	Inlier
siRNA Disorazole DMSO Run2	NM_1527	MGC2659	MGC2659		
siRNA-Vinblastine Run2-	NM_1527	MGC2659	MGC2659		
DMSO	00	7	7	0.753337	Inlier
siRNA Disorazole DMSO Run3	NM_1527	MGC2659	MGC2659		
	00	7	7	4.690643	Outlier
			proteasom e (prosome, macropain) subunit, alpha type,		
siRNA-Temozolomide Run3-	NM_1446	MGC2660	8	-1.844679	Inlier
DMSO	62	5	8		
			proteasom e (prosome, macropain) subunit, alpha type,		
siRNA-Temozolomide Run2-	NM_1446	MGC2660	8	-1.471454	Inlier
DMSO	62	5	8		
			proteasom e (prosome, macropain) subunit, alpha type,		
siRNA Disorazole DMSO Run1	NM_1446	MGC2660	8	-0.309163	Inlier
	62	5	8		
			proteasom e (prosome, macropain) subunit, alpha type,		
siRNA Disorazole DMSO Run3	NM_1446	MGC2660	8	-0.034733	Inlier
	62	5	8		
			proteasom e (prosome, macropain) subunit, alpha type,		
siRNA-Temozolomide Run1-	NM_1446	MGC2660	8	0.034733	Inlier
DMSO	62	5	8		

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_144662	MGC26605	proteasome (prosome, macropain) subunit, alpha type, 8	0.541728	Inlier
siRNA-Vinblastine Run1-DMSO	NM_144662	MGC26605	proteasome (prosome, macropain) subunit, alpha type, 8	0.807272	Inlier
siRNA Disorazole DMSO Run2	NM_144662	MGC26605	proteasome (prosome, macropain) subunit, alpha type, 8	1.106663	Inlier
siRNA-Temozolomide Run3-DMSO	NM_173824	MGC26717	MGC26717	-3.734308	Outlier
siRNA-Temozolomide Run1-DMSO	NM_173824	MGC26717	MGC26717	-1.59551	Inlier
siRNA-Temozolomide Run2-DMSO	NM_173824	MGC26717	MGC26717	-0.542793	Inlier
siRNA Disorazole DMSO Run1	NM_173824	MGC26717	MGC26717	-0.23514	Inlier
siRNA Disorazole DMSO Run2	NM_173824	MGC26717	MGC26717	0.23514	Inlier
siRNA Disorazole DMSO Run3	NM_173824	MGC26717	MGC26717	0.243321	Inlier
siRNA-Vinblastine Run2-DMSO	NM_173824	MGC26717	MGC26717	0.806206	Inlier
siRNA-Vinblastine Run1-DMSO	NM_173824	MGC26717	MGC26717	2.283757	Inlier
siRNA-Temozolomide Run3-DMSO	NM_152779	MGC26856	MGC26856	-1.892044	Inlier
siRNA-Temozolomide Run2-DMSO	NM_152779	MGC26856	MGC26856	-0.919792	Inlier
siRNA Disorazole DMSO Run3	NM_152779	MGC26856	MGC26856	-0.300414	Inlier
siRNA Disorazole DMSO Run2	NM_152779	MGC26856	MGC26856	-0.123608	Inlier
siRNA-Temozolomide Run1-DMSO	NM_152779	MGC26856	MGC26856	0.123608	Inlier
siRNA Disorazole DMSO Run1	NM_152779	MGC26856	MGC26856	0.429208	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA-Vinblastine Run2- DMSO	NM_1527 79	MGC2685 6	MGC2685 6	1.624549	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1527 79	MGC2685 6	MGC2685 6	1.715068	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1738 04	MGC3020 8	MGC3020 8	-0.891832	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1738 04	MGC3020 8	MGC3020 8	-0.521071	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1738 04	MGC3020 8	MGC3020 8	-0.168372	Inlier
siRNA Disorazole DMSO Run2	NM_1738 04	MGC3020 8	MGC3020 8	-0.011297	Inlier
siRNA Disorazole DMSO Run1	NM_1738 04	MGC3020 8	MGC3020 8	0.011296	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1738 04	MGC3020 8	MGC3020 8	0.827929	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1738 04	MGC3020 8	MGC3020 8	1.18917	Inlier
siRNA Disorazole DMSO Run3	NM_1738 04	MGC3020 8	MGC3020 8	1.816596	Inlier
siRNA Disorazole DMSO Run2	NM_1532 05	MGC3400 7	chromoso me 10 open reading frame 98	-3.059948	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1532 05	MGC3400 7	chromoso me 10 open reading frame 98	-0.795608	Inlier
siRNA Disorazole DMSO Run1	NM_1532 05	MGC3400 7	chromoso me 10 open reading frame 98	-0.199085	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1532 05	MGC3400 7	chromoso me 10 open reading frame 98	-0.077716	Inlier
siRNA Disorazole DMSO Run3	NM_1532 05	MGC3400 7	chromoso me 10 open reading frame 98	0.077716	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1532 05	MGC3400 7	chromoso me 10 open reading frame 98	0.553392	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			chromoso me 10 open reading frame 98	
siRNA-Vinblastine Run1- DMSO	NM_1532 05	MGC3400 7	chromoso me 10 open reading frame 98	1.173313 Inlier
siRNA-Vinblastine Run2- DMSO	NM_1532 05	MGC3400 7	chromoso me 10 open reading frame 98	2.20551 Inlier
siRNA-Temozolomide Run3- DMSO	NM_1526 97	MGC3403 2	MGC3403 2	-4.253118 Outlier
siRNA-Temozolomide Run2- DMSO	NM_1526 97	MGC3403 2	MGC3403 2	-3.235997 Inlier
siRNA Disorazole DMSO Run2	NM_1526 97	MGC3403 2	MGC3403 2	-3.113135 Inlier
siRNA-Temozolomide Run1- DMSO	NM_1526 97	MGC3403 2	MGC3403 2	-0.081002 Inlier
siRNA Disorazole DMSO Run1	NM_1526 97	MGC3403 2	MGC3403 2	0.081002 Inlier
siRNA-Vinblastine Run1- DMSO	NM_1526 97	MGC3403 2	MGC3403 2	0.134591 Inlier
siRNA Disorazole DMSO Run3	NM_1526 97	MGC3403 2	MGC3403 2	0.222197 Inlier
siRNA-Vinblastine Run2- DMSO	NM_1526 97	MGC3403 2	MGC3403 2	1.126803 Inlier
siRNA-Temozolomide Run3- DMSO	NM_1736 37	MGC3472 5	MGC3472 5	-1.034091 Inlier
siRNA-Temozolomide Run2- DMSO	NM_1736 37	MGC3472 5	MGC3472 5	-0.757505 Inlier
siRNA-Temozolomide Run1- DMSO	NM_1736 37	MGC3472 5	MGC3472 5	-0.591495 Inlier
siRNA Disorazole DMSO Run2	NM_1736 37	MGC3472 5	MGC3472 5	-0.081258 Inlier
siRNA Disorazole DMSO Run3	NM_1736 37	MGC3472 5	MGC3472 5	0.081258 Inlier
siRNA Disorazole DMSO Run1	NM_1736 37	MGC3472 5	MGC3472 5	0.327397 Inlier
siRNA-Vinblastine Run2- DMSO	NM_1736 37	MGC3472 5	MGC3472 5	2.076285 Inlier
siRNA-Vinblastine Run1- DMSO	NM_1736 37	MGC3472 5	MGC3472 5	2.633668 Inlier
siRNA-Temozolomide Run3- DMSO	NM_1735 86	MGC3482 1	MGC3482 1	-1.905183 Inlier
siRNA-Vinblastine Run2- DMSO	NM_1735 86	MGC3482 1	MGC3482 1	-0.483737 Inlier
siRNA Disorazole DMSO Run3	NM_1735 86	MGC3482 1	MGC3482 1	-0.342727 Inlier
siRNA-Temozolomide Run2- DMSO	NM_1735 86	MGC3482 1	MGC3482 1	-0.142849 Inlier
siRNA-Temozolomide Run1- DMSO	NM_1735 86	MGC3482 1	MGC3482 1	0.142849 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_1735	MGC3482	MGC3482		
siRNA Disorazole DMSO Run1	86	1	1	0.865263	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1735	MGC3482	MGC3482		
	86	1	1	1.016045	Inlier
siRNA Disorazole DMSO Run2	NM_1735	MGC3482	MGC3482		
	86	1	1	1.293863	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1524	MGC3513	E2U (putative) ubiquitin-conjugating enzyme	-2.606629	Inlier
	89	0			
siRNA-Temozolomide Run2-DMSO	NM_1524	MGC3513	E2U (putative) ubiquitin-conjugating enzyme	-1.105818	Inlier
	89	0			
siRNA Disorazole DMSO Run3	NM_1524	MGC3513	E2U (putative) ubiquitin-conjugating enzyme	-0.232682	Inlier
	89	0			
siRNA-Vinblastine Run2-DMSO	NM_1524	MGC3513	E2U (putative) ubiquitin-conjugating enzyme	-0.057667	Inlier
	89	0			
siRNA Disorazole DMSO Run1	NM_1524	MGC3513	E2U (putative) ubiquitin-conjugating enzyme	0.057667	Inlier
	89	0			
siRNA-Temozolomide Run1-DMSO	NM_1524	MGC3513	E2U (putative) ubiquitin-conjugating enzyme	0.243182	Inlier
	89	0			
siRNA Disorazole DMSO Run2	NM_1524	MGC3513	E2U (putative) ubiquitin-conjugating enzyme	1.74742	Inlier
	89	0			
siRNA-Vinblastine Run1-DMSO	NM_1524	MGC3513	E2U (putative)	1.833146	Inlier
	89	0			
siRNA-Temozolomide Run3-DMSO	NM_1524	MGC3965	MGC3965	-1.720085	Inlier
	65	0	0		
siRNA-Temozolomide Run2-DMSO	NM_1524	MGC3965	MGC3965	-1.102242	Inlier
	65	0	0		
siRNA-Vinblastine Run2-DMSO	NM_1524	MGC3965	MGC3965	-0.246758	Inlier
	65	0	0		

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA Treatment	Gene	Accession	Accession	Accession	Log2FC	Outlier
siRNA-Temozolomide Run1-DMSO	NM_1524	MGC3965	MGC3965	MGC3965	-0.022978	Inlier
siRNA Disorazole DMSO Run1	NM_1524	MGC3965	MGC3965	MGC3965	0.022978	Inlier
siRNA Disorazole DMSO Run3	NM_1524	MGC3965	MGC3965	MGC3965	0.086669	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1524	MGC3965	MGC3965	MGC3965	1.127582	Inlier
siRNA Disorazole DMSO Run2	NM_1524	MGC3965	MGC3965	MGC3965	1.769121	Inlier
				olfactory receptor, family 2, subfamily		
siRNA-Temozolomide Run3-DMSO	NM_1759	MGC4004	MGC4004	MGC4004	-0.804672	Inlier
				olfactory receptor, family 2, subfamily		
siRNA-Temozolomide Run2-DMSO	NM_1759	MGC4004	MGC4004	MGC4004	-0.544328	Inlier
				olfactory receptor, family 2, subfamily		
siRNA-Temozolomide Run1-DMSO	NM_1759	MGC4004	MGC4004	MGC4004	-0.381345	Inlier
				olfactory receptor, family 2, subfamily		
siRNA Disorazole DMSO Run2	NM_1759	MGC4004	MGC4004	MGC4004	-0.093816	Inlier
				olfactory receptor, family 2, subfamily		
siRNA Disorazole DMSO Run1	NM_1759	MGC4004	MGC4004	MGC4004	0.093816	Inlier
				olfactory receptor, family 2, subfamily		
siRNA-Vinblastine Run1-DMSO	NM_1759	MGC4004	MGC4004	MGC4004	0.893277	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_1759 11	MGC4004 7	olfactory receptor, family 2, subfamily L, member 13	0.972541	Inlier
siRNA Disorazole DMSO Run3	NM_1759 11	MGC4004 7	olfactory receptor, family 2, subfamily L, member 13	0.996488	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0325 25	MGC4083	tubulin, beta 6	-0.961431	Inlier
siRNA Disorazole DMSO Run3	NM_0325 25	MGC4083	tubulin, beta 6	-0.931283	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0325 25	MGC4083	tubulin, beta 6	-0.417717	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0325 25	MGC4083	tubulin, beta 6	-0.089717	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0325 25	MGC4083	tubulin, beta 6	0.089716	Inlier
siRNA Disorazole DMSO Run1	NM_0325 25	MGC4083	tubulin, beta 6	0.252731	Inlier
siRNA Disorazole DMSO Run2	NM_0325 25	MGC4083	tubulin, beta 6	0.934713	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0325 25	MGC4083	tubulin, beta 6	1.357352	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0243 07	MGC4171	glycerophosphodiester domain containing 3	-1.030268	Inlier
siRNA Disorazole DMSO Run1	NM_0243 07	MGC4171	glycerophosphodiester domain containing 3	-0.788956	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			glycerophosphodiesterase domain containing		
siRNA-Vinblastine Run1-DMSO	NM_024307	MGC4171	3	-0.560044	Inlier
			glycerophosphodiesterase domain containing		
siRNA-Temozolomide Run2-DMSO	NM_024307	MGC4171	3	-0.11987	Inlier
			glycerophosphodiesterase domain containing		
siRNA-Vinblastine Run2-DMSO	NM_024307	MGC4171	3	0.11987	Inlier
			glycerophosphodiesterase domain containing		
siRNA-Temozolomide Run1-DMSO	NM_024307	MGC4171	3	0.188554	Inlier
			glycerophosphodiesterase domain containing		
siRNA Disorazole DMSO Run2	NM_024307	MGC4171	3	0.949221	Inlier
			glycerophosphodiesterase domain containing		
siRNA Disorazole DMSO Run3	NM_024307	MGC4171	3	2.563936	Inlier
siRNA-Temozolomide Run1-DMSO	NM_024308	MGC4172	MGC4172	-0.891882	Inlier
siRNA-Temozolomide Run2-DMSO	NM_024308	MGC4172	MGC4172	-0.699277	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA-Temozolomide Run3- DMSO	NM_0243 08	MGC4172	MGC4172	-0.213951	Inlier
siRNA Disorazole DMSO Run1	NM_0243 08	MGC4172	MGC4172	-0.058215	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0243 08	MGC4172	MGC4172	0.058215	Inlier
siRNA Disorazole DMSO Run3	NM_0243 08	MGC4172	MGC4172	0.649723	Inlier
siRNA Disorazole DMSO Run2	NM_0243 08	MGC4172	MGC4172	2.665997	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0243 08	MGC4172	MGC4172	3.028544	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1533 61	MGC4210 5	MGC4210 5	-1.289991	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1533 61	MGC4210 5	MGC4210 5	-1.065837	Inlier
siRNA Disorazole DMSO Run2	NM_1533 61	MGC4210 5	MGC4210 5	-0.611935	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1533 61	MGC4210 5	MGC4210 5	-0.066727	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1533 61	MGC4210 5	MGC4210 5	0.066727	Inlier
siRNA Disorazole DMSO Run3	NM_1533 61	MGC4210 5	MGC4210 5	0.423197	Inlier
siRNA Disorazole DMSO Run1	NM_1533 61	MGC4210 5	MGC4210 5	0.737065	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1533 61	MGC4210 5	MGC4210 5	1.268695	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1785 27	MGC4302 6	solute carrier family 9, isoform 11	-3.578638	Outlier
siRNA-Temozolomide Run2- DMSO	NM_1785 27	MGC4302 6	solute carrier family 9, isoform 11	-0.784209	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1785 27	MGC4302 6	solute carrier family 9, isoform 11	-0.049883	Inlier
siRNA Disorazole DMSO Run3	NM_1785 27	MGC4302 6	solute carrier family 9, isoform 11	-0.032068	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1785 27	MGC4302 6	solute carrier family 9, isoform 11	0.032068	Inlier
siRNA Disorazole DMSO Run2	NM_1785 27	MGC4302 6	solute carrier family 9, isoform 11	0.564791	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1785 27	MGC4302 6	solute carrier family 9, isoform 11	3.235328	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1785 27	MGC4302 6	solute carrier family 9, isoform 11 doublecort in and CaM	3.797658	Outlier
siRNA-Temozolomide Run3-DMSO	NM_1526 19	MGC4542 8	kinase-like 2 doublecort in and CaM	-0.950954	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1526 19	MGC4542 8	kinase-like 2 doublecort in and CaM	-0.398046	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1526 19	MGC4542 8	kinase-like 2 doublecort in and CaM	-0.090484	Inlier
siRNA Disorazole DMSO Run3	NM_1526 19	MGC4542 8	kinase-like 2 doublecort in and CaM	-0.087869	Inlier
siRNA Disorazole DMSO Run2	NM_1526 19	MGC4542 8	kinase-like 2 doublecort in and CaM	0.087869	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1526 19	MGC4542 8	kinase-like 2	1.617201	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_1526 19	MGC4542 8	doublecort in and CaM kinase-like 2	1.716751	Inlier
siRNA Disorazole DMSO Run1	NM_1526 19	MGC4542 8	doublecort in and CaM kinase-like 2	2.221592	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1523 04	MGC4580 6	MGC4580 6	-2.408817	Inlier
siRNA Disorazole DMSO Run1	NM_1523 04	MGC4580 6	MGC4580 6	-1.787657	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1523 04	MGC4580 6	MGC4580 6	-1.366032	Inlier
siRNA Disorazole DMSO Run3	NM_1523 04	MGC4580 6	MGC4580 6	-0.025279	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1523 04	MGC4580 6	MGC4580 6	0.025277	Inlier
siRNA Disorazole DMSO Run2	NM_1523 04	MGC4580 6	MGC4580 6	0.172022	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1523 04	MGC4580 6	MGC4580 6	0.512697	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1523 04	MGC4580 6	MGC4580 6	0.836303	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0320 17	MGC4796	serine/thre onine kinase 40	-1.120461	Inlier
siRNA Disorazole DMSO Run2	NM_0320 17	MGC4796	serine/thre onine kinase 40	-1.094037	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0320 17	MGC4796	serine/thre onine kinase 40	-0.492418	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0320 17	MGC4796	serine/thre onine kinase 40	-0.05877	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0320 17	MGC4796	serine/thre onine kinase 40	0.05877	Inlier
siRNA Disorazole DMSO Run3	NM_0320 17	MGC4796	serine/thre onine kinase 40	0.261992	Inlier
siRNA Disorazole DMSO Run1	NM_0320 17	MGC4796	serine/thre onine kinase 40	0.856582	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0320 17	MGC4796	serine/thre onine kinase 40	1.448744	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1738 02	MGC5055 9	MGC5055 9	-1.852644	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Temozolomide Run2- DMSO	NM_1738 02	MGC5055 9	MGC5055 9	-0.969572	Inlier
siRNA Disorazole DMSO Run3	NM_1738 02	MGC5055 9	MGC5055 9	-0.611447	Inlier
siRNA Disorazole DMSO Run1	NM_1738 02	MGC5055 9	MGC5055 9	-0.03039	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1738 02	MGC5055 9	MGC5055 9	0.03039	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1738 02	MGC5055 9	MGC5055 9	0.269964	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1738 02	MGC5055 9	MGC5055 9	0.737553	Inlier
siRNA Disorazole DMSO Run2	NM_1738 02	MGC5055 9	MGC5055 9	0.86075	Inlier
siRNA Disorazole DMSO Run1	NM_1785 71	MGC5102 5	MGC5102 5	-1.189523	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1785 71	MGC5102 5	MGC5102 5	-0.736244	Inlier
siRNA Disorazole DMSO Run2	NM_1785 71	MGC5102 5	MGC5102 5	-0.196655	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1785 71	MGC5102 5	MGC5102 5	-0.096262	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1785 71	MGC5102 5	MGC5102 5	0.096262	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1785 71	MGC5102 5	MGC5102 5	0.612756	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1785 71	MGC5102 5	MGC5102 5	1.420343	Inlier
siRNA Disorazole DMSO Run3	NM_1785 71	MGC5102 5	MGC5102 5	3.782219	Outlier
siRNA-Temozolomide Run3- DMSO	NM_1784 53	MGC5228 2	MGC5228 2	-1.220117	Inlier
siRNA Disorazole DMSO Run2	NM_1784 53	MGC5228 2	MGC5228 2	-0.922847	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1784 53	MGC5228 2	MGC5228 2	-0.791179	Inlier
siRNA Disorazole DMSO Run1	NM_1784 53	MGC5228 2	MGC5228 2	-0.022687	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1784 53	MGC5228 2	MGC5228 2	0.022687	Inlier
siRNA Disorazole DMSO Run3	NM_1784 53	MGC5228 2	MGC5228 2	0.061196	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1784 53	MGC5228 2	MGC5228 2	0.619969	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1784 53	MGC5228 2	MGC5228 2	0.729031	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1825 59	MGC5734 1	transmem brane protease, serine 12	-1.256126	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			transmembrane	
siRNA Disorazole DMSO Run3	NM_1825 59	MGC5734 1	protease, serine 12	-0.793498 Inlier
			transmembrane	
siRNA-Temozolomide Run3-DMSO	NM_1825 59	MGC5734 1	protease, serine 12	-0.773683 Inlier
			transmembrane	
siRNA Disorazole DMSO Run1	NM_1825 59	MGC5734 1	protease, serine 12	-0.255598 Inlier
			transmembrane	
siRNA-Temozolomide Run1-DMSO	NM_1825 59	MGC5734 1	protease, serine 12	0.255599 Inlier
			transmembrane	
siRNA-Vinblastine Run2-DMSO	NM_1825 59	MGC5734 1	protease, serine 12	0.26351 Inlier
			transmembrane	
siRNA-Vinblastine Run1-DMSO	NM_1825 59	MGC5734 1	protease, serine 12	0.575316 Inlier
			transmembrane	
siRNA Disorazole DMSO Run2	NM_1825 59	MGC5734 1	protease, serine 12	1.508514 Inlier
			CaM kinase-like vesicle-associated	
siRNA Disorazole DMSO Run2	NM_0240 46	MGC8407		-1.92023 Inlier
			CaM kinase-like vesicle-associated	
siRNA Disorazole DMSO Run3	NM_0240 46	MGC8407		-0.705071 Inlier
			CaM kinase-like vesicle-associated	
siRNA-Temozolomide Run3-DMSO	NM_0240 46	MGC8407		-0.27078 Inlier
			CaM kinase-like vesicle-associated	
siRNA-Temozolomide Run2-DMSO	NM_0240 46	MGC8407		-0.197217 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0240 46	MGC8407	CaM kinase-like vesicle- associated	0.197217	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0240 46	MGC8407	CaM kinase-like vesicle- associated	0.669347	Inlier
siRNA Disorazole DMSO Run1	NM_0240 46	MGC8407	CaM kinase-like vesicle- associated	0.679653	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0240 46	MGC8407	CaM kinase-like vesicle- associated	0.719307	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1780 12	MGC8685	MGC8685	-2.627554	Inlier
siRNA Disorazole DMSO Run1	NM_1780 12	MGC8685	MGC8685	-1.418226	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1780 12	MGC8685	MGC8685	-0.731002	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1780 12	MGC8685	MGC8685	-0.235966	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1780 12	MGC8685	MGC8685	0.235966	Inlier
siRNA Disorazole DMSO Run2	NM_1780 12	MGC8685	MGC8685	0.243611	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1780 12	MGC8685	MGC8685	0.623237	Inlier
siRNA Disorazole DMSO Run3	NM_1780 12	MGC8685	MGC8685	0.725763	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0072 83	MGLL	monoglyce ride lipase	-1.157787	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0072 83	MGLL	monoglyce ride lipase	-0.617748	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0072 83	MGLL	monoglyce ride lipase	-0.250406	Inlier
siRNA Disorazole DMSO Run3	NM_0072 83	MGLL	monoglyce ride lipase	-0.188796	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0072 83	MGLL	monoglyceride lipase	0.188796	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0072 83	MGLL	monoglyceride lipase	0.731252	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0072 83	MGLL	monoglyceride lipase	0.78565	Inlier
siRNA Disorazole DMSO Run2	NM_0072 83	MGLL	monoglyceride lipase	2.392811	Inlier
siRNA Disorazole DMSO Run3	NM_0024 12	MGMT	O-6-methylguanine-DNA methyltransferase	-1.029561	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0024 12	MGMT	O-6-methylguanine-DNA methyltransferase	-0.914213	Inlier
siRNA Disorazole DMSO Run1	NM_0024 12	MGMT	O-6-methylguanine-DNA methyltransferase	-0.434787	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0024 12	MGMT	O-6-methylguanine-DNA methyltransferase	-0.103794	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0024 12	MGMT	O-6-methylguanine-DNA methyltransferase	0.103794	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0024 12	MGMT	O-6-methylguanine-DNA methyltransferase	0.237597	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0024 12	MGMT	O-6-methylguanine-DNA methyltransferase	0.993618	Inlier
siRNA Disorazole DMSO Run2	NM_0024 12	MGMT	O-6-methylguanine-DNA methyltransferase microsomal glutathione S-	1.543795	Inlier
siRNA Disorazole DMSO Run1	NM_1457 92	MGST1	transferase 1 microsomal glutathione S-	-3.821639	Outlier
siRNA-Temozolomide Run2-DMSO	NM_1457 92	MGST1	transferase 1 microsomal glutathione S-	-0.961474	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1457 92	MGST1	transferase 1 microsomal glutathione S-	-0.292657	Inlier
siRNA Disorazole DMSO Run2	NM_1457 92	MGST1	transferase 1 microsomal glutathione S-	-0.024561	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1457 92	MGST1	transferase 1 microsomal glutathione S-	0.024561	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1457 92	MGST1	transferase 1	0.387526	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Gene	Value	Outlier
siRNA Disorazole DMSO Run3	MGST1	NM_145792	microsomal glutathione S-transferase 1	0.995144	Inlier
siRNA-Vinblastine Run2-DMSO	MGST1	NM_145792	microsomal glutathione S-transferase 1	1.129032	Inlier
siRNA-Temozolomide Run3-DMSO	MGST2	NM_002413	microsomal glutathione S-transferase 2	-1.924796	Inlier
siRNA Disorazole DMSO Run3	MGST2	NM_002413	microsomal glutathione S-transferase 2	-0.694342	Inlier
siRNA-Temozolomide Run2-DMSO	MGST2	NM_002413	microsomal glutathione S-transferase 2	-0.531989	Inlier
siRNA-Vinblastine Run2-DMSO	MGST2	NM_002413	microsomal glutathione S-transferase 2	-0.314828	Inlier
siRNA Disorazole DMSO Run1	MGST2	NM_002413	microsomal glutathione S-transferase 2	0.314828	Inlier
siRNA-Temozolomide Run1-DMSO	MGST2	NM_002413	microsomal glutathione S-transferase 2	0.654658	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Expression Value	Classification
siRNA Disorazole DMSO Run2	NM_002413	MGST2	6.320988	Outlier
siRNA-Vinblastine Run1-DMSO	NM_002413	MGST2	6.34608	Outlier
siRNA-Temozolomide Run3-DMSO	NM_004528	MGST3	-1.038888	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004528	MGST3	-1.018966	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004528	MGST3	-0.330034	Inlier
siRNA Disorazole DMSO Run3	NM_004528	MGST3	-0.028613	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004528	MGST3	0.028613	Inlier
siRNA Disorazole DMSO Run1	NM_004528	MGST3	0.149373	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Description	Value	Category
siRNA-Vinblastine Run1-DMSO	NM_004528	MGST3	microsomal glutathione S-transferase 3	3.874432	Outlier
siRNA Disorazole DMSO Run2	NM_004528	MGST3	microsomal glutathione S-transferase 3	4.544595	Outlier
siRNA-Temozolomide Run1-DMSO	NM_014632	MICAL2	microtubule associated monooxygenase, calponin and LIM domain containing 2	-0.745149	Inlier
siRNA Disorazole DMSO Run3	NM_014632	MICAL2	microtubule associated monooxygenase, calponin and LIM domain containing 2	-0.603851	Inlier
siRNA-Temozolomide Run2-DMSO	NM_014632	MICAL2	microtubule associated monooxygenase, calponin and LIM domain containing 2	-0.269065	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0146 32	MICAL2	2	microtubule associated monooxygenase, calponin and LIM domain containing	-0.245966	Inlier
siRNA Disorazole DMSO Run1	NM_0146 32	MICAL2	2	microtubule associated monooxygenase, calponin and LIM domain containing	0.245966	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0146 32	MICAL2	2	microtubule associated monooxygenase, calponin and LIM domain containing	2.35037	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0146 32	MICAL2	2	microtubule associated monooxygenase, calponin and LIM domain containing	2.396086	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0146 32	MICAL2	2	3.335989	Inlier
					microtubule associated monooxygenase, calponin and LIM domain containing
siRNA-Temozolomide Run3-DMSO	XM_03299 7	MICAL3	3	-3.151112	Inlier
					microtubule associated monooxygenase, calponin and LIM domain containing
siRNA Disorazole DMSO Run1	XM_03299 7	MICAL3	3	-1.363145	Inlier
					microtubule associated monooxygenase, calponin and LIM domain containing
siRNA-Vinblastine Run2-DMSO	XM_03299 7	MICAL3	3	-0.583916	Inlier
					microtubule associated monooxygenase, calponin and LIM domain containing

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	XM_032997	MICAL3	3	microtubule associated monooxygenase, calponin and LIM domain containing	-0.393044	Inlier
siRNA Disorazole DMSO Run3	XM_032997	MICAL3	3	microtubule associated monooxygenase, calponin and LIM domain containing	0.393046	Inlier
siRNA Disorazole DMSO Run2	XM_032997	MICAL3	3	microtubule associated monooxygenase, calponin and LIM domain containing	0.466727	Inlier
siRNA-Temozolomide Run1-DMSO	XM_032997	MICAL3	3	microtubule associated monooxygenase, calponin and LIM domain containing	0.765084	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	XM_032997	MICAL3	microtubule associated monooxygenase, calponin and LIM domain containing 3	6.531944	Outlier
siRNA-Temozolomide Run3-DMSO	NM_033290	MID1	midline 1 (Opitz/BBB syndrome)	-3.608093	Outlier
siRNA-Temozolomide Run2-DMSO	NM_033290	MID1	midline 1 (Opitz/BBB syndrome)	-2.421038	Inlier
siRNA-Temozolomide Run1-DMSO	NM_033290	MID1	midline 1 (Opitz/BBB syndrome)	-1.412225	Inlier
siRNA Disorazole DMSO Run1	NM_033290	MID1	midline 1 (Opitz/BBB syndrome)	-0.143284	Inlier
siRNA-Vinblastine Run2-DMSO	NM_033290	MID1	midline 1 (Opitz/BBB syndrome)	0.143285	Inlier
siRNA Disorazole DMSO Run2	NM_033290	MID1	midline 1 (Opitz/BBB syndrome)	0.488551	Inlier
siRNA-Vinblastine Run1-DMSO	NM_033290	MID1	midline 1 (Opitz/BBB syndrome)	0.672508	Inlier
siRNA Disorazole DMSO Run3	NM_033290	MID1	midline 1 (Opitz/BBB syndrome)	0.676492	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Temozolomide Run3- DMSO	NM_0528 17	MID2	midline 2	-1.567556	Inlier
siRNA Disorazole DMSO Run3	NM_0528 17	MID2	midline 2	-0.865682	Inlier
siRNA Disorazole DMSO Run1	NM_0528 17	MID2	midline 2	-0.483318	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0528 17	MID2	midline 2	-0.057011	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0528 17	MID2	midline 2	0.057011	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0528 17	MID2	midline 2	0.111478	Inlier
siRNA Disorazole DMSO Run2	NM_0528 17	MID2	midline 2	1.166488	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0207 17	MID2	midline 2	2.171265	Inlier
siRNA Disorazole DMSO Run3	NM_0207 78	MIDORI	alpha- kinase 3	-0.833278	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0207 78	MIDORI	alpha- kinase 3	-0.690364	Inlier
siRNA Disorazole DMSO Run2	NM_0207 78	MIDORI	alpha- kinase 3	-0.580585	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0207 78	MIDORI	alpha- kinase 3	-0.540751	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0207 78	MIDORI	alpha- kinase 3	0.540751	Inlier
siRNA Disorazole DMSO Run1	NM_0207 78	MIDORI	alpha- kinase 3	0.658636	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0207 78	MIDORI	alpha- kinase 3	0.865653	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0207 78	MIDORI	alpha- kinase 3	0.931306	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0024 15	MIF	macrophage migration inhibitory factor (glycosylation- inhibiting factor)	-0.700954	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0024 15	MIF	macrophage migration inhibitory factor (glycosylation- inhibiting factor)	-0.648046	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Condition	Gene Name	Value	Outlier Status
siRNA-Temozolomide Run1-DMSO	NM_002415	MIF	macrophage migration inhibitory factor (glycosylated ion-inhibiting factor)	-0.113612	Inlier
siRNA Disorazole DMSO Run3	NM_002415	MIF	macrophage migration inhibitory factor (glycosylated ion-inhibiting factor)	-0.082455	Inlier
siRNA Disorazole DMSO Run1	NM_002415	MIF	macrophage migration inhibitory factor (glycosylated ion-inhibiting factor)	0.082455	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002415	MIF	macrophage migration inhibitory factor (glycosylated ion-inhibiting factor)	1.48112	Inlier
siRNA Disorazole DMSO Run2	NM_002415	MIF	macrophage migration inhibitory factor (glycosylated ion-inhibiting factor)	1.594886	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Function	Score	Outlier Status
siRNA-Vinblastine Run2-DMSO	NM_002415	MIF	macrophage migration inhibitory factor (glycosylation-inhibiting factor)	1.680366	Inlier
siRNA Disorazole DMSO Run2	NM_015716	MINK	misshapen-like kinase 1 (zebrafish)	-2.190229	Inlier
siRNA Disorazole DMSO Run3	NM_015716	MINK	misshapen-like kinase 1 (zebrafish)	-0.719934	Inlier
siRNA-Temozolomide Run1-DMSO	NM_015716	MINK	misshapen-like kinase 1 (zebrafish)	-0.629065	Inlier
siRNA-Temozolomide Run3-DMSO	NM_015716	MINK	misshapen-like kinase 1 (zebrafish)	-0.084993	Inlier
siRNA-Temozolomide Run2-DMSO	NM_015716	MINK	misshapen-like kinase 1 (zebrafish)	0.084993	Inlier
siRNA-Vinblastine Run1-DMSO	NM_015716	MINK	misshapen-like kinase 1 (zebrafish)	0.520538	Inlier
siRNA Disorazole DMSO Run1	NM_015716	MINK	misshapen-like kinase 1 (zebrafish)	0.869557	Inlier
siRNA-Vinblastine Run2-DMSO	NM_015716	MINK	misshapen-like kinase 1 (zebrafish)	2.217461	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_004897	MINPP1	multiple inositol polyphosphate histidine phosphatase, 1	0.782735	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005932	MIPEP	mitochondrial intermediate peptidase	-1.82256	Inlier
siRNA Disorazole DMSO Run2	NM_005932	MIPEP	mitochondrial intermediate peptidase	-0.71571	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005932	MIPEP	mitochondrial intermediate peptidase	-0.63329	Inlier
siRNA Disorazole DMSO Run1	NM_005932	MIPEP	mitochondrial intermediate peptidase	-0.009424	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005932	MIPEP	mitochondrial intermediate peptidase	0.009424	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005932	MIPEP	mitochondrial intermediate peptidase	0.351462	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005932	MIPEP	mitochondrial intermediate peptidase	0.765769	Inlier
siRNA Disorazole DMSO Run3	NM_005932	MIPEP	peptidase	1.571514	Inlier
siRNA-Temozolomide Run3-DMSO	NM_016641	MIR16	MIR16	-1.381776	Inlier
siRNA Disorazole DMSO Run2	NM_016641	MIR16	MIR16	-0.80327	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA-Temozolomide Run2-DMSO	NM_0166 41	MIR16	MIR16	-0.442346	Inlier
siRNA Disorazole DMSO Run1	NM_0166 41	MIR16	MIR16	-0.111708	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0166 41	MIR16	MIR16	0.111708	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0166 41	MIR16	MIR16	0.545729	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0166 41	MIR16	MIR16	0.993923	Inlier
siRNA Disorazole DMSO Run3	NM_0166 41	MIR16	MIR16	1.288431	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1981 77	MITF	microphth almia- associated transcripti on factor	-1.431683	Inlier
siRNA Disorazole DMSO Run1	NM_1981 77	MITF	microphth almia- associated transcripti on factor	-0.7722	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1981 77	MITF	microphth almia- associated transcripti on factor	-0.5768	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1981 77	MITF	microphth almia- associated transcripti on factor	-0.077972	Inlier
siRNA Disorazole DMSO Run3	NM_1981 77	MITF	microphth almia- associated transcripti on factor	0.077972	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1981 77	MITF	microphth almia- associated transcripti on factor	0.311988	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_1981 77	MITF	microphth almia- associated transcripti on factor	0.99044 Inlier
siRNA Disorazole DMSO Run2	NM_1981 77	MITF	microphth almia- associated transcripti on factor	2.379755 Inlier
siRNA Disorazole DMSO Run2	NM_1989 73	MKNK1	MAP kinase interacting serine/thre onine kinase 1	-0.805833 Inlier
siRNA-Temozolomide Run3-DMSO	NM_1989 73	MKNK1	MAP kinase interacting serine/thre onine kinase 1	-0.692576 Inlier
siRNA Disorazole DMSO Run3	NM_1989 73	MKNK1	MAP kinase interacting serine/thre onine kinase 1	-0.448675 Inlier
siRNA-Temozolomide Run2-DMSO	NM_1989 73	MKNK1	MAP kinase interacting serine/thre onine kinase 1	-0.239611 Inlier
siRNA-Temozolomide Run1-DMSO	NM_1989 73	MKNK1	MAP kinase interacting serine/thre onine kinase 1	0.239612 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_1989 73	MKNK1	MAP kinase interacting serine/thre onine kinase 1	0.656424	Inlier
siRNA Disorazole DMSO Run1	NM_1989 73	MKNK1	MAP kinase interacting serine/thre onine kinase 1	0.917347	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1989 73	MKNK1	MAP kinase interacting serine/thre onine kinase 1	2.074265	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1990 54	MKNK2	MAP kinase interacting serine/thre onine kinase 2	-1.78046	Inlier
siRNA Disorazole DMSO Run2	NM_1990 54	MKNK2	MAP kinase interacting serine/thre onine kinase 2	-1.281379	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1990 54	MKNK2	MAP kinase interacting serine/thre onine kinase 2	-0.507278	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1990 54	MKNK2	MAP kinase interacting serine/thre onine kinase 2	-0.065599	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1990 54	MKMK2	MAP kinase interacting serine/thre onine kinase 2	0.0656	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1990 54	MKMK2	MAP kinase interacting serine/thre onine kinase 2	0.492079	Inlier
siRNA Disorazole DMSO Run3	NM_1990 54	MKMK2	MAP kinase interacting serine/thre onine kinase 2	0.841722	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1990 54	MKMK2	MAP kinase interacting serine/thre onine kinase 2	0.961665	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0160 86	MK-STYX	dual specificity phosphata se 24 (putative) dual	-1.3434	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0160 86	MK-STYX	dual specificity phosphata se 24 (putative) dual	-0.64036	Inlier
siRNA Disorazole DMSO Run3	NM_0160 86	MK-STYX	dual specificity phosphata se 24 (putative) dual	-0.227077	Inlier
siRNA Disorazole DMSO Run2	NM_0160 86	MK-STYX	dual specificity phosphata se 24 (putative)	-0.032312	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Target	Gene Description	Score	Outlier
siRNA-Temozolomide Run1-DMSO	NM_016086	MK-STYX	dual specificity phosphatase 24 (putative)	0.032312	Inlier
siRNA Disorazole DMSO Run1	NM_016086	MK-STYX	dual specificity phosphatase 24 (putative)	0.70864	Inlier
siRNA-Vinblastine Run2-DMSO	NM_016086	MK-STYX	dual specificity phosphatase 24 (putative)	1.068932	Inlier
siRNA-Vinblastine Run1-DMSO	NM_016086	MK-STYX	dual specificity phosphatase 24 (putative)	1.288424	Inlier
siRNA-Temozolomide Run1-DMSO	NM_139202	MLC1	megalencephalic leukoencephalopathy with subcortical cysts 1	-0.760825	Inlier
siRNA Disorazole DMSO Run2	NM_139202	MLC1	megalencephalic leukoencephalopathy with subcortical cysts 1	-0.588175	Inlier
siRNA Disorazole DMSO Run3	NM_139202	MLC1	megalencephalic leukoencephalopathy with subcortical cysts 1	-0.201673	Inlier
siRNA-Temozolomide Run2-DMSO	NM_139202	MLC1	megalencephalic leukoencephalopathy with subcortical cysts 1	-0.161601	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_139202	MLC1	megalencephalic leukoencephalopathy with subcortical cysts 1	0.161601	Inlier
siRNA Disorazole DMSO Run1	NM_139202	MLC1	megalencephalic leukoencephalopathy with subcortical cysts 1	0.940833	Inlier
siRNA-Temozolomide Run3-DMSO	NM_139202	MLC1	megalencephalic leukoencephalopathy with subcortical cysts 1	1.06925	Inlier
siRNA-Vinblastine Run1-DMSO	NM_139202	MLC1	subcortical cysts 1	1.715355	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002475	MLC1SA	MLC1SA	-1.976476	Inlier
siRNA Disorazole DMSO Run3	NM_002475	MLC1SA	MLC1SA	-0.827104	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002475	MLC1SA	MLC1SA	-0.521896	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002475	MLC1SA	MLC1SA	-0.153258	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002475	MLC1SA	MLC1SA	0.153258	Inlier
siRNA Disorazole DMSO Run1	NM_002475	MLC1SA	MLC1SA	0.496246	Inlier
siRNA Disorazole DMSO Run2	NM_002475	MLC1SA	MLC1SA	3.071021	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002475	MLC1SA	MLC1SA	4.835214	Outlier
siRNA-Temozolomide Run2-DMSO	NM_000249	MLH1	mutL homolog 1, colon cancer, nonpolyposis type 2 (E. coli)	-2.007203	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0002 49	MLH1	mutL homolog 1, colon cancer, nonpolypo sis type 2 (E. coli)	-0.633711	Inlier
siRNA Disorazole DMSO Run3	NM_0002 49	MLH1	mutL homolog 1, colon cancer, nonpolypo sis type 2 (E. coli)	-0.444848	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0002 49	MLH1	mutL homolog 1, colon cancer, nonpolypo sis type 2 (E. coli)	-0.310464	Inlier
siRNA Disorazole DMSO Run1	NM_0002 49	MLH1	mutL homolog 1, colon cancer, nonpolypo sis type 2 (E. coli)	0.310465	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0002 49	MLH1	mutL homolog 1, colon cancer, nonpolypo sis type 2 (E. coli)	0.715289	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0002 49	MLH1	mutL homolog 1, colon cancer, nonpolypo sis type 2 (E. coli)	1.489667	Inlier
siRNA Disorazole DMSO Run2	NM_0002 49	MLH1	mutL homolog 1, colon cancer, nonpolypo sis type 2 (E. coli)	3.031955	Inlier
siRNA Disorazole DMSO Run1	NM_0143 81	MLH3	mutL homolog 3 (E. coli)	-1.770903	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0143 81	MLH3	mutL homolog 3 (E. coli)	-0.679895	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0143 81	MLH3	mutL homolog 3 (E. coli)	-0.398692	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0143 81	MLH3	mutL homolog 3 (E. coli)	-0.264043	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0143 81	MLH3	mutL homolog 3 (E. coli)	0.264043	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0143 81	MLH3	mutL homolog 3 (E. coli)	0.669105	Inlier
siRNA Disorazole DMSO Run2	NM_0143 81	MLH3	mutL homolog 3 (E. coli)	1.213603	Inlier
siRNA Disorazole DMSO Run3	NM_0143 81	MLH3	mutL homolog 3 (E. coli) myeloid/ly mphoid or mixed- lineage leukemia (trithorax homolog, Drosophila)	1.625007	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0059 33	MLL	myeloid/ly mphoid or mixed- lineage leukemia (trithorax homolog, Drosophila)	-1.389375	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0059 33	MLL	myeloid/ly mphoid or mixed- lineage leukemia (trithorax homolog, Drosophila)	-0.657653	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0059 33	MLL	myeloid/ly mphoid or mixed- lineage leukemia (trithorax homolog, Drosophila)	-0.56529	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0059 33	MLL	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila)	-0.249289	Inlier
siRNA Disorazole DMSO Run3	NM_0059 33	MLL	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila)	0.249289	Inlier
siRNA Disorazole DMSO Run1	NM_0059 33	MLL	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila)	0.691347	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0059 33	MLL	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila)	1.79538	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0059 33	MLL	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila)	2.808486	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0034 82	MLL2	myeloid/lymphoid or mixed-lineage leukemia 2	-0.690712	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0034 82	MLL2	myeloid/lymphoid or mixed-lineage leukemia 2	-0.681284	Inlier
siRNA Disorazole DMSO Run2	NM_0034 82	MLL2	myeloid/lymphoid or mixed-lineage leukemia 2	-0.667716	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0034 82	MLL2	myeloid/lymphoid or mixed-lineage leukemia 2	-0.425401	Inlier
siRNA Disorazole DMSO Run1	NM_0034 82	MLL2	myeloid/lymphoid or mixed-lineage leukemia 2	0.425402	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0034 82	MLL2	myeloid/lymphoid or mixed-lineage leukemia 2	0.517947	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0034 82	MLL2	myeloid/lymphoid or mixed-lineage leukemia 2	1.950564	Inlier
siRNA Disorazole DMSO Run3	NM_0034 82	MLL2	myeloid/lymphoid or mixed-lineage leukemia 2	2.93292	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0015 07	MLNR	motilin receptor	-1.07726	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0015 07	MLNR	motilin receptor	-0.966708	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0015 07	MLNR	motilin receptor	-0.734646	Inlier
siRNA Disorazole DMSO Run1	NM_0015 07	MLNR	motilin receptor	-0.231439	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0015 07	MLNR	motilin receptor	0.231439	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_0015		motilin	
siRNA Disorazole DMSO Run2	07	MLNR	receptor	0.588188 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0015 07	MLNR	motilin receptor	0.614354 Inlier
siRNA Disorazole DMSO Run3	NM_0015 07	MLNR	motilin receptor	1.660487 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0122 13	MLYCD	malonyl-CoA decarboxylase	-1.818049 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0122 13	MLYCD	malonyl-CoA decarboxylase	-0.361161 Inlier
siRNA Disorazole DMSO Run3	NM_0122 13	MLYCD	malonyl-CoA decarboxylase	-0.130287 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0122 13	MLYCD	malonyl-CoA decarboxylase	-0.119485 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0122 13	MLYCD	malonyl-CoA decarboxylase	0.119485 Inlier
siRNA Disorazole DMSO Run1	NM_0122 13	MLYCD	malonyl-CoA decarboxylase	0.987839 Inlier
siRNA Disorazole DMSO Run2	NM_0122 13	MLYCD	malonyl-CoA decarboxylase	3.50105 Outlier
siRNA-Vinblastine Run1-DMSO	NM_0122 13	MLYCD	malonyl-CoA decarboxylase	4.450221 Outlier
siRNA-Temozolomide Run3-DMSO	NM_1722 50	MMAA	methylmalonic aciduria (cobalamin deficiency) type A	-1.554434 Inlier
siRNA-Temozolomide Run2-DMSO	NM_1722 50	MMAA	methylmalonic aciduria (cobalamin deficiency) type A	-0.894601 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Concentration	Drug	Gene	Value	Outlier
siRNA-Temozolomide Run1-DMSO	NM_1722	50	MMAA	methylmalonic aciduria (cobalamin deficiency) type A	-0.599429	Inlier
siRNA Disorazole DMSO Run1	NM_1722	50	MMAA	methylmalonic aciduria (cobalamin deficiency) type A	-0.202294	Inlier
siRNA Disorazole DMSO Run3	NM_1722	50	MMAA	methylmalonic aciduria (cobalamin deficiency) type A	0.202294	Inlier
siRNA Disorazole DMSO Run2	NM_1722	50	MMAA	methylmalonic aciduria (cobalamin deficiency) type A	0.288088	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1722	50	MMAA	methylmalonic aciduria (cobalamin deficiency) type A	0.749571	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1722	50	MMAA	methylmalonic aciduria (cobalamin deficiency) type A	1.93278	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Run	Condition	Gene Name	Log Fold Change	Outlier Status
siRNA Disorazole DMSO	NM_0072	89	MME	membrane metallo-endopeptidase (neutral endopeptidase, enkephalinase, CALLA, CD10)	-1.102882	Inlier
siRNA-Temozolomide DMSO	NM_0072	89	MME	membrane metallo-endopeptidase (neutral endopeptidase, enkephalinase, CALLA, CD10)	-1.068644	Inlier
siRNA Disorazole DMSO	NM_0072	89	MME	membrane metallo-endopeptidase (neutral endopeptidase, enkephalinase, CALLA, CD10)	-0.659821	Inlier
siRNA-Temozolomide DMSO	NM_0072	89	MME	membrane metallo-endopeptidase (neutral endopeptidase, enkephalinase, CALLA, CD10)	-0.037709	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0072 89	MME	membrane metallo-endopeptidase (neutral endopeptidase, enkephalinase, CALLA, CD10)	0.037709	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0072 89	MME	membrane metallo-endopeptidase (neutral endopeptidase, enkephalinase, CALLA, CD10)	0.26734	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0072 89	MME	membrane metallo-endopeptidase (neutral endopeptidase, enkephalinase, CALLA, CD10)	0.689179	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0072 89	MME	mel transforming oncogene-like 1	0.792738	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0334 67	MMEL2	mel transforming oncogene-like 1	-1.249358	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0334 67	MMEL2	mel transformi ng oncogene- like 1	-1.196932	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0334 67	MMEL2	mel transformi ng oncogene- like 1	-0.388817	Inlier
siRNA Disorazole DMSO Run1	NM_0334 67	MMEL2	mel transformi ng oncogene- like 1	-0.068617	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0334 67	MMEL2	mel transformi ng oncogene- like 1	0.068618	Inlier
siRNA Disorazole DMSO Run3	NM_0334 67	MMEL2	mel transformi ng oncogene- like 1	0.32358	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0334 67	MMEL2	mel transformi ng oncogene- like 1	0.960183	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0334 67	MMEL2	mel transformi ng oncogene- like 1	1.01841	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0024 21	MMP1	matrix metallopro teinase 1 (interstitial collagenas e)	-1.744533	Inlier
siRNA Disorazole DMSO Run3	NM_0024 21	MMP1	matrix metallopro teinase 1 (interstitial collagenas e)	-0.746865	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0024 21	MMP1	matrix metalloproteinase 1 (interstitial collagenase)	-0.421933	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0024 21	MMP1	matrix metalloproteinase 1 (interstitial collagenase)	-0.063905	Inlier
siRNA Disorazole DMSO Run1	NM_0024 21	MMP1	matrix metalloproteinase 1 (interstitial collagenase)	0.063905	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0024 21	MMP1	matrix metalloproteinase 1 (interstitial collagenase)	0.602135	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0024 21	MMP1	matrix metalloproteinase 1 (interstitial collagenase)	0.803231	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0024 21	MMP1	matrix metalloproteinase 1 (interstitial collagenase)	1.002033	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0024 25	MMP10	matrix metalloproteinase 10 (stromelysin 2)	-1.502497	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0024 25	MMP10	matrix metalloproteinase 10 (stromelysin 2)	-1.069228	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0024 25	MMP10	matrix metalloproteinase 10 (stromelysin 2)	-0.402746	Inlier
siRNA Disorazole DMSO Run3	NM_0024 25	MMP10	matrix metalloproteinase 10 (stromelysin 2)	-0.026342	Inlier
siRNA Disorazole DMSO Run2	NM_0024 25	MMP10	matrix metalloproteinase 10 (stromelysin 2)	0.026342	Inlier
siRNA Disorazole DMSO Run1	NM_0024 25	MMP10	matrix metalloproteinase 10 (stromelysin 2)	0.033325	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0024 25	MMP10	matrix metalloproteinase 10 (stromelysin 2)	0.946254	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0024 25	MMP10	matrix metalloproteinase 10 (stromelysin 2)	1.216937	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0059 40	MMP11	matrix metalloproteinase 11 (stromelysin 3)	-2.057319	Inlier
siRNA Disorazole DMSO Run2	NM_0059 40	MMP11	matrix metalloproteinase 11 (stromelysin 3)	-1.349337	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0059 40	MMP11	matrix metalloproteinase 11 (stromelysin 3)	-0.746357	Inlier
siRNA Disorazole DMSO Run1	NM_0059 40	MMP11	matrix metalloproteinase 11 (stromelysin 3)	-0.095762	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0059 40	MMP11	matrix metalloproteinase 11 (stromelysin 3)	0.095762	Inlier
siRNA Disorazole DMSO Run3	NM_0059 40	MMP11	matrix metalloproteinase 11 (stromelysin 3)	0.572619	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0059 40	MMP11	matrix metalloproteinase 11 (stromelysin 3)	0.602643	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0059 40	MMP11	matrix metalloproteinase 11 (stromelysin 3)	1.318304	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0024 26	MMP12	matrix metalloproteinase 12 (macrophage elastase)	-3.465892	Inlier
siRNA Disorazole DMSO Run2	NM_0024 26	MMP12	matrix metalloproteinase 12 (macrophage elastase)	-0.737905	Inlier
siRNA Disorazole DMSO Run3	NM_0024 26	MMP12	matrix metalloproteinase 12 (macrophage elastase)	-0.509007	Inlier
siRNA Disorazole DMSO Run1	NM_0024 26	MMP12	matrix metalloproteinase 12 (macrophage elastase)	-0.045821	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0024 26	MMP12	matrix metalloproteinase 12 (macrophage elastase)	0.045822	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0024 26	MMP12	matrix metalloproteinase 12 (macrophage elastase)	0.611095	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0024 26	MMP12	matrix metalloproteinase 12 (macrophage elastase)	1.955079	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0024 26	MMP12	matrix metalloproteinase 12 (macrophage elastase)	2.786097	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0024 27	MMP13	matrix metalloproteinase 13 (collagenase 3)	-1.414936	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0024 27	MMP13	matrix metalloproteinase 13 (collagenase 3)	-0.71288	Inlier
siRNA Disorazole DMSO Run2	NM_0024 27	MMP13	matrix metalloproteinase 13 (collagenase 3)	-0.63612	Inlier
siRNA Disorazole DMSO Run1	NM_0024 27	MMP13	matrix metalloproteinase 13 (collagenase 3)	-0.002364	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0024 27	MMP13	matrix metalloproteinase 13 (collagenase 3)	0.002364	Inlier
siRNA Disorazole DMSO Run3	NM_0024 27	MMP13	matrix metalloproteinase 13 (collagenase 3)	0.055341	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0024 27	MMP13	matrix metalloproteinase 13 (collagenase 3)	1.084253	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0024 27	MMP13	matrix metalloproteinase 13 (collagenase 3)	1.358164	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0049 95	MMP14	matrix metalloproteinase 14 (membrane-inserted)	-1.566511	Inlier
siRNA Disorazole DMSO Run2	NM_0049 95	MMP14	matrix metalloproteinase 14 (membrane-inserted)	-0.978245	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0049 95	MMP14	matrix metalloproteinase 14 (membrane-inserted)	-0.620284	Inlier
siRNA Disorazole DMSO Run3	NM_0049 95	MMP14	matrix metalloproteinase 14 (membrane-inserted)	-0.186525	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0049 95	MMP14	matrix metalloproteinase 14 (membrane-inserted)	0.186525	Inlier
siRNA Disorazole DMSO Run1	NM_0049 95	MMP14	matrix metalloproteinase 14 (membrane-inserted)	0.620104	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_004995	MMP14	matrix metalloproteinase 14 (membrane-inserted)	0.728716	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004995	MMP14	matrix metalloproteinase 14 (membrane-inserted)	1.087872	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002428	MMP15	matrix metalloproteinase 15 (membrane-inserted)	-2.664169	Inlier
siRNA Disorazole DMSO Run2	NM_002428	MMP15	matrix metalloproteinase 15 (membrane-inserted)	-0.843729	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002428	MMP15	matrix metalloproteinase 15 (membrane-inserted)	-0.376089	Inlier
siRNA Disorazole DMSO Run3	NM_002428	MMP15	matrix metalloproteinase 15 (membrane-inserted)	-0.195285	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002428	MMP15	matrix metalloproteinase 15 (membrane-inserted)	0.195284	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0024 28	MMP15	matrix metalloproteinase 15 (membrane-inserted)	0.505271	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0024 28	MMP15	matrix metalloproteinase 15 (membrane-inserted)	1.607822	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0024 28	MMP15	matrix metalloproteinase 15 (membrane-inserted)	2.463435	Inlier
siRNA Disorazole DMSO Run2	NM_0225 64	MMP16	matrix metalloproteinase 16 (membrane-inserted)	-5.953117	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0225 64	MMP16	matrix metalloproteinase 16 (membrane-inserted)	-4.324703	Outlier
siRNA Disorazole DMSO Run3	NM_0225 64	MMP16	matrix metalloproteinase 16 (membrane-inserted)	-3.248355	Inlier
siRNA Disorazole DMSO Run1	NM_0225 64	MMP16	matrix metalloproteinase 16 (membrane-inserted)	-0.050814	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_022564	MMP16	matrix metalloproteinase 16 (membrane-inserted)	0.050815	Inlier
siRNA-Temozolomide Run1-DMSO	NM_022564	MMP16	matrix metalloproteinase 16 (membrane-inserted)	0.125701	Inlier
siRNA-Vinblastine Run2-DMSO	NM_022564	MMP16	matrix metalloproteinase 16 (membrane-inserted)	0.258992	Inlier
siRNA-Vinblastine Run1-DMSO	NM_022564	MMP16	matrix metalloproteinase 16 (membrane-inserted)	1.090008	Inlier
siRNA Disorazole DMSO Run2	NM_016155	MMP17	matrix metalloproteinase 17 (membrane-inserted)	-1.28212	Inlier
siRNA-Temozolomide Run3-DMSO	NM_016155	MMP17	matrix metalloproteinase 17 (membrane-inserted)	-1.118016	Inlier
siRNA-Temozolomide Run2-DMSO	NM_016155	MMP17	matrix metalloproteinase 17 (membrane-inserted)	-0.742824	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0161 55	MMP17	matrix metalloproteinase 17 (membrane-inserted)	-0.040099	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0161 55	MMP17	matrix metalloproteinase 17 (membrane-inserted)	0.040099	Inlier
siRNA Disorazole DMSO Run1	NM_0161 55	MMP17	matrix metalloproteinase 17 (membrane-inserted)	0.126217	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0161 55	MMP17	matrix metalloproteinase 17 (membrane-inserted)	0.606176	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0161 55	MMP17	matrix metalloproteinase 17 (membrane-inserted)	0.756383	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0227 92	MMP19	matrix metalloproteinase 19	-1.196352	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0227 92	MMP19	matrix metalloproteinase 19	-0.657493	Inlier
siRNA Disorazole DMSO Run3	NM_0227 92	MMP19	matrix metalloproteinase 19	-0.518391	Inlier
siRNA Disorazole DMSO Run2	NM_0227 92	MMP19	matrix metalloproteinase 19	-0.32367	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0227 92	MMP19	matrix metalloproteinase 19	0.32367	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0227 92	MMP19	matrix metalloproteinase 19	0.691507	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0227 92	MMP19	matrix metalloproteinase 19	1.272675	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0227 92	MMP19	matrix metalloproteinase 19	1.401618	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0045 30	MMP2	matrix metalloproteinase 2 (gelatinase A, 72kDa gelatinase, 72kDa type IV collagenase)	-0.945469	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0045 30	MMP2	matrix metalloproteinase 2 (gelatinase A, 72kDa gelatinase, 72kDa type IV collagenase)	-0.83693	Inlier
siRNA Disorazole DMSO Run3	NM_0045 30	MMP2	matrix metalloproteinase 2 (gelatinase A, 72kDa gelatinase, 72kDa type IV collagenase)	-0.51207	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0045	MMP2	matrix metalloproteinase 2 (gelatinase A, 72kDa gelatinase, 72kDa type IV collagenase)	-0.195259	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0045	MMP2	matrix metalloproteinase 2 (gelatinase A, 72kDa gelatinase, 72kDa type IV collagenase)	0.195259	Inlier
siRNA Disorazole DMSO Run1	NM_0045	MMP2	matrix metalloproteinase 2 (gelatinase A, 72kDa gelatinase, 72kDa type IV collagenase)	0.241195	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0045	MMP2	matrix metalloproteinase 2 (gelatinase A, 72kDa gelatinase, 72kDa type IV collagenase)	1.003104	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_004530	MMP2	matrix metalloproteinase 2 (gelatinase A, 72kDa gelatinase, 72kDa type IV collagenase)	1.097272	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004771	MMP20	matrix metalloproteinase 20 (enamelysin)	-1.209782	Inlier
siRNA Disorazole DMSO Run2	NM_004771	MMP20	matrix metalloproteinase 20 (enamelysin)	-1.087976	Inlier
siRNA Disorazole DMSO Run1	NM_004771	MMP20	matrix metalloproteinase 20 (enamelysin)	-0.444987	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004771	MMP20	matrix metalloproteinase 20 (enamelysin)	-0.04294	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004771	MMP20	matrix metalloproteinase 20 (enamelysin)	0.04294	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004771	MMP20	matrix metalloproteinase 20 (enamelysin)	0.666448	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0047 71	MMP20	matrix metalloproteinase 20 (enamelysin)	0.682552	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0047 71	MMP20	matrix metalloproteinase 20 (enamelysin)	0.964745	Inlier
siRNA Disorazole DMSO Run2	NM_1471 91	MMP21	matrix metalloproteinase 21	-2.139375	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1471 91	MMP21	matrix metalloproteinase 21	-0.654963	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1471 91	MMP21	matrix metalloproteinase 21	-0.236694	Inlier
siRNA Disorazole DMSO Run1	NM_1471 91	MMP21	matrix metalloproteinase 21	-0.196684	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1471 91	MMP21	matrix metalloproteinase 21	0.196684	Inlier
siRNA Disorazole DMSO Run3	NM_1471 91	MMP21	matrix metalloproteinase 21	0.694037	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1471 91	MMP21	matrix metalloproteinase 21	0.749557	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1471 91	MMP21	matrix metalloproteinase 21	1.13683	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0046 59	MMP23A	matrix metalloproteinase 23A	-1.663334	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0046 59	MMP23A	matrix metalloproteinase 23A	-1.22554	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0046 59	MMP23A	matrix metalloproteinase 23A	-0.38586	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0046 59	MMP23A	matrix metalloproteinase 23A	-0.232229	Inlier
siRNA Disorazole DMSO Run1	NM_0046 59	MMP23A	matrix metalloproteinase 23A	0.232229	Inlier
siRNA Disorazole DMSO Run3	NM_0046 59	MMP23A	matrix metalloproteinase 23A	0.422855	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0046 59	MMP23A	matrix metalloproteinase 23A	0.926145	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0046 59	MMP23A	matrix metalloproteinase 23A	0.927588	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0069 83	MMP23B	matrix metalloproteinase 23B	-1.630738	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0069 83	MMP23B	matrix metalloproteinase 23B	-1.277846	Inlier
siRNA Disorazole DMSO Run1	NM_0069 83	MMP23B	matrix metalloproteinase 23B	-0.479545	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0069 83	MMP23B	matrix metalloproteinase 23B	-0.121133	Inlier
siRNA Disorazole DMSO Run2	NM_0069 83	MMP23B	matrix metalloproteinase 23B	0.121133	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0069 83	MMP23B	matrix metalloproteinase 23B	0.38407	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0069 83	MMP23B	matrix metalloproteinase 23B	0.869455	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0069 83	MMP23B	matrix metalloproteinase 23B	1.202515	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0066 90	MMP24	matrix metalloproteinase 24 (membrane-inserted)	-1.21795	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0066 90	MMP24	matrix metalloproteinase 24 (membrane-inserted)	-0.960922	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0066 90	MMP24	matrix metalloproteinase 24 (membrane-inserted)	-0.114549	Inlier
siRNA Disorazole DMSO Run3	NM_0066 90	MMP24	matrix metalloproteinase 24 (membrane-inserted)	-0.026036	Inlier
siRNA Disorazole DMSO Run1	NM_0066 90	MMP24	matrix metalloproteinase 24 (membrane-inserted)	0.026036	Inlier
siRNA Disorazole DMSO Run2	NM_0066 90	MMP24	matrix metalloproteinase 24 (membrane-inserted)	0.457276	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_006690	MMP24	matrix metalloproteinase 24 (membrane-inserted)	0.891724	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006690	MMP24	matrix metalloproteinase 24 (membrane-inserted)	1.180274	Inlier
siRNA-Temozolomide Run2-DMSO	NM_022718	MMP25	matrix metalloproteinase 25	-1.09197	Inlier
siRNA-Temozolomide Run3-DMSO	NM_022718	MMP25	matrix metalloproteinase 25	-0.972442	Inlier
siRNA Disorazole DMSO Run1	NM_022718	MMP25	matrix metalloproteinase 25	-0.636721	Inlier
siRNA-Temozolomide Run1-DMSO	NM_022718	MMP25	matrix metalloproteinase 25	-0.077695	Inlier
siRNA Disorazole DMSO Run2	NM_022718	MMP25	matrix metalloproteinase 25	0.077695	Inlier
siRNA-Vinblastine Run2-DMSO	NM_022718	MMP25	matrix metalloproteinase 25	0.483504	Inlier
siRNA-Vinblastine Run1-DMSO	NM_022718	MMP25	matrix metalloproteinase 25	0.712279	Inlier
siRNA Disorazole DMSO Run3	NM_022718	MMP25	matrix metalloproteinase 25	1.314016	Inlier
siRNA-Temozolomide Run3-DMSO	NM_021801	MMP26	matrix metalloproteinase 26	-1.418316	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0218 01	MMP26	matrix metallopro teinase 26	-0.680498	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0218 01	MMP26	matrix metallopro teinase 26	-0.668502	Inlier
siRNA Disorazole DMSO Run1	NM_0218 01	MMP26	matrix metallopro teinase 26	-0.537469	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0218 01	MMP26	matrix metallopro teinase 26	0.537469	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0218 01	MMP26	matrix metallopro teinase 26	0.596191	Inlier
siRNA Disorazole DMSO Run3	NM_0218 01	MMP26	matrix metallopro teinase 26	0.871094	Inlier
siRNA Disorazole DMSO Run2	NM_0218 01	MMP26	matrix metallopro teinase 26	1.196985	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0221 22	MMP27	matrix metallopro teinase 27	-2.054507	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0221 22	MMP27	matrix metallopro teinase 27	-0.781805	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0221 22	MMP27	matrix metallopro teinase 27	-0.406522	Inlier
siRNA Disorazole DMSO Run1	NM_0221 22	MMP27	matrix metallopro teinase 27	-0.363564	Inlier
siRNA Disorazole DMSO Run3	NM_0221 22	MMP27	matrix metallopro teinase 27	0.363564	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0221 22	MMP27	matrix metallopro teinase 27	0.567195	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0221 22	MMP27	matrix metalloproteinase 27	1.530945	Inlier
siRNA Disorazole DMSO Run2	NM_0221 22	MMP27	matrix metalloproteinase 27	2.78581	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0329 50	MMP28	matrix metalloproteinase 28	-1.20628	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0329 50	MMP28	matrix metalloproteinase 28	-0.934389	Inlier
siRNA Disorazole DMSO Run1	NM_0329 50	MMP28	matrix metalloproteinase 28	-0.380957	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0329 50	MMP28	matrix metalloproteinase 28	-0.27299	Inlier
siRNA Disorazole DMSO Run2	NM_0329 50	MMP28	matrix metalloproteinase 28	0.27299	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0329 50	MMP28	matrix metalloproteinase 28	0.585658	Inlier
siRNA Disorazole DMSO Run3	NM_0329 50	MMP28	matrix metalloproteinase 28	0.763342	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0329 50	MMP28	matrix metalloproteinase 28	0.875393	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0024 22	MMP3	matrix metalloproteinase 3 (stromelysin 1, progelatinase)	-1.118546	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_002422	MMP3	matrix metalloproteinase 3 (stromelysin 1, progelatinase)	-0.932299	Inlier
siRNA Disorazole DMSO Run1	NM_002422	MMP3	matrix metalloproteinase 3 (stromelysin 1, progelatinase)	-0.553675	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002422	MMP3	matrix metalloproteinase 3 (stromelysin 1, progelatinase)	-0.368132	Inlier
siRNA Disorazole DMSO Run3	NM_002422	MMP3	matrix metalloproteinase 3 (stromelysin 1, progelatinase)	0.368132	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002422	MMP3	matrix metalloproteinase 3 (stromelysin 1, progelatinase)	0.631519	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002422	MMP3	matrix metalloproteinase 3 (stromelysin 1, progelatinase)	0.717481	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0024 22	MMP3	matrix metalloproteinase 3 (stromelysin 1, progelatinase)	0.889655	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0024 23	MMP7	matrix metalloproteinase 7 (matrilysin, uterine)	-0.801971	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0024 23	MMP7	matrix metalloproteinase 7 (matrilysin, uterine)	-0.690202	Inlier
siRNA Disorazole DMSO Run1	NM_0024 23	MMP7	matrix metalloproteinase 7 (matrilysin, uterine)	-0.099217	Inlier
siRNA Disorazole DMSO Run3	NM_0024 23	MMP7	matrix metalloproteinase 7 (matrilysin, uterine)	-0.034008	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0024 23	MMP7	matrix metalloproteinase 7 (matrilysin, uterine)	0.034008	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0024 23	MMP7	matrix metalloproteinase 7 (matrilysin, uterine)	0.658798	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0024 23	MMP7	matrix metalloproteinase 7 (matrilysin, uterine)	0.800388	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0024 23	MMP7	matrix metalloproteinase 7 (matrilysin, uterine)	1.258502	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0024 24	MMP8	matrix metalloproteinase 8 (neutrophil collagenase)	-1.05227	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0024 24	MMP8	matrix metalloproteinase 8 (neutrophil collagenase)	-0.725706	Inlier
siRNA Disorazole DMSO Run1	NM_0024 24	MMP8	matrix metalloproteinase 8 (neutrophil collagenase)	-0.341766	Inlier
siRNA Disorazole DMSO Run2	NM_0024 24	MMP8	matrix metalloproteinase 8 (neutrophil collagenase)	-0.087297	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0024 24	MMP8	matrix metalloproteinase 8 (neutrophil collagenase)	0.087298	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0024 24	MMP8	matrix metalloproteinase 8 (neutrophil collagenase)	0.623294	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0024 24	MMP8	matrix metalloproteinase 8 (neutrophil collagenase)	0.833701	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0024 24	MMP8	matrix metalloproteinase 8 (neutrophil collagenase)	0.936828	Inlier
siRNA Disorazole DMSO Run1	NM_0049 94	MMP9	matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase)	-1.631812	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0049 94	MMP9	matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase)	-0.99237	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0049 94	MMP9	matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase)	-0.373917	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0049 94	MMP9	matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase)	-0.241834	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0049 94	MMP9	matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase)	0.241834	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0049 94	MMP9	matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase)	0.519415	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_004994	MMP9	matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase)	0.829585	Inlier
siRNA Disorazole DMSO Run3	NM_004994	MMP9	matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase)	2.306507	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004142	MMPL1	matrix metalloproteinase-like 1	-1.764207	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004142	MMPL1	matrix metalloproteinase-like 1	-1.436967	Inlier
siRNA Disorazole DMSO Run1	NM_004142	MMPL1	matrix metalloproteinase-like 1	-0.43801	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004142	MMPL1	matrix metalloproteinase-like 1	-0.33457	Inlier
siRNA Disorazole DMSO Run3	NM_004142	MMPL1	matrix metalloproteinase-like 1	0.334571	Inlier
siRNA Disorazole DMSO Run2	NM_004142	MMPL1	matrix metalloproteinase-like 1	0.462989	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004142	MMPL1	matrix metalloproteinase-like 1	0.886011	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0041 42	MMPL1	matrix metalloproteinase-like 1	1.244839	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0223 62	MMS19L	MMS19-like (MET18 homolog, S. cerevisiae)	-1.124286	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0223 62	MMS19L	MMS19-like (MET18 homolog, S. cerevisiae)	-1.088971	Inlier
siRNA Disorazole DMSO Run3	NM_0223 62	MMS19L	MMS19-like (MET18 homolog, S. cerevisiae)	-0.797721	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0223 62	MMS19L	MMS19-like (MET18 homolog, S. cerevisiae)	-0.117096	Inlier
siRNA Disorazole DMSO Run1	NM_0223 62	MMS19L	MMS19-like (MET18 homolog, S. cerevisiae)	0.117096	Inlier
siRNA Disorazole DMSO Run2	NM_0223 62	MMS19L	MMS19-like (MET18 homolog, S. cerevisiae)	0.146821	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_022362	MMS19L	MMS19-like (MET18 homolog, S. cerevisiae)	0.551279	Inlier
siRNA-Vinblastine Run2-DMSO	NM_022362	MMS19L	MMS19-like (MET18 homolog, S. cerevisiae)	0.941769	Inlier
siRNA-Vinblastine Run2-DMSO	NM_014484	MOCS3	molybdenum cofactor synthesis 3	-1.145855	Inlier
siRNA Disorazole DMSO Run3	NM_014484	MOCS3	molybdenum cofactor synthesis 3	-0.84097	Inlier
siRNA Disorazole DMSO Run1	NM_014484	MOCS3	molybdenum cofactor synthesis 3	-0.638073	Inlier
siRNA-Temozolomide Run2-DMSO	NM_014484	MOCS3	molybdenum cofactor synthesis 3	-0.060659	Inlier
siRNA-Temozolomide Run3-DMSO	NM_014484	MOCS3	molybdenum cofactor synthesis 3	0.060659	Inlier
siRNA Disorazole DMSO Run2	NM_014484	MOCS3	molybdenum cofactor synthesis 3	0.555519	Inlier
siRNA-Temozolomide Run1-DMSO	NM_014484	MOCS3	molybdenum cofactor synthesis 3	0.710927	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0144 84	MOCS3	molybdenum cofactor synthesis 3	1.116784	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0581 65	MOGAT1	monoacylglycerol O-acyltransferase 1	-1.356812	Inlier
siRNA Disorazole DMSO Run3	NM_0581 65	MOGAT1	monoacylglycerol O-acyltransferase 1	-1.156801	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0581 65	MOGAT1	monoacylglycerol O-acyltransferase 1	-0.176511	Inlier
siRNA Disorazole DMSO Run1	NM_0581 65	MOGAT1	monoacylglycerol O-acyltransferase 1	-0.03036	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0581 65	MOGAT1	monoacylglycerol O-acyltransferase 1	0.03036	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0581 65	MOGAT1	monoacylglycerol O-acyltransferase 1	0.192199	Inlier
siRNA Disorazole DMSO Run2	NM_0581 65	MOGAT1	monoacylglycerol O-acyltransferase 1	3.652959	Outlier
siRNA-Vinblastine Run1-DMSO	NM_0581 65	MOGAT1	monoacylglycerol O-acyltransferase 1	3.870701	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0250 98	MOGAT2	monoacylglycerol O-acyltransferase 2	-0.896187	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0250 98	MOGAT2	monoacylglycerol O-acyltransferase 2	-0.717331	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0250 98	MOGAT2	monoacylglycerol O-acyltransferase 2	-0.300987	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0250 98	MOGAT2	monoacylglycerol O-acyltransferase 2	-0.035182	Inlier
siRNA Disorazole DMSO Run1	NM_0250 98	MOGAT2	monoacylglycerol O-acyltransferase 2	0.035182	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0250 98	MOGAT2	monoacylglycerol O-acyltransferase 2	0.631669	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0250 98	MOGAT2	monoacylglycerol O-acyltransferase 2	1.53246	Inlier
siRNA Disorazole DMSO Run2	NM_0250 98	MOGAT2	monoacylglycerol O-acyltransferase 2	1.797937	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1781 76	MOGAT3	monoacylglycerol O-acyltransferase 3	-0.850637	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1781 76	MOGAT3	monoacylglycerol O-acyltransferase 3	-0.498363	Inlier
siRNA Disorazole DMSO Run1	NM_1781 76	MOGAT3	monoacylglycerol O-acyltransferase 3	-0.404962	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1781 76	MOGAT3	monoacylglycerol O-acyltransferase 3	-0.068747	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1781 76	MOGAT3	monoacylglycerol O-acyltransferase 3	0.068747	Inlier
siRNA Disorazole DMSO Run3	NM_1781 76	MOGAT3	monoacylglycerol O-acyltransferase 3	1.102008	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1781 76	MOGAT3	monoacylglycerol O-acyltransferase 3	3.361984	Inlier
siRNA Disorazole DMSO Run2	NM_1781 76	MOGAT3	monoacylglycerol O-acyltransferase 3	3.695861	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0144 29	MORC	microrchidi a homolog (mouse)	-2.10806 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0144 29	MORC	microrchidi a homolog (mouse)	-1.103225 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0144 29	MORC	microrchidi a homolog (mouse)	-0.245775 Inlier
siRNA Disorazole DMSO Run1	NM_0144 29	MORC	microrchidi a homolog (mouse)	-0.138453 Inlier
siRNA Disorazole DMSO Run3	NM_0144 29	MORC	microrchidi a homolog (mouse)	0.138452 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0144 29	MORC	microrchidi a homolog (mouse)	0.235633 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0144 29	MORC	microrchidi a homolog (mouse)	2.13951 Inlier
siRNA Disorazole DMSO Run2	NM_0144 29	MORC	microrchidi a homolog (mouse) v-mos Moloney murine sarcoma viral	2.39328 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0053 72	MOS	oncogene homolog v-mos Moloney murine sarcoma viral	-1.968304 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0053 72	MOS	oncogene homolog	-0.706032 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			v-mos Moloney murine sarcoma viral	
siRNA-Temozolomide Run2- DMSO	NM_0053 72	MOS	oncogene homolog	-0.677854 Inlier
			v-mos Moloney murine sarcoma viral	
siRNA Disorazole DMSO Run3	NM_0053 72	MOS	oncogene homolog	-0.576454 Inlier
			v-mos Moloney murine sarcoma viral	
siRNA Disorazole DMSO Run2	NM_0053 72	MOS	oncogene homolog	0.576455 Inlier
			v-mos Moloney murine sarcoma viral	
siRNA Disorazole DMSO Run1	NM_0053 72	MOS	oncogene homolog	0.587816 Inlier
			v-mos Moloney murine sarcoma viral	
siRNA-Vinblastine Run2- DMSO	NM_0053 72	MOS	oncogene homolog	0.671146 Inlier
			v-mos Moloney murine sarcoma viral	
siRNA-Vinblastine Run1- DMSO	NM_0053 72	MOS	oncogene homolog	2.581115 Inlier
			monooxyg enase, DBH-like 1	
siRNA Disorazole DMSO Run3	NM_0155 29	MOXD1		-3.784571 Outlier
			monooxyg enase, DBH-like 1	
siRNA Disorazole DMSO Run1	NM_0155 29	MOXD1		-1.115949 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0155 29	MOXD1	monooxygenase, DBH-like 1	-0.262588	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0155 29	MOXD1	monooxygenase, DBH-like 1	-0.227404	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0155 29	MOXD1	monooxygenase, DBH-like 1	0.227405	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0155 29	MOXD1	monooxygenase, DBH-like 1	0.597291	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0155 29	MOXD1	monooxygenase, DBH-like 1	0.751709	Inlier
siRNA Disorazole DMSO Run2	NM_0155 29	MOXD1	monooxygenase, DBH-like 1	1.515382	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 15054	MPG	N-methylpurine-DNA glycosylase	-0.723375	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 15054	MPG	N-methylpurine-DNA glycosylase	-0.715165	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 15054	MPG	N-methylpurine-DNA glycosylase	-0.633834	Inlier
siRNA Disorazole DMSO Run1	NM_0010 15054	MPG	N-methylpurine-DNA glycosylase	-0.043471	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 15054	MPG	N-methylpurine-DNA glycosylase	0.043471	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0010 15054	MPG	N-methylpurine-DNA glycosylase	0.113765	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 15054	MPG	N-methylpurine-DNA glycosylase	0.831009	Inlier
siRNA Disorazole DMSO Run2	NM_0010 15054	MPG	N-methylpurine-DNA glycosylase	0.861308	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0161 95	MPHOSP H1	M-phase phosphoprotein 1	-0.890888	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0161 95	MPHOSP H1	M-phase phosphoprotein 1	-0.77542	Inlier
siRNA Disorazole DMSO Run3	NM_0161 95	MPHOSP H1	M-phase phosphoprotein 1	-0.376363	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0161 95	MPHOSP H1	M-phase phosphoprotein 1	-0.350459	Inlier
siRNA Disorazole DMSO Run1	NM_0161 95	MPHOSP H1	M-phase phosphoprotein 1	0.350459	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0161 95	MPHOSP H1	M-phase phosphoprotein 1	0.57358	Inlier
siRNA Disorazole DMSO Run2	NM_0161 95	MPHOSP H1	M-phase phosphoprotein 1	2.864861	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0161 95	MPHOSP H1	M-phase phosphoprotein 1	4.751471	Outlier
siRNA Disorazole DMSO Run3	NM_0024 35	MPI	mannose phosphate isomerase	-5.186743	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0024 35	MPI	mannose phosphate isomerase	-2.225161	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0024 35	MPI	mannose phosphate isomerase	-1.083519	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0024 35	MPI	mannose phosphate isomerase	-0.045215	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0024 35	MPI	mannose phosphate isomerase	0.045216	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0024 35	MPI	mannose phosphate isomerase	0.222233	Inlier
siRNA Disorazole DMSO Run1	NM_0024 35	MPI	mannose phosphate isomerase	0.265481	Inlier
siRNA Disorazole DMSO Run2	NM_0024 35	MPI	mannose phosphate isomerase myeloproliferative leukemia virus	1.903445	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0053 73	MPL	oncogene myeloproliferative leukemia virus	-1.631517	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0053 73	MPL	oncogene myeloproliferative leukemia virus	-0.963704	Inlier
siRNA Disorazole DMSO Run3	NM_0053 73	MPL	oncogene myeloproliferative leukemia virus	-0.385296	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0053 73	MPL	oncogene myeloproliferative leukemia virus	-0.030626	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			myeloprolif erative leukemia virus	
siRNA Disorazole DMSO Run1	NM_0053 73	MPL	oncogene myeloprolif erative leukemia virus	0.030626 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0053 73	MPL	oncogene myeloprolif erative leukemia virus	0.081368 Inlier
siRNA Disorazole DMSO Run2	NM_0053 73	MPL	oncogene myeloprolif erative leukemia virus	3.33362 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0053 73	MPL	oncogene	4.064394 Outlier
siRNA-Temozolomide Run3- DMSO	NM_0319 48	MPN	protease, serine 27	-1.490479 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0319 48	MPN	protease, serine 27	-1.114111 Inlier
siRNA Disorazole DMSO Run2	NM_0319 48	MPN	protease, serine 27	-0.568404 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0319 48	MPN	protease, serine 27	-0.232111 Inlier
siRNA Disorazole DMSO Run3	NM_0319 48	MPN	protease, serine 27	0.232111 Inlier
siRNA Disorazole DMSO Run1	NM_0319 48	MPN	protease, serine 27	0.50244 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0319 48	MPN	protease, serine 27	0.780596 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0319 48	MPN	protease, serine 27	1.503458 Inlier
siRNA-Temozolomide Run2- DMSO	NM_1830 62	MPN2	MPN2	-2.237549 Inlier
siRNA-Temozolomide Run3- DMSO	NM_1830 62	MPN2	MPN2	-0.886935 Inlier
siRNA Disorazole DMSO Run1	NM_1830 62	MPN2	MPN2	-0.504483 Inlier
siRNA Disorazole DMSO Run3	NM_1830 62	MPN2	MPN2	-0.212153 Inlier
siRNA-Temozolomide Run1- DMSO	NM_1830 62	MPN2	MPN2	0.212153 Inlier
siRNA-Vinblastine Run2- DMSO	NM_1830 62	MPN2	MPN2	0.529924 Inlier
siRNA Disorazole DMSO Run2	NM_1830 62	MPN2	MPN2	0.819076 Inlier
siRNA-Vinblastine Run1- DMSO	NM_1830 62	MPN2	MPN2	0.924095 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA-Temozolomide Run3- DMSO	NM_0002 50	MPO	myeloper oxidase	-2.200292	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0002 50	MPO	myeloper oxidase	-0.873286	Inlier
siRNA Disorazole DMSO Run3	NM_0002 50	MPO	myeloper oxidase	-0.475714	Inlier
siRNA Disorazole DMSO Run1	NM_0002 50	MPO	myeloper oxidase	-0.223672	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0002 50	MPO	myeloper oxidase	0.223671	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0002 50	MPO	myeloper oxidase	0.383018	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0002 50	MPO	myeloper oxidase	2.403519	Inlier
siRNA Disorazole DMSO Run2	NM_0002 50	MPO	myeloper oxidase	3.710702	Outlier
siRNA-Temozolomide Run3- DMSO	NM_0024 36	MPP1	membrane protein, palmitoylat ed 1, 55kDa	-0.761752	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0024 36	MPP1	membrane protein, palmitoylat ed 1, 55kDa	-0.587248	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0024 36	MPP1	membrane protein, palmitoylat ed 1, 55kDa	-0.353158	Inlier
siRNA Disorazole DMSO Run3	NM_0024 36	MPP1	membrane protein, palmitoylat ed 1, 55kDa	-0.020006	Inlier
siRNA Disorazole DMSO Run1	NM_0024 36	MPP1	membrane protein, palmitoylat ed 1, 55kDa	0.020005	Inlier
siRNA Disorazole DMSO Run2	NM_0024 36	MPP1	membrane protein, palmitoylat ed 1, 55kDa	0.961542	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0024 36	MPP1	membrane protein, palmitoylat ed 1, 55kDa	1.258515	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_005374	MPP2	membrane protein, palmitoylated 2 (MAGUK p55 subfamily member 2)	0.644454	Inlier
siRNA Disorazole DMSO Run2	NM_005374	MPP2	membrane protein, palmitoylated 2 (MAGUK p55 subfamily member 2)	1.067221	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005374	MPP2	membrane protein, palmitoylated 5 (MAGUK p55 subfamily member 2)	1.510172	Inlier
siRNA-Temozolomide Run3-DMSO	NM_022474	MPP5	membrane protein, palmitoylated 5 (MAGUK p55 subfamily member 5)	-0.915743	Inlier
siRNA-Temozolomide Run2-DMSO	NM_022474	MPP5	membrane protein, palmitoylated 5 (MAGUK p55 subfamily member 5)	-0.433257	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Description	Score	Category
siRNA-Temozolomide Run1-DMSO	NM_022474	MPP5	membrane protein, palmitoylated 5 (MAGUK p55 subfamily member 5)	-0.283536	Inlier
siRNA Disorazole DMSO Run3	NM_022474	MPP5	membrane protein, palmitoylated 5 (MAGUK p55 subfamily member 5)	-0.027246	Inlier
siRNA Disorazole DMSO Run1	NM_022474	MPP5	membrane protein, palmitoylated 5 (MAGUK p55 subfamily member 5)	0.027247	Inlier
siRNA-Vinblastine Run2-DMSO	NM_022474	MPP5	membrane protein, palmitoylated 5 (MAGUK p55 subfamily member 5)	5.805946	Outlier
siRNA Disorazole DMSO Run2	NM_022474	MPP5	membrane protein, palmitoylated 5 (MAGUK p55 subfamily member 5)	9.468903	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_022474	MPP5	membrane protein, palmitoylated 5 (MAGUK p55 subfamily member 5)	11.3871	Outlier
siRNA-Temozolomide Run3-DMSO	NM_016447	MPP6	membrane protein, palmitoylated 6 (MAGUK p55 subfamily member 6)	-0.92978	Inlier
siRNA-Temozolomide Run2-DMSO	NM_016447	MPP6	membrane protein, palmitoylated 6 (MAGUK p55 subfamily member 6)	-0.41922	Inlier
siRNA-Temozolomide Run1-DMSO	NM_016447	MPP6	membrane protein, palmitoylated 6 (MAGUK p55 subfamily member 6)	-0.410692	Inlier
siRNA Disorazole DMSO Run3	NM_016447	MPP6	membrane protein, palmitoylated 6 (MAGUK p55 subfamily member 6)	-0.177374	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0164 47	MPP6	membrane protein, palmitoylated 6 (MAGUK p55 subfamily member 6)	0.177374	Inlier
siRNA Disorazole DMSO Run2	NM_0164 47	MPP6	membrane protein, palmitoylated 6 (MAGUK p55 subfamily member 6)	1.067585	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0164 47	MPP6	membrane protein, palmitoylated 6 (MAGUK p55 subfamily member 6)	1.48564	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0164 47	MPP6	membrane protein, palmitoylated 7 (MAGUK p55 subfamily member 6)	1.902428	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1734 96	MPP7	membrane protein, palmitoylated 7 (MAGUK p55 subfamily member 7)	-1.046564	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_1734 96	MPP7	membrane protein, palmitoylated 7 (MAGUK p55 subfamily member 7)	-0.70772	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1734 96	MPP7	membrane protein, palmitoylated 7 (MAGUK p55 subfamily member 7)	-0.64128	Inlier
siRNA Disorazole DMSO Run1	NM_1734 96	MPP7	membrane protein, palmitoylated 7 (MAGUK p55 subfamily member 7)	-0.08564	Inlier
siRNA Disorazole DMSO Run3	NM_1734 96	MPP7	membrane protein, palmitoylated 7 (MAGUK p55 subfamily member 7)	0.08564	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1734 96	MPP7	membrane protein, palmitoylated 7 (MAGUK p55 subfamily member 7)	0.352317	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			membrane protein, palmitoylated 7 (MAGUK p55 subfamily member	
siRNA Disorazole DMSO Run2	NM_1734 96	MPP7	7)	0.846413 Inlier
			membrane protein, palmitoylated 7 (MAGUK p55 subfamily member	
siRNA-Vinblastine Run1-DMSO	NM_1734 96	MPP7	7)	0.95775 Inlier
siRNA-Vinblastine Run2-DMSO	NM_1386 08	MPPE1	metallophosphoesterase 1	-1.391854 Inlier
siRNA-Vinblastine Run1-DMSO	NM_1386 08	MPPE1	metallophosphoesterase 1	-0.906097 Inlier
siRNA Disorazole DMSO Run3	NM_1386 08	MPPE1	metallophosphoesterase 1	-0.550675 Inlier
siRNA-Temozolomide Run2-DMSO	NM_1386 08	MPPE1	metallophosphoesterase 1	-0.088944 Inlier
siRNA Disorazole DMSO Run1	NM_1386 08	MPPE1	metallophosphoesterase 1	0.088945 Inlier
siRNA Disorazole DMSO Run2	NM_1386 08	MPPE1	metallophosphoesterase 1	0.46772 Inlier
siRNA-Temozolomide Run3-DMSO	NM_1386 08	MPPE1	metallophosphoesterase 1	0.798325 Inlier
siRNA-Temozolomide Run1-DMSO	NM_1386 08	MPPE1	metallophosphoesterase 1	1.228907 Inlier
siRNA-Temozolomide Run2-DMSO	NM_1784 22	MPRA	progesterin and adipoQ receptor family member VII	-1.299709 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Method	Gene Name	Score	Outlier Status
siRNA-Vinblastine Run2-DMSO	NM_178422	MPRA	progesterone and adiponectin receptor family member VII	-0.791696	Inlier
siRNA Disorazole DMSO Run3	NM_178422	MPRA	progesterone and adiponectin receptor family member VII	-0.298989	Inlier
siRNA Disorazole DMSO Run1	NM_178422	MPRA	progesterone and adiponectin receptor family member VII	-0.161957	Inlier
siRNA-Temozolomide Run3-DMSO	NM_178422	MPRA	progesterone and adiponectin receptor family member VII	0.161956	Inlier
siRNA-Temozolomide Run1-DMSO	NM_178422	MPRA	progesterone and adiponectin receptor family member VII	0.557304	Inlier
siRNA Disorazole DMSO Run2	NM_178422	MPRA	progesterone and adiponectin receptor family member VII	1.280333	Inlier
siRNA-Vinblastine Run1-DMSO	NM_178422	MPRA	progesterone and adiponectin receptor family member VII	2.118669	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_017705	MPRG	progesterone and adiponectin receptor family member V	-1.462368	Inlier
siRNA-Temozolomide Run2-DMSO	NM_017705	MPRG	progesterone and adiponectin receptor family member V	-1.114514	Inlier
siRNA-Temozolomide Run1-DMSO	NM_017705	MPRG	progesterone and adiponectin receptor family member V	-0.232397	Inlier
siRNA-Temozolomide Run3-DMSO	NM_017705	MPRG	progesterone and adiponectin receptor family member V	-0.047859	Inlier
siRNA Disorazole DMSO Run3	NM_017705	MPRG	progesterone and adiponectin receptor family member V	0.047859	Inlier
siRNA Disorazole DMSO Run1	NM_017705	MPRG	progesterone and adiponectin receptor family member V	0.234486	Inlier
siRNA Disorazole DMSO Run2	NM_017705	MPRG	progesterone and adiponectin receptor family member V	1.534847	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_017705	MPRG	progesterone and adiponectin receptor family member V	1.595581	Inlier
siRNA-Temozolomide Run3-DMSO	NM_145243	MPRP-1	OMA1 homolog, zinc metalloproteinase (S. cerevisiae)	-1.246755	Inlier
siRNA-Temozolomide Run2-DMSO	NM_145243	MPRP-1	OMA1 homolog, zinc metalloproteinase (S. cerevisiae)	-0.761146	Inlier
siRNA-Temozolomide Run1-DMSO	NM_145243	MPRP-1	OMA1 homolog, zinc metalloproteinase (S. cerevisiae)	-0.207422	Inlier
siRNA Disorazole DMSO Run2	NM_145243	MPRP-1	OMA1 homolog, zinc metalloproteinase (S. cerevisiae)	-0.024744	Inlier
siRNA Disorazole DMSO Run1	NM_145243	MPRP-1	OMA1 homolog, zinc metalloproteinase (S. cerevisiae)	0.024744	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_1452 43	MPRP-1	OMA1 homolog, zinc metallope ptidase (S. cerevisiae)	0.659521	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1452 43	MPRP-1	OMA1 homolog, zinc metallope ptidase (S. cerevisiae)	0.689479	Inlier
siRNA Disorazole DMSO Run3	NM_1452 43	MPRP-1	OMA1 homolog, zinc metallope ptidase (S. cerevisiae)	0.836959	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 13440	MPST	mercaptopyruvate sulfurtransferase	-1.299205	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 13440	MPST	mercaptopyruvate sulfurtransferase	-0.885793	Inlier
siRNA Disorazole DMSO Run3	NM_0010 13440	MPST	mercaptopyruvate sulfurtransferase	-0.463207	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 13440	MPST	mercaptopyruvate sulfurtransferase	-0.099574	Inlier
siRNA Disorazole DMSO Run1	NM_0010 13440	MPST	mercaptopyruvate sulfurtransferase	0.099574	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 13440	MPST	mercaptopyruvate sulfurtransferase	0.28931	Inlier
siRNA Disorazole DMSO Run2	NM_0010 13440	MPST	mercaptopyruvate sulfurtransferase	2.174135	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0010 13440	MPST	mercaptopyruvate sulfurtransferase muscle RAS	3.67108	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0122 19	MRAS	oncogene homolog muscle RAS	-3.780994	Outlier
siRNA Disorazole DMSO Run1	NM_0122 19	MRAS	oncogene homolog muscle RAS	-0.769257	Inlier
siRNA Disorazole DMSO Run3	NM_0122 19	MRAS	oncogene homolog muscle RAS	-0.458018	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0122 19	MRAS	oncogene homolog muscle RAS	-0.078631	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0122 19	MRAS	oncogene homolog muscle RAS	0.078632	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0122 19	MRAS	oncogene homolog muscle RAS	0.579742	Inlier
siRNA Disorazole DMSO Run2	NM_0122 19	MRAS	oncogene homolog muscle RAS	2.105334	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0122 19	MRAS	oncogene homolog	3.67197	Outlier
siRNA-Vinblastine Run2-DMSO	NM_0024 38	MRC1	mannose receptor, C type 1	-0.813124	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0024 38	MRC1	mannose receptor, C type 1	-0.693331	Inlier
siRNA Disorazole DMSO Run3	NM_0024 38	MRC1	mannose receptor, C type 1	-0.655669	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0024 38	MRC1	mannose receptor, C type 1	-0.099284	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0024 38	MRC1	mannose receptor, C type 1	0.099284	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0024 38	MRC1	mannose receptor, C type 1	0.237234	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0024 38	MRC1	mannose receptor, C type 1	1.59056	Inlier
siRNA Disorazole DMSO Run2	NM_0024 38	MRC1	mannose receptor, C type 1	1.865975	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0060 39	MRC2	mannose receptor, C type 2	-2.033023	Inlier
siRNA Disorazole DMSO Run1	NM_0060 39	MRC2	mannose receptor, C type 2	-0.937861	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0060 39	MRC2	mannose receptor, C type 2	-0.48632	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0060 39	MRC2	mannose receptor, C type 2	-0.346718	Inlier
siRNA Disorazole DMSO Run2	NM_0060 39	MRC2	mannose receptor, C type 2	0.346718	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0060 39	MRC2	mannose receptor, C type 2	0.623358	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0060 39	MRC2	mannose receptor, C type 2	0.725642	Inlier
siRNA Disorazole DMSO Run3	NM_0060 39	MRC2	mannose receptor, C type 2	3.01879	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0055 90	MRE11A	MRE11 meiotic recombina tion 11 homolog A (S. cerevisiae)	-0.822101	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0055 90	MRE11A	MRE11 meiotic recombina tion 11 homolog A (S. cerevisiae)	-0.703413	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0055 90	MRE11A	MRE11 meiotic recombina tion 11 homolog A (S. cerevisiae)	-0.099527	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0055 90	MRE11A	MRE11 meiotic recombina tion 11 homolog A (S. cerevisiae)	-0.07529	Inlier
siRNA Disorazole DMSO Run3	NM_0055 90	MRE11A	MRE11 meiotic recombina tion 11 homolog A (S. cerevisiae)	0.075291	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0055 90	MRE11A	MRE11 meiotic recombina tion 11 homolog A (S. cerevisiae)	0.645587	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0055 90	MRE11A	MRE11 meiotic recombina tion 11 homolog A (S. cerevisiae)	1.504345	Inlier
siRNA Disorazole DMSO Run2	NM_0055 90	MRE11A	MRE11 meiotic recombina tion 11 homolog A (S. cerevisiae)	2.195635	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_1989 23	MRGPRD	MAS-related GPR, member D	-0.721275	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1989 23	MRGPRD	MAS-related GPR, member D	-0.627725	Inlier
siRNA Disorazole DMSO Run3	NM_1989 23	MRGPRD	MAS-related GPR, member D	-0.609683	Inlier
siRNA Disorazole DMSO Run1	NM_1989 23	MRGPRD	MAS-related GPR, member D	-0.058271	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1989 23	MRGPRD	MAS-related GPR, member D	0.058271	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1989 23	MRGPRD	MAS-related GPR, member D	0.816192	Inlier
siRNA Disorazole DMSO Run2	NM_1989 23	MRGPRD	MAS-related GPR, member D	6.407352	Outlier
siRNA-Vinblastine Run1-DMSO	NM_1989 23	MRGPRD	MAS-related GPR, member D	6.693929	Outlier
siRNA-Temozolomide Run3-DMSO	NM_1450 15	MRGPRF	MAS-related GPR, member F	-1.133617	Inlier
siRNA Disorazole DMSO Run2	NM_1450 15	MRGPRF	MAS-related GPR, member F	-0.543655	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1450 15	MRGPRF	MAS-related GPR, member F	-0.492458	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Category	Value	Outlier Status
siRNA-Temozolomide Run1-DMSO	NM_1450 15	MRGPRF	MAS-related GPR, member F	-0.189583	Inlier
siRNA Disorazole DMSO Run1	NM_1450 15	MRGPRF	MAS-related GPR, member F	0.189582	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1450 15	MRGPRF	MAS-related GPR, member F	0.805345	Inlier
siRNA Disorazole DMSO Run3	NM_1450 15	MRGPRF	MAS-related GPR, member F	0.886137	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1450 15	MRGPRF	MAS-related GPR, member F	0.967417	Inlier
siRNA Disorazole DMSO Run1	NM_1471 99	MRGX1	MAS-related GPR, member X1	-1.05619	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1471 99	MRGX1	MAS-related GPR, member X1	-0.744605	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1471 99	MRGX1	MAS-related GPR, member X1	-0.486921	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1471 99	MRGX1	MAS-related GPR, member X1	-0.077665	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1471 99	MRGX1	MAS-related GPR, member X1	0.077665	Inlier
siRNA Disorazole DMSO Run2	NM_1471 99	MRGX1	MAS-related GPR, member X1	0.604395	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_1471 99	MRGX1	MAS-related GPR, member X1	0.830677 Inlier
siRNA Disorazole DMSO Run3	NM_1471 99	MRGX1	MAS-related GPR, member X1	1.852396 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0540 30	MRGX2	MAS-related GPR, member X2	-2.176262 Inlier
siRNA Disorazole DMSO Run2	NM_0540 30	MRGX2	MAS-related GPR, member X2	-1.732393 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0540 30	MRGX2	MAS-related GPR, member X2	-0.154348 Inlier
siRNA Disorazole DMSO Run3	NM_0540 30	MRGX2	MAS-related GPR, member X2	-0.00193 Inlier
siRNA Disorazole DMSO Run1	NM_0540 30	MRGX2	MAS-related GPR, member X2	0.00193 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0540 30	MRGX2	MAS-related GPR, member X2	0.082315 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0540 30	MRGX2	MAS-related GPR, member X2	1.194652 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0540 30	MRGX2	MAS-related GPR, member X2	1.268224 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0540 31	MRGX3	MAS-related GPR, member X3	-1.545907 Inlier
siRNA Disorazole DMSO Run2	NM_0540 31	MRGX3	MAS-related GPR, member X3	-1.376423 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0540 31	MRGX3	MAS-related GPR, member X3	-0.5523 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0540 31	MRGX3	MAS-related GPR, member X3	-0.254056 Inlier
siRNA Disorazole DMSO Run1	NM_0540 31	MRGX3	MAS-related GPR, member X3	0.254055 Inlier
siRNA Disorazole DMSO Run3	NM_0540 31	MRGX3	MAS-related GPR, member X3	0.355317 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0540 31	MRGX3	MAS-related GPR, member X3	0.7967 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0540 31	MRGX3	MAS-related GPR, member X3	0.952203 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0540 32	MRGX4	MAS-related GPR, member X4	-2.936108 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0540 32	MRGX4	MAS-related GPR, member X4	-0.623393 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0540 32	MRGX4	MAS-related GPR, member X4	-0.264167	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0540 32	MRGX4	MAS-related GPR, member X4	-0.018769	Inlier
siRNA Disorazole DMSO Run1	NM_0540 32	MRGX4	MAS-related GPR, member X4	0.018769	Inlier
siRNA Disorazole DMSO Run3	NM_0540 32	MRGX4	MAS-related GPR, member X4	0.725607	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0540 32	MRGX4	MAS-related GPR, member X4	0.945252	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0540 32	MRGX4	MAS-related GPR, member X4	1.997724	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0151 34	M-RIP	M-RIP	-1.089931	Inlier
siRNA Disorazole DMSO Run2	NM_0151 34	M-RIP	M-RIP	-0.886386	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0151 34	M-RIP	M-RIP	-0.729839	Inlier
siRNA Disorazole DMSO Run1	NM_0151 34	M-RIP	M-RIP	-0.062105	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0151 34	M-RIP	M-RIP	0.062105	Inlier
siRNA Disorazole DMSO Run3	NM_0151 34	M-RIP	M-RIP	0.423445	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0151 34	M-RIP	M-RIP	0.619161	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0151 34	M-RIP	M-RIP mitochondrial ribosomal protein	1.021144	Inlier
siRNA Disorazole DMSO Run2	NM_0224 97	MRPS25	S25	-0.960392	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0224 97	MRPS25	mitochondrial ribosomal protein S25	-0.823858	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0224 97	MRPS25	mitochondrial ribosomal protein S25	-0.683382	Inlier
siRNA Disorazole DMSO Run1	NM_0224 97	MRPS25	mitochondrial ribosomal protein S25	-0.024043	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0224 97	MRPS25	mitochondrial ribosomal protein S25	0.024043	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0224 97	MRPS25	mitochondrial ribosomal protein S25	0.311745	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0224 97	MRPS25	mitochondrial ribosomal protein S25	0.665618	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0224 97	MRPS25	mitochondrial ribosomal protein S25	0.766922	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0001 39	MS4A2	membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of IgE, high affinity I, receptor for; beta polypeptide)	-1.651529	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_000139	MS4A2	membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of IgE, high affinity I, receptor for; beta polypeptide)	-0.821799	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000139	MS4A2	membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of IgE, high affinity I, receptor for; beta polypeptide)	-0.527201	Inlier
siRNA Disorazole DMSO Run3	NM_000139	MS4A2	membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of IgE, high affinity I, receptor for; beta polypeptide)	-0.004632	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0001 39	MS4A2	membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of IgE, high affinity I, receptor for; beta polypeptide)	0.004632	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0001 39	MS4A2	membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of IgE, high affinity I, receptor for; beta polypeptide)	0.284536	Inlier
siRNA Disorazole DMSO Run2	NM_0001 39	MS4A2	membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of IgE, high affinity I, receptor for; beta polypeptide)	2.14842	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_000139	MS4A2	membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of IgE, high affinity I, receptor for; beta polypeptide)	2.582356	Inlier
siRNA-Temozolomide Run2-DMSO	NM_031457	MS4A8B	membrane-spanning 4-domains, subfamily A, member 8B	-1.214534	Inlier
siRNA-Temozolomide Run3-DMSO	NM_031457	MS4A8B	membrane-spanning 4-domains, subfamily A, member 8B	-0.625252	Inlier
siRNA Disorazole DMSO Run1	NM_031457	MS4A8B	membrane-spanning 4-domains, subfamily A, member 8B	-0.620018	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0314 57	MS4A8B	membrane-spanning 4- domains, subfamily A, member 8B	-0.406558 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0314 57	MS4A8B	membrane-spanning 4- domains, subfamily A, member 8B	0.406558 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0314 57	MS4A8B	membrane-spanning 4- domains, subfamily A, member 8B	0.723748 Inlier
siRNA Disorazole DMSO Run2	NM_0314 57	MS4A8B	membrane-spanning 4- domains, subfamily A, member 8B	1.360752 Inlier
siRNA Disorazole DMSO Run3	NM_0314 57	MS4A8B	membrane-spanning 4- domains, subfamily A, member 8B	1.650721 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0320 46	MSP	transmembrane protease, serine 13	-0.73931 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0320 46	MSP	transmembrane protease, serine 13	-0.60969	Inlier
siRNA Disorazole DMSO Run2	NM_0320 46	MSP	transmembrane protease, serine 13	-0.37498	Inlier
siRNA Disorazole DMSO Run3	NM_0320 46	MSP	transmembrane protease, serine 13	-0.196595	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0320 46	MSP	transmembrane protease, serine 13	0.196595	Inlier
siRNA Disorazole DMSO Run1	NM_0320 46	MSP	transmembrane protease, serine 13	0.847891	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0320 46	MSP	transmembrane protease, serine 13	1.975205	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0320 46	MSP	transmembrane protease, serine 13	1.984465	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1387 16	MSR1	macrophage scavenger receptor 1	-3.966848	Outlier
siRNA Disorazole DMSO Run3	NM_1387 16	MSR1	macrophage scavenger receptor 1	-0.674811	Inlier
siRNA Disorazole DMSO Run1	NM_1387 16	MSR1	macrophage scavenger receptor 1	-0.674189	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1387 16	MSR1	macrophage scavenger receptor 1	-0.035023	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1387 16	MSR1	macrophage scavenger receptor 1	0.035025	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1387 16	MSR1	macrophage scavenger receptor 1	0.520933	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log2 Fold Change	Significance
siRNA Disorazole DMSO Run2	NM_1387 16	MSR1	macrophage scavenger receptor 1	2.027266	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1387 16	MSR1	macrophage scavenger receptor 1	2.941626	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0123 31	MSRA	methionine sulfoxide reductase A	-3.879631	Outlier
siRNA Disorazole DMSO Run1	NM_0123 31	MSRA	methionine sulfoxide reductase A	-0.739532	Inlier
siRNA Disorazole DMSO Run3	NM_0123 31	MSRA	methionine sulfoxide reductase A	-0.609468	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0123 31	MSRA	methionine sulfoxide reductase A	-0.195699	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0123 31	MSRA	methionine sulfoxide reductase A	0.195699	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0123 31	MSRA	methionine sulfoxide reductase A	0.196206	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0123 31	MSRA	methionine sulfoxide reductase A	2.681819	Inlier
siRNA Disorazole DMSO Run2	NM_0123 31	MSRA	methionine sulfoxide reductase A	5.170175	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_020998	MST1	macrophage stimulating 1 (hepatocyte growth factor-like)	-1.129983	Inlier
siRNA-Temozolomide Run2-DMSO	NM_020998	MST1	macrophage stimulating 1 (hepatocyte growth factor-like)	-0.566139	Inlier
siRNA Disorazole DMSO Run1	NM_020998	MST1	macrophage stimulating 1 (hepatocyte growth factor-like)	-0.239066	Inlier
siRNA Disorazole DMSO Run2	NM_020998	MST1	macrophage stimulating 1 (hepatocyte growth factor-like)	-0.142999	Inlier
siRNA-Temozolomide Run1-DMSO	NM_020998	MST1	macrophage stimulating 1 (hepatocyte growth factor-like)	0.142999	Inlier
siRNA Disorazole DMSO Run3	NM_020998	MST1	macrophage stimulating 1 (hepatocyte growth factor-like)	0.782861	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_020998	MST1	macrophage stimulating 1 (hepatocyte growth factor-like)	0.825324	Inlier
siRNA-Vinblastine Run1-DMSO	NM_020998	MST1	macrophage stimulating 1 (hepatocyte growth factor-like)	1.040533	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002447	MST1R	macrophage stimulating 1 receptor (c-met-related tyrosine kinase)	-2.540883	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002447	MST1R	macrophage stimulating 1 receptor (c-met-related tyrosine kinase)	-0.863593	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002447	MST1R	macrophage stimulating 1 receptor (c-met-related tyrosine kinase)	-0.719424	Inlier
siRNA Disorazole DMSO Run1	NM_002447	MST1R	macrophage stimulating 1 receptor (c-met-related tyrosine kinase)	-0.133588	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0024 47	MST1R	macrophage stimulating 1 receptor (c-met-related tyrosine kinase)	0.133588	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0024 47	MST1R	macrophage stimulating 1 receptor (c-met-related tyrosine kinase)	0.206556	Inlier
siRNA Disorazole DMSO Run2	NM_0024 47	MST1R	macrophage stimulating 1 receptor (c-met-related tyrosine kinase)	0.629576	Inlier
siRNA Disorazole DMSO Run3	NM_0024 47	MST1R	macrophage stimulating 1 receptor (c-met-related tyrosine kinase)	1.148526	Inlier
siRNA Disorazole DMSO Run2	NM_0165 42	MST4	MST4	-0.766619	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0165 42	MST4	MST4	-0.582381	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0165 42	MST4	MST4	-0.475155	Inlier
siRNA Disorazole DMSO Run3	NM_0165 42	MST4	MST4	-0.257014	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0165 42	MST4	MST4	0.257014	Inlier
siRNA Disorazole DMSO Run1	NM_0165 42	MST4	MST4	2.048672	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0165 42	MST4	MST4	2.361907	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0165 42	MST4	MST4	3.314512	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Temozolomide Run2- DMSO	NM_0145 07	MT	MT	-1.140959	Inlier
siRNA Disorazole DMSO Run1	NM_0145 07	MT	MT	-0.315068	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0145 07	MT	MT	-0.231632	Inlier
siRNA Disorazole DMSO Run2	NM_0145 07	MT	MT	-0.073509	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0145 07	MT	MT	0.073509	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0145 07	MT	MT	1.033932	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0145 07	MT	MT	1.62326	Inlier
siRNA Disorazole DMSO Run3	NM_0145 07	MT	MT	3.964054	Outlier
siRNA Disorazole DMSO Run1	NM_0024 51	MTAP	methylthio adenosine phosphoryl ase	-1.636605	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0024 51	MTAP	methylthio adenosine phosphoryl ase	-1.055624	Inlier
siRNA Disorazole DMSO Run3	NM_0024 51	MTAP	methylthio adenosine phosphoryl ase	-0.671126	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0024 51	MTAP	methylthio adenosine phosphoryl ase	-0.03544	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0024 51	MTAP	methylthio adenosine phosphoryl ase	0.03544	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0024 51	MTAP	methylthio adenosine phosphoryl ase	0.220892	Inlier
siRNA Disorazole DMSO Run2	NM_0024 51	MTAP	methylthio adenosine phosphoryl ase	0.677874	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_002451	MTAP	methylthioadenosine phosphorylase	2.375905	Inlier
siRNA Disorazole DMSO Run2	NM_173702	MTATP6	ATP synthase 6	-1.885869	Inlier
siRNA Disorazole DMSO Run3	NM_173702	MTATP6	ATP synthase 6	-0.918297	Inlier
siRNA Disorazole DMSO Run1	NM_173702	MTATP6	ATP synthase 6	-0.430703	Inlier
siRNA-Temozolomide Run2-DMSO	NM_173702	MTATP6	ATP synthase 6	-0.110315	Inlier
siRNA-Temozolomide Run3-DMSO	NM_173702	MTATP6	ATP synthase 6	0.110316	Inlier
siRNA-Vinblastine Run1-DMSO	NM_173702	MTATP6	ATP synthase 6	0.14925	Inlier
siRNA-Vinblastine Run2-DMSO	NM_173702	MTATP6	ATP synthase 6	1.771152	Inlier
siRNA-Temozolomide Run1-DMSO	NM_173702	MTATP6	ATP synthase 6	2.068507	Inlier
siRNA Disorazole DMSO Run2	NM_173703	MTATP8	ATP synthase 8	-2.237302	Inlier
siRNA Disorazole DMSO Run3	NM_173703	MTATP8	ATP synthase 8	-0.682957	Inlier
siRNA-Temozolomide Run2-DMSO	NM_173703	MTATP8	ATP synthase 8	-0.224578	Inlier
siRNA Disorazole DMSO Run1	NM_173703	MTATP8	ATP synthase 8	-0.068645	Inlier
siRNA-Temozolomide Run3-DMSO	NM_173703	MTATP8	ATP synthase 8	0.068645	Inlier
siRNA-Vinblastine Run2-DMSO	NM_173703	MTATP8	ATP synthase 8	0.666043	Inlier
siRNA-Temozolomide Run1-DMSO	NM_173703	MTATP8	ATP synthase 8	0.698927	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_1737 03	MTATP8	ATP synthase 8 cytochrom e c	1.377785	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1737 04	MTCO1	oxidase I cytochrom e c	-0.771838	Inlier
siRNA Disorazole DMSO Run1	NM_1737 04	MTCO1	oxidase I cytochrom e c	-0.577162	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1737 04	MTCO1	oxidase I cytochrom e c	-0.053768	Inlier
siRNA Disorazole DMSO Run3	NM_1737 04	MTCO1	oxidase I cytochrom e c	-0.021945	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1737 04	MTCO1	oxidase I cytochrom e c	0.021945	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1737 04	MTCO1	oxidase I cytochrom e c	0.855766	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1737 04	MTCO1	oxidase I cytochrom e c	1.211327	Inlier
siRNA Disorazole DMSO Run2	NM_1737 04	MTCO1	oxidase I cytochrom e c	2.831322	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1737 05	MTCO2	oxidase II cytochrom e c	-0.820245	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1737 05	MTCO2	oxidase II cytochrom e c	-0.774144	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1737 05	MTCO2	oxidase II cytochrom e c	-0.574856	Inlier
siRNA Disorazole DMSO Run1	NM_1737 05	MTCO2	oxidase II cytochrom e c	-0.486451	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1737 05	MTCO2	oxidase II cytochrom e c	0.486451	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1737 05	MTCO2	oxidase II cytochrom e c	0.572152	Inlier
siRNA Disorazole DMSO Run3	NM_1737 05	MTCO2	oxidase II cytochrom e c	1.061474	Inlier
siRNA Disorazole DMSO Run2	NM_1737 05	MTCO2	oxidase II	2.084725	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_1392					
siRNA Disorazole DMSO Run2	42	MtFMT	MtFMT	-2.100767	Inlier	
	NM_1392					
siRNA Disorazole DMSO Run1	42	MtFMT	MtFMT	-0.934906	Inlier	
	NM_1392					
siRNA Disorazole DMSO Run3	42	MtFMT	MtFMT	-0.668166	Inlier	
siRNA-Temozolomide Run3-DMSO	NM_1392					
	42	MtFMT	MtFMT	-0.069893	Inlier	
siRNA-Temozolomide Run1-DMSO	NM_1392					
	42	MtFMT	MtFMT	0.069894	Inlier	
siRNA-Temozolomide Run2-DMSO	NM_1392					
	42	MtFMT	MtFMT	0.558971	Inlier	
siRNA-Vinblastine Run2-DMSO	NM_1392					
	42	MtFMT	MtFMT	0.680834	Inlier	
siRNA-Vinblastine Run1-DMSO	NM_1392					
	42	MtFMT	MtFMT	2.305223	Inlier	
						methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1, methylenetetrahydrofolate cyclohydrolase, formyltetrahydrofolate
siRNA-Temozolomide Run2-DMSO	NM_0059					
	56	MTHFD1	synthetase	-4.153223	Outlier	
						methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1, methylenetetrahydrofolate cyclohydrolase, formyltetrahydrofolate
	NM_0059					
siRNA Disorazole DMSO Run1	56	MTHFD1	synthetase	-2.196988	Inlier	

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_005956	MTHFD1	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1, methenyltetrahydrofolate cyclohydrolase, formyltetrahydrofolate synthetase	-0.538598	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005956	MTHFD1	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1, methenyltetrahydrofolate cyclohydrolase, formyltetrahydrofolate synthetase	-0.332417	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

			methylenet etrahydrof olate dehydroge nase (NADP+ dependent) 1, methenylte trahydrofol ate cyclohydro lase, formyltetra hydrofolat e	
siRNA-Temozolomide Run1- DMSO	NM_0059 56	MTHFD1	synthetase	0.332416 Inlier

			methylenet etrahydrof olate dehydroge nase (NADP+ dependent) 1, methenylte trahydrofol ate cyclohydro lase, formyltetra hydrofolat e	
siRNA Disorazole DMSO Run3	NM_0059 56	MTHFD1	synthetase	0.343795 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0059 56	MTHFD1	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1, methylenetetrahydrofolate synthetase	0.810402	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0059 56	MTHFD1	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1, methylenetetrahydrofolate synthetase	1.367724	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0066 36	MTHFD2	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 2, methylenetetrahydrofolate cyclohydrolase	-3.880093	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Log Fold Change	Category
siRNA Disorazole DMSO Run1	NM_006636	MTHFD2	-1.071281	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006636	MTHFD2	-0.277719	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006636	MTHFD2	-0.110384	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006636	MTHFD2	0.110381	Inlier

methylenet
etrahydrof
olate
dehydroge
nase
(NADP+
dependent
) 2,
methenylte
trahydrofol
ate
cyclohydro
lase
methylenet
etrahydrof
olate
dehydroge
nase
(NADP+
dependent
) 2,
methenylte
trahydrofol
ate
cyclohydro
lase
methylenet
etrahydrof
olate
dehydroge
nase
(NADP+
dependent
) 2,
methenylte
trahydrofol
ate
cyclohydro
lase
methylenet
etrahydrof
olate
dehydroge
nase
(NADP+
dependent
) 2,
methenylte
trahydrofol
ate
cyclohydro
lase

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

				methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 2, methylenetetrahydrofolate	
siRNA-Temozolomide Run3-DMSO	NM_006636	MTHFD2		cyclohydrolase	0.166326 Inlier
				methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 2, methylenetetrahydrofolate	
siRNA Disorazole DMSO Run2	NM_006636	MTHFD2		cyclohydrolase	2.902317 Inlier
				methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 2, methylenetetrahydrofolate	
siRNA Disorazole DMSO Run3	NM_006636	MTHFD2		cyclohydrolase	4.885131 Outlier
				5,10-methylenetetrahydrofolate reductase (NADPH)	
siRNA Disorazole DMSO Run3	NM_005957	MTHFR		5,10-methylenetetrahydrofolate reductase (NADPH)	-1.107719 Inlier
siRNA-Temozolomide Run3-DMSO	NM_005957	MTHFR		5,10-methylenetetrahydrofolate reductase (NADPH)	-0.816884 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0059 57	MTHFR	5,10-methylenetetrahydrofolate reductase (NADPH)	-0.532116	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0059 57	MTHFR	5,10-methylenetetrahydrofolate reductase (NADPH)	-0.237434	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0059 57	MTHFR	5,10-methylenetetrahydrofolate reductase (NADPH)	0.237433	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0059 57	MTHFR	5,10-methylenetetrahydrofolate reductase (NADPH)	0.488693	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0059 57	MTHFR	5,10-methylenetetrahydrofolate reductase (NADPH)	1.427209	Inlier
siRNA Disorazole DMSO Run2	NM_0059 57	MTHFR	5,10-methylenetetrahydrofolate reductase (NADPH)	1.633595	Inlier
siRNA Disorazole DMSO Run1	NM_0064 41	MTHFS	5,10-methylenetetrahydrofolate synthetase (5-formyltetrahydrofolate cyclo-ligase)	-2.892202	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Gene ID	Gene Name	Log Fold Change	Category
siRNA-Temozolomide Run1-DMSO	NM_006441	MTHFS	5,10-methenyltetrahydrofolate synthetase (5-formyltetrahydrofolate cyclo-ligase)	-0.796498	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006441	MTHFS	5,10-methenyltetrahydrofolate synthetase (5-formyltetrahydrofolate cyclo-ligase)	-0.166081	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006441	MTHFS	5,10-methenyltetrahydrofolate synthetase (5-formyltetrahydrofolate cyclo-ligase)	-0.019172	Inlier
siRNA Disorazole DMSO Run3	NM_006441	MTHFS	5,10-methenyltetrahydrofolate synthetase (5-formyltetrahydrofolate cyclo-ligase)	0.019171	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006441	MTHFS	5,10-methenyltetrahydrofolate cyclo-ligase)	0.552502	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			5,10-methenyltetrahydrofolate synthetase (5-formyltetrahydrofolate cyclo-	
siRNA-Vinblastine Run1-DMSO	NM_0064 41	MTHFS	ligase)	1.141971 Inlier
			5,10-methenyltetrahydrofolate synthetase (5-formyltetrahydrofolate cyclo-	
siRNA Disorazole DMSO Run2	NM_0064 41	MTHFS	ligase)	1.56809 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0002 52	MTM1	myotubularin 1	-0.80271 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0002 52	MTM1	myotubularin 1	-0.787928 Inlier
siRNA Disorazole DMSO Run3	NM_0002 52	MTM1	myotubularin 1	-0.644176 Inlier
siRNA Disorazole DMSO Run2	NM_0002 52	MTM1	myotubularin 1	-0.007121 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0002 52	MTM1	myotubularin 1	0.007121 Inlier
siRNA Disorazole DMSO Run1	NM_0002 52	MTM1	myotubularin 1	0.440807 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0002 52	MTM1	myotubularin 1	0.704824 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0002 52	MTM1	myotubularin 1	0.771278 Inlier
			myotubularin related protein 1	
siRNA-Temozolomide Run2-DMSO	NM_1767 89	MTMR1	myotubularin related protein 1	-0.825736 Inlier
			myotubularin related protein 1	
siRNA-Temozolomide Run3-DMSO	NM_1767 89	MTMR1	myotubularin related protein 1	-0.606668 Inlier
			myotubularin related protein 1	
siRNA Disorazole DMSO Run3	NM_1767 89	MTMR1	myotubularin related protein 1	-0.439146 Inlier
			myotubularin related protein 1	
siRNA-Temozolomide Run1-DMSO	NM_1767 89	MTMR1	myotubularin related protein 1	-0.304933 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_1767 89	MTMR1	myotubularin related protein 1	0.304933	Inlier
siRNA Disorazole DMSO Run1	NM_1767 89	MTMR1	myotubularin related protein 1	0.742332	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1767 89	MTMR1	myotubularin related protein 1	1.559179	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1767 89	MTMR1	myotubularin related protein 1	1.807144	Inlier
siRNA Disorazole DMSO Run2	NM_2012 78	MTMR2	myotubularin related protein 2	-1.183362	Inlier
siRNA-Temozolomide Run1-DMSO	NM_2012 78	MTMR2	myotubularin related protein 2	-1.028937	Inlier
siRNA-Temozolomide Run2-DMSO	NM_2012 78	MTMR2	myotubularin related protein 2	-0.831141	Inlier
siRNA-Vinblastine Run2-DMSO	NM_2012 78	MTMR2	myotubularin related protein 2	-0.337618	Inlier
siRNA-Temozolomide Run3-DMSO	NM_2012 78	MTMR2	myotubularin related protein 2	0.337617	Inlier
siRNA Disorazole DMSO Run3	NM_2012 78	MTMR2	myotubularin related protein 2	0.361376	Inlier
siRNA-Vinblastine Run1-DMSO	NM_2012 78	MTMR2	myotubularin related protein 2	0.65313	Inlier
siRNA Disorazole DMSO Run1	NM_2012 78	MTMR2	myotubularin related protein 2	0.69587	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1530 51	MTMR3	myotubularin related protein 3	-1.375071	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_1530 51	MTMR3	myotubularin related protein 3	-0.788347	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1530 51	MTMR3	myotubularin related protein 3	-0.362694	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1530 51	MTMR3	myotubularin related protein 3	-0.000644	Inlier
siRNA Disorazole DMSO Run1	NM_1530 51	MTMR3	myotubularin related protein 3	0.000644	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1530 51	MTMR3	myotubularin related protein 3	0.631668	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1530 51	MTMR3	myotubularin related protein 3	0.717332	Inlier
siRNA Disorazole DMSO Run3	NM_1530 51	MTMR3	myotubularin related protein 3	0.892637	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0046 87	MTMR4	myotubularin related protein 4	-0.906159	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0046 87	MTMR4	myotubularin related protein 4	-0.442841	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0046 87	MTMR4	myotubularin related protein 4	-0.355884	Inlier
siRNA Disorazole DMSO Run3	NM_0046 87	MTMR4	myotubularin related protein 4	-0.198511	Inlier
siRNA Disorazole DMSO Run1	NM_0046 87	MTMR4	myotubularin related protein 4	0.198511	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0046 87	MTMR4	myotubularin related protein 4	1.331533	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0046 87	MTMR4	myotubularin related protein 4	1.343572	Inlier
siRNA Disorazole DMSO Run2	NM_0046 87	MTMR4	myotubularin related protein 4	1.398876	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0046 85	MTMR6	myotubularin related protein 6	-4.95296	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0046 85	MTMR6	myotubularin related protein 6	-4.604959	Outlier
siRNA Disorazole DMSO Run1	NM_0046 85	MTMR6	myotubularin related protein 6	-0.370833	Inlier
siRNA Disorazole DMSO Run3	NM_0046 85	MTMR6	myotubularin related protein 6	-0.259226	Inlier
siRNA Disorazole DMSO Run2	NM_0046 85	MTMR6	myotubularin related protein 6	0.259225	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0046 85	MTMR6	myotubularin related protein 6	0.346446	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0046 85	MTMR6	myotubularin related protein 6	0.978167	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0046 85	MTMR6	myotubularin related protein 6	1.578041	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0046 86	MTMR7	myotubularin related protein 7	-1.026036	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0046 86	MTMR7	myotubularin related protein 7	-0.855546	Inlier
siRNA Disorazole DMSO Run2	NM_0046 86	MTMR7	myotubularin related protein 7	-0.216718	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0046 86	MTMR7	myotubularin related protein 7	-0.155182	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0046 86	MTMR7	myotubularin related protein 7	0.155182	Inlier
siRNA Disorazole DMSO Run1	NM_0046 86	MTMR7	myotubularin related protein 7	0.625338	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0046 86	MTMR7	myotubularin related protein 7	0.723662	Inlier
siRNA Disorazole DMSO Run3	NM_0046 86	MTMR7	myotubularin related protein 7	1.358179	Inlier
siRNA Disorazole DMSO Run2	NM_0176 77	MTMR8	myotubularin related protein 8	-0.851033	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0176 77	MTMR8	myotubularin related protein 8	-0.816135	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0176 77	MTMR8	myotubularin related protein 8	-0.612201	Inlier
siRNA Disorazole DMSO Run1	NM_0176 77	MTMR8	myotubularin related protein 8	-0.203894	Inlier
siRNA Disorazole DMSO Run3	NM_0176 77	MTMR8	myotubularin related protein 8	0.203894	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0176 77	MTMR8	myotubularin related protein 8	0.658568	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0176 77	MTMR8	myotubularin related protein 8	0.690432	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0176 77	MTMR8	myotubularin related protein 8	0.926833	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0154 58	MTMR9	myotubularin related protein 9	-0.73236	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0154 58	MTMR9	myotubularin related protein 9	-0.61664	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0154 58	MTMR9	myotubularin related protein 9	-0.066183	Inlier
siRNA Disorazole DMSO Run2	NM_0154 58	MTMR9	myotubularin related protein 9	-0.009955	Inlier
siRNA Disorazole DMSO Run3	NM_0154 58	MTMR9	myotubularin related protein 9	0.009955	Inlier
siRNA Disorazole DMSO Run1	NM_0154 58	MTMR9	myotubularin related protein 9	0.990321	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0154 58	MTMR9	myotubularin related protein 9	1.521816	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0154 58	MTMR9	myotubularin related protein 9	1.74125	Inlier
siRNA Disorazole DMSO Run1	NM_1737 08	MTND1	NADH dehydrogenase 1	-1.208132	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1737 08	MTND1	NADH dehydrogenase 1	-0.94107	Inlier
siRNA Disorazole DMSO Run2	NM_1737 08	MTND1	NADH dehydrogenase 1	-0.464008	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1737 08	MTND1	NADH dehydrogenase 1	-0.067542	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1737 08	MTND1	NADH dehydrogenase 1	0.067542	Inlier
siRNA Disorazole DMSO Run3	NM_1737 08	MTND1	NADH dehydrogenase 1	0.195728	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	siRNA	Gene	MTND	NADH dehydrogenase	Value	Inlier
siRNA-Vinblastine Run1-DMSO	NM_173708	MTND1	nase 1	0.884992	Inlier	
siRNA-Temozolomide Run3-DMSO	NM_173708	MTND1	nase 1	1.060581	Inlier	
siRNA-Temozolomide Run2-DMSO	NM_173709	MTND2	nase 2	-1.609229	Inlier	
siRNA-Temozolomide Run3-DMSO	NM_173709	MTND2	nase 2	-0.979505	Inlier	
siRNA Disorazole DMSO Run3	NM_173709	MTND2	nase 2	-0.220338	Inlier	
siRNA Disorazole DMSO Run1	NM_173709	MTND2	nase 2	-0.13633	Inlier	
siRNA-Temozolomide Run1-DMSO	NM_173709	MTND2	nase 2	0.13633	Inlier	
siRNA-Vinblastine Run2-DMSO	NM_173709	MTND2	nase 2	0.607024	Inlier	
siRNA Disorazole DMSO Run2	NM_173709	MTND2	nase 2	0.741976	Inlier	
siRNA-Vinblastine Run1-DMSO	NM_173709	MTND2	nase 2	0.824029	Inlier	
siRNA Disorazole DMSO Run1	NM_173710	MTND3	nase 3	-2.416955	Inlier	
siRNA-Temozolomide Run2-DMSO	NM_173710	MTND3	nase 3	-0.973848	Inlier	
siRNA-Temozolomide Run3-DMSO	NM_173710	MTND3	nase 3	-0.544046	Inlier	
siRNA Disorazole DMSO Run3	NM_173710	MTND3	nase 3	-0.248377	Inlier	
siRNA-Vinblastine Run2-DMSO	NM_173710	MTND3	nase 3	0.248377	Inlier	
siRNA-Vinblastine Run1-DMSO	NM_173710	MTND3	nase 3	0.458216	Inlier	
siRNA Disorazole DMSO Run2	NM_173710	MTND3	nase 3	0.804954	Inlier	

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology			NADH dehydrogenase 3		
siRNA-Temozolomide Run1-DMSO	NM_1737 10	MTND3	NADH dehydrogenase 3	1.111167	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1737 11	MTND4	NADH dehydrogenase 4	-1.487355	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1737 11	MTND4	NADH dehydrogenase 4	-1.171222	Inlier
siRNA Disorazole DMSO Run1	NM_1737 11	MTND4	NADH dehydrogenase 4	-0.945415	Inlier
siRNA Disorazole DMSO Run2	NM_1737 11	MTND4	NADH dehydrogenase 4	-0.085288	Inlier
siRNA Disorazole DMSO Run3	NM_1737 11	MTND4	NADH dehydrogenase 4	0.085288	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1737 11	MTND4	NADH dehydrogenase 4	0.185911	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1737 11	MTND4	NADH dehydrogenase 4	0.637195	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1737 11	MTND4	NADH dehydrogenase 4	0.711805	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1737 12	MTND4L	NADH dehydrogenase 4L	-2.308192	Inlier
siRNA Disorazole DMSO Run1	NM_1737 12	MTND4L	NADH dehydrogenase 4L	-1.191804	Inlier
siRNA Disorazole DMSO Run3	NM_1737 12	MTND4L	NADH dehydrogenase 4L	-0.194869	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1737 12	MTND4L	NADH dehydrogenase 4L	-0.048685	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1737 12	MTND4L	NADH dehydrogenase 4L	0.048685	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1737 12	MTND4L	NADH dehydrogenase 4L	0.642604	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1737 12	MTND4L	NADH dehydrogenase 4L	0.706396	Inlier
siRNA Disorazole DMSO Run2	NM_1737 12	MTND4L	NADH dehydrogenase 4L	1.864758	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1737 13	MTND5	NADH dehydroge nase 5	-1.866618	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1737 13	MTND5	NADH dehydroge nase 5	-1.039276	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1737 13	MTND5	NADH dehydroge nase 5	-0.910147	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1737 13	MTND5	NADH dehydroge nase 5	-0.019432	Inlier
siRNA Disorazole DMSO Run3	NM_1737 13	MTND5	NADH dehydroge nase 5	0.019432	Inlier
siRNA Disorazole DMSO Run2	NM_1737 13	MTND5	NADH dehydroge nase 5	0.581899	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1737 13	MTND5	NADH dehydroge nase 5	0.593567	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1737 13	MTND5	NADH dehydroge nase 5	0.755433	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1737 14	MTND6	NADH dehydroge nase 6	-1.211594	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1737 14	MTND6	NADH dehydroge nase 6	-0.653155	Inlier
siRNA Disorazole DMSO Run1	NM_1737 14	MTND6	NADH dehydroge nase 6	-0.581481	Inlier
siRNA Disorazole DMSO Run3	NM_1737 14	MTND6	NADH dehydroge nase 6	-0.320611	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1737 14	MTND6	NADH dehydroge nase 6	0.320611	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1737 14	MTND6	NADH dehydroge nase 6	0.695845	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1737 14	MTND6	NADH dehydroge nase 6	0.739166	Inlier
siRNA Disorazole DMSO Run2	NM_1737 14	MTND6	NADH dehydroge nase 6	1.349365	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0059 58	MTNR1A	melatonin receptor 1A	-1.719368	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology				melatonin receptor	
siRNA-Temozolomide Run2-DMSO	NM_0059 58	MTNR1A	1A	melatonin receptor	-0.606366 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0059 58	MTNR1A	1A	melatonin receptor	-0.558856 Inlier
siRNA Disorazole DMSO Run2	NM_0059 58	MTNR1A	1A	melatonin receptor	-0.002743 Inlier
siRNA Disorazole DMSO Run1	NM_0059 58	MTNR1A	1A	melatonin receptor	0.002743 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0059 58	MTNR1A	1A	melatonin receptor	0.742634 Inlier
siRNA Disorazole DMSO Run3	NM_0059 58	MTNR1A	1A	melatonin receptor	0.752382 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0059 58	MTNR1A	1A	melatonin receptor	0.854906 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0059 59	MTNR1B	1B	melatonin receptor	-1.576641 Inlier
siRNA Disorazole DMSO Run2	NM_0059 59	MTNR1B	1B	melatonin receptor	-0.673566 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0059 59	MTNR1B	1B	melatonin receptor	-0.390503 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0059 59	MTNR1B	1B	melatonin receptor	-0.315346 Inlier
siRNA Disorazole DMSO Run1	NM_0059 59	MTNR1B	1B	melatonin receptor	0.315346 Inlier
siRNA Disorazole DMSO Run3	NM_0059 59	MTNR1B	1B	melatonin receptor	0.675434 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0059 59	MTNR1B	1B	melatonin receptor	0.821741 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0059 59	MTNR1B	1B	melatonin receptor	0.851568 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_1336 45	MTO1	mitochondrial translation optimization 1 homolog (S. cerevisiae)	-1.848007	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1336 45	MTO1	mitochondrial translation optimization 1 homolog (S. cerevisiae)	-0.915663	Inlier
siRNA Disorazole DMSO Run1	NM_1336 45	MTO1	mitochondrial translation optimization 1 homolog (S. cerevisiae)	-0.433337	Inlier
siRNA Disorazole DMSO Run3	NM_1336 45	MTO1	mitochondrial translation optimization 1 homolog (S. cerevisiae)	-0.170344	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1336 45	MTO1	mitochondrial translation optimization 1 homolog (S. cerevisiae)	0.170344	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_1336 45	MTO1	mitochondrial translation optimization 1 homolog (S. cerevisiae)	0.400226 Inlier
siRNA-Vinblastine Run1-DMSO	NM_1336 45	MTO1	mitochondrial translation optimization 1 homolog (S. cerevisiae)	2.125785 Inlier
siRNA Disorazole DMSO Run2	NM_1336 45	MTO1	mitochondrial translation optimization 1 homolog (S. cerevisiae)	2.648657 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0002 53	MTP	microsomal triglyceride transfer protein (large polypeptide, 88kDa)	-1.663343 Inlier
siRNA Disorazole DMSO Run1	NM_0002 53	MTP	microsomal triglyceride transfer protein (large polypeptide, 88kDa)	-0.510302 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Method	Protein Name	Value	Category
siRNA-Temozolomide Run3-DMSO	NM_000253	MTP	microsomal triglyceride transfer protein (large polypeptide, 88kDa)	-0.325854	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000253	MTP	microsomal triglyceride transfer protein (large polypeptide, 88kDa)	-0.070114	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000253	MTP	microsomal triglyceride transfer protein (large polypeptide, 88kDa)	0.070114	Inlier
siRNA Disorazole DMSO Run3	NM_000253	MTP	microsomal triglyceride transfer protein (large polypeptide, 88kDa)	0.838698	Inlier
siRNA Disorazole DMSO Run2	NM_000253	MTP	microsomal triglyceride transfer protein (large polypeptide, 88kDa)	2.023572	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000253	MTP	microsomal triglyceride transfer protein (large polypeptide, 88kDa)	2.028742	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0002 54	MTR	5- methyltetrahydrofolate-homocysteine methyltransferase	-4.620965	Outlier
siRNA-Vinblastine Run2-DMSO	NM_0002 54	MTR	5- methyltetrahydrofolate-homocysteine methyltransferase	-1.023719	Inlier
siRNA Disorazole DMSO Run3	NM_0002 54	MTR	5- methyltetrahydrofolate-homocysteine methyltransferase	-0.958021	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0002 54	MTR	5- methyltetrahydrofolate-homocysteine methyltransferase	-0.092264	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0002 54	MTR	5- methyltetrahydrofolate-homocysteine methyltransferase	0.092264	Inlier
siRNA Disorazole DMSO Run2	NM_0002 54	MTR	5- methyltetrahydrofolate-homocysteine methyltransferase	0.270344	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_000254	MTR	5-methyltetrahydrofolate-homocysteine methyltransferase	0.390979	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000254	MTR	5-methyltetrahydrofolate-homocysteine methyltransferase	1.397129	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002454	MTRR	5-methyltetrahydrofolate-homocysteine methyltransferase reductase	-1.057207	Inlier
siRNA Disorazole DMSO Run1	NM_002454	MTRR	5-methyltetrahydrofolate-homocysteine methyltransferase reductase	-1.007555	Inlier
siRNA Disorazole DMSO Run3	NM_002454	MTRR	5-methyltetrahydrofolate-homocysteine methyltransferase reductase	-0.459529	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002454	MTRR	5-methyltetrahydrofolate-homocysteine methyltransferase reductase	-0.226772	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_002454	MTRR	5-methyltetrahydrofolate-homocysteine methyltransferase reductase	0.226771	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002454	MTRR	5-methyltetrahydrofolate-homocysteine methyltransferase reductase	0.432367	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002454	MTRR	5-methyltetrahydrofolate-homocysteine methyltransferase reductase	0.889471	Inlier
siRNA Disorazole DMSO Run2	NM_002454	MTRR	5-methyltetrahydrofolate-homocysteine methyltransferase reductase muscle, skeletal, receptor	2.757794	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005592	MUSK	tyrosine kinase muscle, skeletal, receptor	-2.379472	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005592	MUSK	tyrosine kinase muscle, skeletal, receptor	-1.556463	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005592	MUSK	tyrosine kinase	-0.965916	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0055 92	MUSK	muscle, skeletal, receptor tyrosine kinase	-0.018251	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0055 92	MUSK	muscle, skeletal, receptor tyrosine kinase	0.018252	Inlier
siRNA Disorazole DMSO Run1	NM_0055 92	MUSK	muscle, skeletal, receptor tyrosine kinase	0.246075	Inlier
siRNA Disorazole DMSO Run3	NM_0055 92	MUSK	muscle, skeletal, receptor tyrosine kinase	0.383084	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0055 92	MUSK	tyrosine kinase	1.001059	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0002 55	MUT	methylmal onyl Coenzyme A mutase	-1.134446	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0002 55	MUT	methylmal onyl Coenzyme A mutase	-0.939457	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0002 55	MUT	methylmal onyl Coenzyme A mutase	-0.237221	Inlier
siRNA Disorazole DMSO Run1	NM_0002 55	MUT	methylmal onyl Coenzyme A mutase	-0.0923	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0002 55	MUT	methylmal onyl Coenzyme A mutase	0.0923	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0002 55	MUT	methylmal onyl Coenzyme A mutase	0.547688	Inlier
siRNA Disorazole DMSO Run2	NM_0002 55	MUT	methylmal onyl Coenzyme A mutase	0.801312	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0002 55	MUT	methylmal onyl Coenzyme A mutase	1.100749	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0024 61	MVD	mevalonat e (diphosph o) decarboxyl ase	-1.428795	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0024 61	MVD	mevalonat e (diphosph o) decarboxyl ase	-0.743291	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0024 61	MVD	mevalonat e (diphosph o) decarboxyl ase	-0.706765	Inlier
siRNA Disorazole DMSO Run3	NM_0024 61	MVD	mevalonat e (diphosph o) decarboxyl ase	-0.028186	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0024 61	MVD	mevalonat e (diphosph o) decarboxyl ase	0.028186	Inlier
siRNA Disorazole DMSO Run1	NM_0024 61	MVD	mevalonat e (diphosph o) decarboxyl ase	0.108645	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

				mevalonat e (diphosph o) decarboxyl ase	0.642235	Inlier
siRNA Disorazole DMSO Run2	NM_0024 61	MVD		mevalonat e (diphosph o) decarboxyl ase	0.794744	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0024 61	MVD		mevalonat e kinase (mevalonic aciduria)	-1.011861	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0004 31	MVK		mevalonat e kinase (mevalonic aciduria)	-1.002545	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0004 31	MVK		mevalonat e kinase (mevalonic aciduria)	-0.530497	Inlier
siRNA Disorazole DMSO Run2	NM_0004 31	MVK		mevalonat e kinase (mevalonic aciduria)	-0.025684	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0004 31	MVK		mevalonat e kinase (mevalonic aciduria)	0.025684	Inlier
siRNA Disorazole DMSO Run1	NM_0004 31	MVK		mevalonat e kinase (mevalonic aciduria)	0.451548	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0004 31	MVK		mevalonat e kinase (mevalonic aciduria)	0.818503	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0004 31	MVK		mevalonat e kinase (mevalonic aciduria)	1.319461	Inlier
siRNA Disorazole DMSO Run3	NM_0004 31	MVK				

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_031300	MXD3	MAX dimerization protein 3	-0.807255	Inlier
siRNA Disorazole DMSO Run3	NM_031300	MXD3	MAX dimerization protein 3	-0.541745	Inlier
siRNA-Temozolomide Run1-DMSO	NM_031300	MXD3	MAX dimerization protein 3	-0.222617	Inlier
siRNA-Temozolomide Run2-DMSO	NM_031300	MXD3	MAX dimerization protein 3	-0.115067	Inlier
siRNA Disorazole DMSO Run1	NM_031300	MXD3	MAX dimerization protein 3	0.115067	Inlier
siRNA Disorazole DMSO Run2	NM_031300	MXD3	MAX dimerization protein 3	1.04744	Inlier
siRNA-Vinblastine Run2-DMSO	NM_031300	MXD3	MAX dimerization protein 3	1.214509	Inlier
siRNA-Vinblastine Run1-DMSO	NM_031300	MXD3	MAX dimerization protein 3	1.553518	Inlier
siRNA-Temozolomide Run3-DMSO	NM_206821	MYBPC1	myosin binding protein C, slow type	-1.055796	Inlier
siRNA-Vinblastine Run2-DMSO	NM_206821	MYBPC1	myosin binding protein C, slow type	-0.739661	Inlier
siRNA Disorazole DMSO Run3	NM_206821	MYBPC1	myosin binding protein C, slow type	-0.574353	Inlier
siRNA Disorazole DMSO Run1	NM_206821	MYBPC1	myosin binding protein C, slow type	-0.116071	Inlier
siRNA-Temozolomide Run1-DMSO	NM_206821	MYBPC1	myosin binding protein C, slow type	0.116071	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_2068 21	MYBPC1	myosin binding protein C, slow type	0.609339	Inlier
siRNA Disorazole DMSO Run2	NM_2068 21	MYBPC1	myosin binding protein C, slow type	1.056646	Inlier
siRNA-Vinblastine Run1-DMSO	NM_2068 21	MYBPC1	myosin binding protein C, slow type	2.201358	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0045 33	MYBPC2	myosin binding protein C, fast type	-1.052678	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0045 33	MYBPC2	myosin binding protein C, fast type	-0.648376	Inlier
siRNA Disorazole DMSO Run3	NM_0045 33	MYBPC2	myosin binding protein C, fast type	-0.45141	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0045 33	MYBPC2	myosin binding protein C, fast type	-0.244172	Inlier
siRNA Disorazole DMSO Run1	NM_0045 33	MYBPC2	myosin binding protein C, fast type	0.244172	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0045 33	MYBPC2	myosin binding protein C, fast type	0.700624	Inlier
siRNA Disorazole DMSO Run2	NM_0045 33	MYBPC2	myosin binding protein C, fast type	1.830985	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0045 33	MYBPC2	myosin binding protein C, fast type	2.672778	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0002 56	MYBPC3	myosin binding protein C, cardiac	-1.006887	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0002 56	MYBPC3	myosin binding protein C, cardiac	-0.604006	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0002 56	MYBPC3	myosin binding protein C, cardiac myosin binding protein C, cardiac myosin binding protein C, cardiac myosin binding protein C,	-0.316793	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0002 56	MYBPC3	myosin binding protein C, cardiac myosin binding protein C, cardiac myosin binding protein C,	-0.263346	Inlier
siRNA Disorazole DMSO Run1	NM_0002 56	MYBPC3	myosin binding protein C, cardiac myosin binding protein C, cardiac myosin binding protein C,	0.263346	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0002 56	MYBPC3	myosin binding protein C, cardiac myosin binding protein C, cardiac myosin binding protein C,	0.744994	Inlier
siRNA Disorazole DMSO Run2	NM_0002 56	MYBPC3	myosin binding protein C, cardiac myosin binding protein C, cardiac myosin binding protein C,	2.127096	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0002 56	MYBPC3	myosin binding protein C, cardiac myosin binding protein C, cardiac myosin binding protein C,	2.449089	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0049 97	MYBPH	myosin binding protein H myosin binding protein H	-1.270529	Inlier
siRNA Disorazole DMSO Run1	NM_0049 97	MYBPH	myosin binding protein H myosin binding protein H	-0.902302	Inlier
siRNA Disorazole DMSO Run3	NM_0049 97	MYBPH	myosin binding protein H myosin binding protein H	-0.427262	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0049 97	MYBPH	myosin binding protein H myosin binding protein H	-0.306377	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0049 97	MYBPH	myosin binding protein H myosin binding protein H	0.306376	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0049 97	MYBPH	myosin binding protein H myosin binding protein H	0.446698	Inlier
siRNA Disorazole DMSO Run2	NM_0049 97	MYBPH	myosin binding protein H myosin binding protein H	2.066308	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0049 97	MYBPH	myosin binding protein H	2.855083	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0059 63	MYH1	myosin, heavy polypeptid e 1, skeletal muscle, adult	-2.598429	Inlier
siRNA Disorazole DMSO Run3	NM_0059 63	MYH1	myosin, heavy polypeptid e 1, skeletal muscle, adult	-1.044214	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0059 63	MYH1	myosin, heavy polypeptid e 1, skeletal muscle, adult	-0.267348	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0059 63	MYH1	myosin, heavy polypeptid e 1, skeletal muscle, adult	-0.020146	Inlier
siRNA Disorazole DMSO Run1	NM_0059 63	MYH1	myosin, heavy polypeptid e 1, skeletal muscle, adult	0.020147	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0059 63	MYH1	myosin, heavy polypeptid e 1, skeletal muscle, adult	0.304785	Inlier
siRNA Disorazole DMSO Run2	NM_0059 63	MYH1	myosin, heavy polypeptid e 1, skeletal muscle, adult	2.235296	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_005963	MYH1	myosin, heavy polypeptide 1, skeletal muscle, adult	3.962316	Outlier
siRNA-Temozolomide Run3-DMSO	NM_022844	MYH11	myosin, heavy polypeptide 11, smooth muscle	-1.328158	Inlier
siRNA-Temozolomide Run2-DMSO	NM_022844	MYH11	myosin, heavy polypeptide 11, smooth muscle	-0.712316	Inlier
siRNA Disorazole DMSO Run3	NM_022844	MYH11	myosin, heavy polypeptide 11, smooth muscle	-0.636684	Inlier
siRNA-Vinblastine Run2-DMSO	NM_022844	MYH11	myosin, heavy polypeptide 11, smooth muscle	-0.368921	Inlier
siRNA Disorazole DMSO Run1	NM_022844	MYH11	myosin, heavy polypeptide 11, smooth muscle	0.368921	Inlier
siRNA-Temozolomide Run1-DMSO	NM_022844	MYH11	myosin, heavy polypeptide 11, smooth muscle	0.497334	Inlier
siRNA Disorazole DMSO Run2	NM_022844	MYH11	myosin, heavy polypeptide 11, smooth muscle	1.473552	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_022844	MYH11	myosin, heavy polypeptide 11, smooth muscle myosin,	1.605705	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003802	MYH13	heavy polypeptide 13, skeletal muscle myosin,	-2.343492	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003802	MYH13	heavy polypeptide 13, skeletal muscle myosin,	-1.142534	Inlier
siRNA Disorazole DMSO Run3	NM_003802	MYH13	heavy polypeptide 13, skeletal muscle myosin,	-0.206466	Inlier
siRNA Disorazole DMSO Run1	NM_003802	MYH13	heavy polypeptide 13, skeletal muscle myosin,	-0.121782	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003802	MYH13	heavy polypeptide 13, skeletal muscle myosin,	0.121782	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003802	MYH13	heavy polypeptide 13, skeletal muscle myosin,	0.178878	Inlier
siRNA Disorazole DMSO Run2	NM_003802	MYH13	skeletal muscle	1.780442	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_003802	MYH13	myosin, heavy polypeptide 13, skeletal muscle	1.923036	Inlier
siRNA-Temozolomide Run3-DMSO	NM_017534	MYH2	myosin, heavy polypeptide 2, skeletal muscle, adult	-1.335157	Inlier
siRNA-Temozolomide Run2-DMSO	NM_017534	MYH2	myosin, heavy polypeptide 2, skeletal muscle, adult	-0.683833	Inlier
siRNA Disorazole DMSO Run3	NM_017534	MYH2	myosin, heavy polypeptide 2, skeletal muscle, adult	-0.250287	Inlier
siRNA-Vinblastine Run2-DMSO	NM_017534	MYH2	myosin, heavy polypeptide 2, skeletal muscle, adult	-0.135999	Inlier
siRNA-Temozolomide Run1-DMSO	NM_017534	MYH2	myosin, heavy polypeptide 2, skeletal muscle, adult	0.135999	Inlier
siRNA Disorazole DMSO Run1	NM_017534	MYH2	myosin, heavy polypeptide 2, skeletal muscle, adult	0.665167	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0175 34	MYH2	myosin, heavy polypeptid e 2, skeletal muscle, adult	0.974726	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0175 34	MYH2	myosin, heavy polypeptid e 2, skeletal muscle, adult	1.780278	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0024 70	MYH3	myosin, heavy polypeptid e 3, skeletal muscle, embryonic	-1.846804	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0024 70	MYH3	myosin, heavy polypeptid e 3, skeletal muscle, embryonic	-1.085288	Inlier
siRNA Disorazole DMSO Run1	NM_0024 70	MYH3	myosin, heavy polypeptid e 3, skeletal muscle, embryonic	-0.284603	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0024 70	MYH3	myosin, heavy polypeptid e 3, skeletal muscle, embryonic	-0.040083	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0024 70	MYH3	myosin, heavy polypeptid e 3, skeletal muscle, embryonic	0.040083	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0024 70	MYH3	myosin, heavy polypeptid e 3, skeletal muscle, embryonic	0.261639	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0024 70	MYH3	myosin, heavy polypeptid e 3, skeletal muscle, embryonic	1.064397	Inlier
siRNA Disorazole DMSO Run2	NM_0024 70	MYH3	myosin, heavy polypeptid e 3, skeletal muscle, embryonic	1.20514	Inlier
siRNA Disorazole DMSO Run3	NM_0175 33	MYH4	myosin, heavy polypeptid e 4, skeletal muscle	-0.825915	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0175 33	MYH4	myosin, heavy polypeptid e 4, skeletal muscle	-0.796378	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0175 33	MYH4	myosin, heavy polypeptid e 4, skeletal muscle	-0.552622	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0175 33	MYH4	myosin, heavy polypeptid e 4, skeletal muscle	-0.369657	Inlier
siRNA Disorazole DMSO Run1	NM_0175 33	MYH4	myosin, heavy polypeptid e 4, skeletal muscle	0.369657	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0175 33	MYH4	myosin, heavy polypeptid e 4, skeletal muscle	0.526639	Inlier
siRNA Disorazole DMSO Run2	NM_0175 33	MYH4	myosin, heavy polypeptid e 4, skeletal muscle	1.397464	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0175 33	MYH4	myosin, heavy polypeptid e 6, cardiac muscle, alpha (cardiomy opathy, hypertroph ic 1)	3.153979	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0024 71	MYH6	myosin, heavy polypeptid e 6, cardiac muscle, alpha (cardiomy opathy, hypertroph ic 1)	-1.169488	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0024 71	MYH6	myosin, heavy polypeptid e 6, cardiac muscle, alpha (cardiomy opathy, hypertroph ic 1)	-0.8346	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Gene	Score	Category
siRNA-Temozolomide Run1-DMSO	NM_002471	MYH6	myosin, heavy polypeptide 6, cardiac muscle, alpha (cardiomyopathy, hypertrophic 1)	-0.714011	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002471	MYH6	myosin, heavy polypeptide 6, cardiac muscle, alpha (cardiomyopathy, hypertrophic 1)	-0.005533	Inlier
siRNA Disorazole DMSO Run3	NM_002471	MYH6	myosin, heavy polypeptide 6, cardiac muscle, alpha (cardiomyopathy, hypertrophic 1)	0.005534	Inlier
siRNA Disorazole DMSO Run2	NM_002471	MYH6	myosin, heavy polypeptide 6, cardiac muscle, alpha (cardiomyopathy, hypertrophic 1)	0.501931	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0024 71	MYH6	myosin, heavy polypeptide 6, cardiac muscle, alpha (cardiomyopathy, hypertrophic 1)	0.634989	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0024 71	MYH6	myosin, heavy polypeptide 6, cardiac muscle, alpha (cardiomyopathy, hypertrophic 1)	0.794607	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0002 57	MYH7	myosin, heavy polypeptide 7, cardiac muscle, beta	-0.937766	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0002 57	MYH7	myosin, heavy polypeptide 7, cardiac muscle, beta	-0.874437	Inlier
siRNA Disorazole DMSO Run3	NM_0002 57	MYH7	myosin, heavy polypeptide 7, cardiac muscle, beta	-0.474563	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0002 57	MYH7	myosin, heavy polypeptide 7, cardiac muscle, beta	-0.292816	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_000257	MYH7	myosin, heavy polypeptide 7, cardiac muscle, beta	0.292816	Inlier
siRNA Disorazole DMSO Run1	NM_000257	MYH7	myosin, heavy polypeptide 7, cardiac muscle, beta	0.444411	Inlier
siRNA Disorazole DMSO Run2	NM_000257	MYH7	myosin, heavy polypeptide 7, cardiac muscle, beta	2.586555	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000257	MYH7	myosin, heavy polypeptide 7, cardiac muscle, beta	2.600145	Inlier
siRNA-Temozolomide Run3-DMSO	NM_033424	MYH7B	myosin, heavy polypeptide 7B, cardiac muscle, beta	-1.566064	Inlier
siRNA-Temozolomide Run2-DMSO	NM_033424	MYH7B	myosin, heavy polypeptide 7B, cardiac muscle, beta	-1.07726	Inlier
siRNA Disorazole DMSO Run3	NM_033424	MYH7B	myosin, heavy polypeptide 7B, cardiac muscle, beta	-0.27174	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0334 24	MYH7B	myosin, heavy polypeptide 7B, cardiac muscle, beta	-0.103739	Inlier
siRNA Disorazole DMSO Run1	NM_0334 24	MYH7B	myosin, heavy polypeptide 7B, cardiac muscle, beta	0.103739	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0334 24	MYH7B	myosin, heavy polypeptide 7B, cardiac muscle, beta	0.241974	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0334 24	MYH7B	myosin, heavy polypeptide 7B, cardiac muscle, beta	1.286122	Inlier
siRNA Disorazole DMSO Run2	NM_0334 24	MYH7B	myosin, heavy polypeptide 8, skeletal muscle, perinatal	1.338104	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0024 72	MYH8	myosin, heavy polypeptide 8, skeletal muscle, perinatal	-0.855228	Inlier
siRNA Disorazole DMSO Run3	NM_0024 72	MYH8	myosin, heavy polypeptide 8, skeletal muscle, perinatal	-0.811046	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_002472	MYH8	myosin, heavy polypeptide 8, skeletal muscle, perinatal	-0.052061	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002472	MYH8	myosin, heavy polypeptide 8, skeletal muscle, perinatal	-0.015756	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002472	MYH8	myosin, heavy polypeptide 8, skeletal muscle, perinatal	0.015756	Inlier
siRNA Disorazole DMSO Run1	NM_002472	MYH8	myosin, heavy polypeptide 8, skeletal muscle, perinatal	0.640701	Inlier
siRNA Disorazole DMSO Run2	NM_002472	MYH8	myosin, heavy polypeptide 8, skeletal muscle, perinatal	0.708299	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002472	MYH8	myosin, heavy polypeptide 8, skeletal muscle, perinatal	1.358938	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002473	MYH9	myosin, heavy polypeptide 9, non-muscle	-1.063058	Inlier
siRNA Disorazole DMSO Run3	NM_002473	MYH9	myosin, heavy polypeptide 9, non-muscle	-0.590268	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_002473	MYH9	myosin, heavy polypeptide 9, non-muscle	-0.412684	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002473	MYH9	myosin, heavy polypeptide 9, non-muscle	-0.208749	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002473	MYH9	myosin, heavy polypeptide 9, non-muscle	0.208749	Inlier
siRNA Disorazole DMSO Run1	NM_002473	MYH9	myosin, heavy polypeptide 9, non-muscle	0.758732	Inlier
siRNA Disorazole DMSO Run2	NM_002473	MYH9	myosin, heavy polypeptide 9, non-muscle	2.728331	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002473	MYH9	myosin, heavy polypeptide 9, non-muscle	2.963033	Inlier
siRNA-Vinblastine Run2-DMSO	NM_079422	MYL1	myosin, light polypeptide 1, alkali; skeletal, fast	-0.79123	Inlier
siRNA-Temozolomide Run3-DMSO	NM_079422	MYL1	myosin, light polypeptide 1, alkali; skeletal, fast	-0.665676	Inlier
siRNA-Temozolomide Run2-DMSO	NM_079422	MYL1	myosin, light polypeptide 1, alkali; skeletal, fast	-0.638573	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0794 22	MYL1	myosin, light polypeptid e 1, alkali; skeletal, fast	-0.477053	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0794 22	MYL1	myosin, light polypeptid e 1, alkali; skeletal, fast	0.477054	Inlier
siRNA Disorazole DMSO Run1	NM_0794 22	MYL1	myosin, light polypeptid e 1, alkali; skeletal, fast	0.683324	Inlier
siRNA Disorazole DMSO Run2	NM_0794 22	MYL1	myosin, light polypeptid e 1, alkali; skeletal, fast	0.884827	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0794 22	MYL1	myosin, light polypeptid e 1, alkali; skeletal, fast	2.759012	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0002 58	MYL3	myosin, light polypeptid e 3, alkali; ventricular , skeletal, slow	-3.715913	Outlier
siRNA-Temozolomide Run2- DMSO	NM_0002 58	MYL3	myosin, light polypeptid e 3, alkali; ventricular , skeletal, slow	-2.026985	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0002 58	MYL3	myosin, light polypeptid e 3, alkali; ventricular , skeletal, slow	-0.421606	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0002 58	MYL3	myosin, light polypeptid e 3, alkali; ventricular , skeletal, slow	-0.110474	Inlier
siRNA Disorazole DMSO Run1	NM_0002 58	MYL3	myosin, light polypeptid e 3, alkali; ventricular , skeletal, slow	0.110474	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0002 58	MYL3	myosin, light polypeptid e 3, alkali; ventricular , skeletal, slow	0.135505	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0002 58	MYL3	myosin, light polypeptid e 3, alkali; ventricular , skeletal, slow	0.927394	Inlier
siRNA Disorazole DMSO Run2	NM_0002 58	MYL3	myosin, light polypeptid e 3, alkali; ventricular , skeletal, slow	0.966144	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0010 02841	MYL4	myosin, light polypeptid e 4, alkali; atrial, embryonic	-1.38484 Inlier
siRNA Disorazole DMSO Run1	NM_0010 02841	MYL4	myosin, light polypeptid e 4, alkali; atrial, embryonic	-0.818265 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 02841	MYL4	myosin, light polypeptid e 4, alkali; atrial, embryonic	-0.492233 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 02841	MYL4	myosin, light polypeptid e 4, alkali; atrial, embryonic	-0.067562 Inlier
siRNA Disorazole DMSO Run3	NM_0010 02841	MYL4	myosin, light polypeptid e 4, alkali; atrial, embryonic	0.067562 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 02841	MYL4	myosin, light polypeptid e 4, alkali; atrial, embryonic	0.530735 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0010 02841	MYL4	myosin, light polypeptid e 4, alkali; atrial, embryonic	1.118459	Inlier
siRNA Disorazole DMSO Run2	NM_0010 02841	MYL4	myosin, light polypeptid e 4, alkali; atrial, embryonic	1.136209	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0210 19	MYL6	myosin, light polypeptid e 6, alkali, smooth muscle and non- muscle	-0.957877	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0210 19	MYL6	myosin, light polypeptid e 6, alkali, smooth muscle and non- muscle	-0.898148	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0210 19	MYL6	myosin, light polypeptid e 6, alkali, smooth muscle and non- muscle	-0.450852	Inlier
siRNA Disorazole DMSO Run3	NM_0210 19	MYL6	myosin, light polypeptid e 6, alkali, smooth muscle and non- muscle	-0.04448	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0210 19	MYL6	myosin, light polypeptid e 6, alkali, smooth muscle and non- muscle	0.04448	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0210 19	MYL6	myosin, light polypeptid e 6, alkali, smooth muscle and non- muscle	0.302837	Inlier
siRNA Disorazole DMSO Run2	NM_0210 19	MYL6	myosin, light polypeptid e 6, alkali, smooth muscle and non- muscle	0.925998	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0210 19	MYL6	myosin, light polypeptid e 6, alkali, smooth muscle and non- muscle	1.209075	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0132 62	MYLIP	myosin regulatory light chain interacting protein	-1.775867	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0132 62	MYLIP	myosin regulatory light chain interacting protein	-0.578118	Inlier
siRNA Disorazole DMSO Run3	NM_0132 62	MYLIP	myosin regulatory light chain interacting protein	-0.560078	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0132 62	MYLIP	myosin regulatory light chain interacting protein	-0.484066	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0132 62	MYLIP	myosin regulatory light chain interacting protein	0.484066	Inlier
siRNA Disorazole DMSO Run1	NM_0132 62	MYLIP	myosin regulatory light chain interacting protein	0.770882	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0132 62	MYLIP	myosin regulatory light chain interacting protein	3.169058	Inlier
siRNA Disorazole DMSO Run2	NM_0132 62	MYLIP	myosin regulatory light chain interacting protein	3.437751	Inlier
siRNA Disorazole DMSO Run2	NM_0530 31	MYLK	myosin, light polypeptid e kinase	-1.235818	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0530 31	MYLK	myosin, light polypeptid e kinase	-1.079759	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0530 31	MYLK	myosin, light polypeptid e kinase	-0.623144	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0530 31	MYLK	myosin, light polypeptid e kinase	-0.153699	Inlier
siRNA Disorazole DMSO Run3	NM_0530 31	MYLK	myosin, light polypeptid e kinase	0.1537	Inlier
siRNA Disorazole DMSO Run1	NM_0530 31	MYLK	myosin, light polypeptid e kinase	0.158072	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0530 31	MYLK	myosin, light polypeptid e kinase	0.725856	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0530 31	MYLK	myosin, light polypeptid e kinase	1.015089	Inlier
siRNA Disorazole DMSO Run2	NM_0331 18	MYLK2	myosin light chain kinase 2, skeletal muscle	-3.57623	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0331 18	MYLK2	myosin light chain kinase 2, skeletal muscle	-2.016628	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0331 18	MYLK2	myosin light chain kinase 2, skeletal muscle	-0.566054	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0331 18	MYLK2	myosin light chain kinase 2, skeletal muscle	-0.174426	Inlier
siRNA Disorazole DMSO Run3	NM_0331 18	MYLK2	myosin light chain kinase 2, skeletal muscle	0.174425	Inlier
siRNA Disorazole DMSO Run1	NM_0331 18	MYLK2	myosin light chain kinase 2, skeletal muscle	0.644927	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0331 18	MYLK2	myosin light chain kinase 2, skeletal muscle	0.704073	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0331 18	MYLK2	myosin light chain kinase 2, skeletal muscle	1.38553	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0123 34	MYO10	myosin X	-1.082043	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0123 34	MYO10	myosin X	-0.675878	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_0123				
siRNA Disorazole DMSO Run3	34	MYO10	myosin X	-0.089681	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0123 34	MYO10	myosin X	-0.004748	Inlier
siRNA Disorazole DMSO Run1	NM_0123 34	MYO10	myosin X	0.004748	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0123 34	MYO10	myosin X	0.673122	Inlier
siRNA Disorazole DMSO Run2	NM_0123 34	MYO10	myosin X	1.409449	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0123 34	MYO10	myosin X	1.970655	Inlier
siRNA Disorazole DMSO Run1	NM_0162 39	MYO15A	XVA	-2.587078	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0162 39	MYO15A	XVA	-0.383626	Inlier
siRNA Disorazole DMSO Run3	NM_0162 39	MYO15A	XVA	-0.156036	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0162 39	MYO15A	XVA	-0.128529	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0162 39	MYO15A	XVA	0.128529	Inlier
siRNA Disorazole DMSO Run2	NM_0162 39	MYO15A	XVA	0.965374	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0162 39	MYO15A	XVA	1.102873	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0162 39	MYO15A	XVA	2.765023	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0326 08	MYO18B	XVIIIIB	-1.426164	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0326 08	MYO18B	XVIIIIB	-0.964028	Inlier
siRNA Disorazole DMSO Run3	NM_0326 08	MYO18B	XVIIIIB	-0.317671	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0326 08	MYO18B	XVIIIIB	-0.111185	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0326 08	MYO18B	XVIIIIB	0.111184	Inlier
siRNA Disorazole DMSO Run1	NM_0326 08	MYO18B	XVIIIIB	0.384972	Inlier
siRNA Disorazole DMSO Run2	NM_0326 08	MYO18B	XVIIIIB	2.03881	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0326 08	MYO18B	XVIIIIB	2.094701	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0053 79	MYO1A	myosin IA	-1.485031	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0053 79	MYO1A	myosin IA	-0.139597	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0053 79	MYO1A	myosin IA	-0.122372	Inlier
siRNA Disorazole DMSO Run3	NM_0053 79	MYO1A	myosin IA	-0.060126	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_0053				
siRNA Disorazole DMSO Run1	79	MYO1A	myosin IA	0.060126	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0053 79	MYO1A	myosin IA	1.209403	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0053 79	MYO1A	myosin IA	2.298696	Inlier
siRNA Disorazole DMSO Run2	NM_0053 79	MYO1A	myosin IA	2.343527	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0333 75	MYO1C	myosin IC	-2.033128	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0333 75	MYO1C	myosin IC	-0.964248	Inlier
siRNA Disorazole DMSO Run3	NM_0333 75	MYO1C	myosin IC	-0.384752	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0333 75	MYO1C	myosin IC	-0.011716	Inlier
siRNA Disorazole DMSO Run1	NM_0333 75	MYO1C	myosin IC	0.011715	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0333 75	MYO1C	myosin IC	0.303798	Inlier
siRNA Disorazole DMSO Run2	NM_0333 75	MYO1C	myosin IC	1.432815	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0333 75	MYO1C	myosin IC	1.474883	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0049 98	MYO1E	myosin IE	-1.400998	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0049 98	MYO1E	myosin IE	-0.646825	Inlier
siRNA Disorazole DMSO Run3	NM_0049 98	MYO1E	myosin IE	-0.630149	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0049 98	MYO1E	myosin IE	-0.288407	Inlier
siRNA Disorazole DMSO Run1	NM_0049 98	MYO1E	myosin IE	0.288407	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0049 98	MYO1E	myosin IE	0.702175	Inlier
siRNA Disorazole DMSO Run2	NM_0049 98	MYO1E	myosin IE	2.309716	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0049 98	MYO1E	myosin IE	2.34023	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0123 35	MYO1F	myosin IF	-1.468644	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0123 35	MYO1F	myosin IF	-0.795436	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0123 35	MYO1F	myosin IF	-0.344309	Inlier
siRNA Disorazole DMSO Run3	NM_0123 35	MYO1F	myosin IF	-0.221885	Inlier
siRNA Disorazole DMSO Run1	NM_0123 35	MYO1F	myosin IF	0.221885	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0123 35	MYO1F	myosin IF	0.553564	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_0123				
siRNA Disorazole DMSO Run2	35	MYO1F	myosin IF	2.241087	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0123 35	MYO1F	myosin IF	2.79598	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0174 33	MYO3A	myosin IIIA	-1.188718	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0174 33	MYO3A	myosin IIIA	-0.936147	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0174 33	MYO3A	myosin IIIA	-0.400307	Inlier
siRNA Disorazole DMSO Run1	NM_0174 33	MYO3A	myosin IIIA	-0.012493	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0174 33	MYO3A	myosin IIIA	0.012494	Inlier
siRNA Disorazole DMSO Run2	NM_0174 33	MYO3A	myosin IIIA	0.412853	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0174 33	MYO3A	myosin IIIA	0.999607	Inlier
siRNA Disorazole DMSO Run3	NM_0174 33	MYO3A	myosin IIIA	2.111774	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1389 95	MYO3B	myosin IIIB	-0.997975	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1389 95	MYO3B	myosin IIIB	-0.940088	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1389 95	MYO3B	myosin IIIB	-0.346017	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1389 95	MYO3B	myosin IIIB	-0.072318	Inlier
siRNA Disorazole DMSO Run1	NM_1389 95	MYO3B	myosin IIIB	0.072318	Inlier
siRNA Disorazole DMSO Run2	NM_1389 95	MYO3B	myosin IIIB	0.408912	Inlier
siRNA Disorazole DMSO Run3	NM_1389 95	MYO3B	myosin IIIB	0.984666	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1389 95	MYO3B	myosin IIIB	2.175338	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0002 59	MYO5A	myosin VA (heavy polypeptide 12, myoxin)	-2.524632	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0002 59	MYO5A	myosin VA (heavy polypeptide 12, myoxin)	-0.742808	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0002 59	MYO5A	myosin VA (heavy polypeptide 12, myoxin)	-0.606192	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0002 59	MYO5A	myosin VA (heavy polypeptide 12, myoxin)	-0.051786	Inlier
siRNA Disorazole DMSO Run1	NM_0002 59	MYO5A	myosin VA (heavy polypeptide 12, myoxin)	0.051785	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0002 59	MYO5A	myosin VA (heavy polypeptide 12, myoxin)	0.055058	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0002 59	MYO5A	myosin VA (heavy polypeptide 12, myoxin)	2.031694	Inlier
siRNA Disorazole DMSO Run2	NM_0002 59	MYO5A	myosin VA (heavy polypeptide 12, myoxin)	2.892818	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0187 28	MYO5C	myosin VC	-4.586735	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0187 28	MYO5C	myosin VC	-0.792988	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0187 28	MYO5C	myosin VC	-0.165179	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0187 28	MYO5C	myosin VC	-0.072547	Inlier
siRNA Disorazole DMSO Run3	NM_0187 28	MYO5C	myosin VC	0.072546	Inlier
siRNA Disorazole DMSO Run1	NM_0187 28	MYO5C	myosin VC	0.556012	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0187 28	MYO5C	myosin VC	1.982085	Inlier
siRNA Disorazole DMSO Run2	NM_0187 28	MYO5C	myosin VC	2.292981	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0049 99	MYO6	myosin VI	-3.026725	Inlier
siRNA Disorazole DMSO Run3	NM_0049 99	MYO6	myosin VI	-0.739959	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0049 99	MYO6	myosin VI	-0.609041	Inlier
siRNA Disorazole DMSO Run1	NM_0049 99	MYO6	myosin VI	-0.123125	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0049 99	MYO6	myosin VI	0.123125	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA Treatment	Run	Gene ID	Gene	Protein	Z-score	Outlier
siRNA-Temozolomide DMSO	Run1-	NM_004999	MYO6	myosin VI	0.311	Inlier
siRNA Disorazole DMSO	Run2	NM_004999	MYO6	myosin VI	1.424303	Inlier
siRNA-Vinblastine DMSO	Run1-	NM_004999	MYO6	myosin VI	1.857393	Inlier
siRNA-Temozolomide DMSO	Run3-	NM_000260	MYO7A	myosin VIIA (Usher syndrome 1B (autosomal recessive, severe))	-1.31869	Inlier
siRNA-Temozolomide DMSO	Run2-	NM_000260	MYO7A	myosin VIIA (Usher syndrome 1B (autosomal recessive, severe))	-1.168411	Inlier
siRNA-Vinblastine DMSO	Run2-	NM_000260	MYO7A	myosin VIIA (Usher syndrome 1B (autosomal recessive, severe))	-0.539018	Inlier
siRNA Disorazole DMSO	Run3	NM_000260	MYO7A	myosin VIIA (Usher syndrome 1B (autosomal recessive, severe))	-0.212357	Inlier
siRNA-Temozolomide DMSO	Run1-	NM_000260	MYO7A	myosin VIIA (Usher syndrome 1B (autosomal recessive, severe))	0.212357	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			myosin VIIA (Usher syndrome 1B (autosoma l		
siRNA Disorazole DMSO Run1	NM_0002 60	MYO7A	recessive, severe))	0.528066	Inlier
			myosin VIIA (Usher syndrome 1B (autosoma l		
siRNA Disorazole DMSO Run2	NM_0002 60	MYO7A	recessive, severe))	0.809982	Inlier
			myosin VIIA (Usher syndrome 1B (autosoma l		
siRNA-Vinblastine Run1- DMSO	NM_0002 60	MYO7A	recessive, severe))	0.860687	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0069 01	MYO9A	myosin IXA	-2.589708	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0069 01	MYO9A	myosin IXA	-0.708943	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0069 01	MYO9A	myosin IXA	-0.214566	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0069 01	MYO9A	myosin IXA	-0.131871	Inlier
siRNA Disorazole DMSO Run3	NM_0069 01	MYO9A	myosin IXA	0.131872	Inlier
siRNA Disorazole DMSO Run1	NM_0069 01	MYO9A	myosin IXA	0.640057	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0069 01	MYO9A	myosin IXA	1.049611	Inlier
siRNA Disorazole DMSO Run2	NM_0069 01	MYO9A	myosin IXA	1.689965	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0041 45	MYO9B	myosin IXB	-2.378798	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0041 45	MYO9B	myosin IXB	-1.236712	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0041 45	MYO9B	myosin IXB	-0.308912	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0041 45	MYO9B	myosin IXB	-0.296877	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_0041		myosin		
siRNA Disorazole DMSO Run1	45	MYO9B	IXB	0.296876	Inlier
	NM_0041		myosin		
siRNA Disorazole DMSO Run3	45	MYO9B	IXB	0.334081	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0041		myosin		
	45	MYO9B	IXB	1.014919	Inlier
	NM_0041		myosin		
siRNA Disorazole DMSO Run2	45	MYO9B	IXB	1.386149	Inlier
			MYST		
			histone		
	NM_0321		acetyltrans		
siRNA Disorazole DMSO Run1	88	MYST1	ferase 1	-1.207788	Inlier
			MYST		
			histone		
	NM_0321		acetyltrans		
siRNA Disorazole DMSO Run3	88	MYST1	ferase 1	-0.490997	Inlier
			MYST		
			histone		
	NM_0321		acetyltrans		
siRNA-Temozolomide Run1-DMSO	88	MYST1	ferase 1	-0.214759	Inlier
			MYST		
			histone		
	NM_0321		acetyltrans		
siRNA-Temozolomide Run3-DMSO	88	MYST1	ferase 1	-0.057331	Inlier
			MYST		
			histone		
	NM_0321		acetyltrans		
siRNA-Temozolomide Run2-DMSO	88	MYST1	ferase 1	0.057331	Inlier
			MYST		
			histone		
	NM_0321		acetyltrans		
siRNA Disorazole DMSO Run2	88	MYST1	ferase 1	0.858003	Inlier
			MYST		
			histone		
	NM_0321		acetyltrans		
siRNA-Vinblastine Run2-DMSO	88	MYST1	ferase 1	1.020325	Inlier
			MYST		
			histone		
	NM_0321		acetyltrans		
siRNA-Vinblastine Run1-DMSO	88	MYST1	ferase 1	1.894602	Inlier
			MYST		
			histone		
	NM_0070		acetyltrans		
siRNA-Temozolomide Run2-DMSO	67	MYST2	ferase 2	-1.779239	Inlier
			MYST		
			histone		
	NM_0070		acetyltrans		
siRNA Disorazole DMSO Run1	67	MYST2	ferase 2	-1.205495	Inlier
			MYST		
			histone		
	NM_0070		acetyltrans		
siRNA Disorazole DMSO Run3	67	MYST2	ferase 2	-0.055179	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0070 67	MYST2	MYST histone acetyltrans ferase 2	-0.018721	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0070 67	MYST2	MYST histone acetyltrans ferase 2	0.018721	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0070 67	MYST2	MYST histone acetyltrans ferase 2	0.143505	Inlier
siRNA Disorazole DMSO Run2	NM_0070 67	MYST2	MYST histone acetyltrans ferase 2	1.559568	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0070 67	MYST2	MYST histone acetyltrans ferase 2	3.038121	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0123 30	MYST4	MYST histone acetyltrans ferase (monocytic leukemia)	4	-1.948831 Inlier
siRNA Disorazole DMSO Run1	NM_0123 30	MYST4	MYST histone acetyltrans ferase (monocytic leukemia)	4	-0.995304 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0123 30	MYST4	MYST histone acetyltrans ferase (monocytic leukemia)	4	-0.785215 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0123 30	MYST4	MYST histone acetyltrans ferase (monocytic leukemia)	4	-0.16933 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0123 30	MYST4	MYST histone acetyltrans ferase (monocytic leukemia)	4	0.16933	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0123 30	MYST4	MYST histone acetyltrans ferase (monocytic leukemia)	4	0.470509	Inlier
siRNA Disorazole DMSO Run2	NM_0123 30	MYST4	MYST histone acetyltrans ferase (monocytic leukemia)	4	0.563785	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0123 30	MYST4	MYST histone acetyltrans ferase (monocytic leukemia)	4	0.990985	Inlier
siRNA Disorazole DMSO Run1	NM_0045 35	MYT1	myelin transcripti on factor 1		-2.696156	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0045 35	MYT1	myelin transcripti on factor 1		-0.834477	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0045 35	MYT1	myelin transcripti on factor 1		-0.514523	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0045 35	MYT1	myelin transcripti on factor 1		-0.265101	Inlier
siRNA Disorazole DMSO Run3	NM_0045 35	MYT1	myelin transcripti on factor 1		0.265102	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0045 35	MYT1	myelin transcripti on factor 1	0.332793	Inlier
siRNA Disorazole DMSO Run2	NM_0045 35	MYT1	myelin transcripti on factor 1	2.146892	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0045 35	MYT1	myelin transcripti on factor 1	2.717813	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0054 67	NAALAD2	N- acetylated alpha- linked acidic dipeptidas e 2	-1.210098	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0054 67	NAALAD2	N- acetylated alpha- linked acidic dipeptidas e 2	-0.965289	Inlier
siRNA Disorazole DMSO Run1	NM_0054 67	NAALAD2	N- acetylated alpha- linked acidic dipeptidas e 2	-0.761243	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0054 67	NAALAD2	N- acetylated alpha- linked acidic dipeptidas e 2	-0.01918	Inlier
siRNA Disorazole DMSO Run2	NM_0054 67	NAALAD2	N- acetylated alpha- linked acidic dipeptidas e 2	0.01918	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log2 Fold Change	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005467	NAALAD2	N-acetylated alpha-linked acidic dipeptidase 2	0.139841	Inlier
siRNA Disorazole DMSO Run3	NM_005467	NAALAD2	N-acetylated alpha-linked acidic dipeptidase 2	0.651082	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005467	NAALAD2	N-acetylated alpha-linked acidic dipeptidase 2	0.697918	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005468	NAALADL1	N-acetylated alpha-linked acidic dipeptidase-like 1	-1.058942	Inlier
siRNA Disorazole DMSO Run2	NM_005468	NAALADL1	N-acetylated alpha-linked acidic dipeptidase-like 1	-0.976551	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005468	NAALADL1	N-acetylated alpha-linked acidic dipeptidase-like 1	-0.608349	Inlier
siRNA Disorazole DMSO Run1	NM_005468	NAALADL1	N-acetylated alpha-linked acidic dipeptidase-like 1	-0.074089	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0054 68	NAALADL 1	N-acetylated alpha-linked acidic dipeptidas e-like 1	0.074089	Inlier
siRNA Disorazole DMSO Run3	NM_0054 68	NAALADL 1	N-acetylated alpha-linked acidic dipeptidas e-like 1	0.306369	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0054 68	NAALADL 1	N-acetylated alpha-linked acidic dipeptidas e-like 1	0.740651	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0054 68	NAALADL 1	N-acetylated alpha-linked acidic dipeptidas e-like 1	0.979341	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0181 61	NADSYN1	NADSYN1	-0.790541	Inlier
siRNA Disorazole DMSO Run1	NM_0181 61	NADSYN1	NADSYN1	-0.707712	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0181 61	NADSYN1	NADSYN1	-0.627203	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0181 61	NADSYN1	NADSYN1	-0.530126	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0181 61	NADSYN1	NADSYN1	0.530125	Inlier
siRNA Disorazole DMSO Run3	NM_0181 61	NADSYN1	NADSYN1	0.641288	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0181 61	NADSYN1	NADSYN1	0.71147	Inlier
siRNA Disorazole DMSO Run2	NM_0181 61	NADSYN1	NADSYN1	0.793228	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0002 62	NAGA	N-acetylgala ctosaminid ase, alpha-	-1.724301	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_000262	NAGA	N-acetylgalactosaminidase, alpha-	-1.277738	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000262	NAGA	N-acetylgalactosaminidase, alpha-	-0.323947	Inlier
siRNA Disorazole DMSO Run3	NM_000262	NAGA	N-acetylgalactosaminidase, alpha-	-0.254993	Inlier
siRNA Disorazole DMSO Run1	NM_000262	NAGA	N-acetylgalactosaminidase, alpha-	0.254994	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000262	NAGA	N-acetylgalactosaminidase, alpha-	0.402925	Inlier
siRNA Disorazole DMSO Run2	NM_000262	NAGA	N-acetylgalactosaminidase, alpha-	0.946075	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000262	NAGA	N-acetylgalactosaminidase, alpha-	1.735276	Inlier
siRNA-Temozolomide Run3-DMSO	NM_017567	NAGK	N-acetylglucosamine kinase	-1.360693	Inlier
siRNA Disorazole DMSO Run2	NM_017567	NAGK	N-acetylglucosamine kinase	-0.731354	Inlier
siRNA-Temozolomide Run2-DMSO	NM_017567	NAGK	N-acetylglucosamine kinase	-0.239027	Inlier
siRNA-Temozolomide Run1-DMSO	NM_017567	NAGK	N-acetylglucosamine kinase	-0.014637	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0175 67	NAGK	N-acetylglucosamine kinase	0.014637	Inlier
siRNA Disorazole DMSO Run1	NM_0175 67	NAGK	N-acetylglucosamine kinase	0.617646	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0175 67	NAGK	N-acetylglucosamine kinase	1.278022	Inlier
siRNA Disorazole DMSO Run3	NM_0175 67	NAGK	N-acetylglucosamine kinase	6.747408	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0002 63	NAGLU	N-acetylglucosaminidase, alpha- (Sanfilippo disease IIIB)	-1.162473	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0002 63	NAGLU	N-acetylglucosaminidase, alpha- (Sanfilippo disease IIIB)	-0.883525	Inlier
siRNA Disorazole DMSO Run1	NM_0002 63	NAGLU	N-acetylglucosaminidase, alpha- (Sanfilippo disease IIIB)	-0.817537	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0002 63	NAGLU	N-acetylglucosaminidase, alpha- (Sanfilippo disease IIIB)	-0.347497	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0002 63	NAGLU	N-acetylglucosaminidase, alpha- (Sanfilippo disease IIIB)	0.347497	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Enzyme Name	Log2 Fold Change	Classification
siRNA Disorazole DMSO Run3	NM_000263	NAGLU	N-acetylglucosaminidase, alpha- (Sanfilippo disease IIIB)	0.371535	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000263	NAGLU	N-acetylglucosaminidase, alpha- (Sanfilippo disease IIIB)	0.531463	Inlier
siRNA Disorazole DMSO Run2	NM_000263	NAGLU	N-acetylglucosaminidase, alpha- (Sanfilippo disease IIIB)	0.894131	Inlier
siRNA-Temozolomide Run3-DMSO	NM_153006	NAGS	N-acetylglutamate synthase	-4.060478	Outlier
siRNA-Temozolomide Run2-DMSO	NM_153006	NAGS	N-acetylglutamate synthase	-0.944963	Inlier
siRNA-Vinblastine Run2-DMSO	NM_153006	NAGS	N-acetylglutamate synthase	-0.404037	Inlier
siRNA-Temozolomide Run1-DMSO	NM_153006	NAGS	N-acetylglutamate synthase	-0.024177	Inlier
siRNA Disorazole DMSO Run1	NM_153006	NAGS	N-acetylglutamate synthase	0.024177	Inlier
siRNA Disorazole DMSO Run3	NM_153006	NAGS	N-acetylglutamate synthase	0.082597	Inlier
siRNA-Vinblastine Run1-DMSO	NM_153006	NAGS	N-acetylglutamate synthase	1.697877	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_1530 06	NAGS	N-acetylglutamate synthase	2.117801	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1450 07	NALP11	NACHT, leucine rich repeat and PYD containing 11	-0.899357	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1450 07	NALP11	NACHT, leucine rich repeat and PYD containing 11	-0.690502	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1450 07	NALP11	NACHT, leucine rich repeat and PYD containing 11	-0.658498	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1450 07	NALP11	NACHT, leucine rich repeat and PYD containing 11	-0.212472	Inlier
siRNA Disorazole DMSO Run1	NM_1450 07	NALP11	NACHT, leucine rich repeat and PYD containing 11	0.212472	Inlier
siRNA Disorazole DMSO Run3	NM_1450 07	NALP11	NACHT, leucine rich repeat and PYD containing 11	0.446003	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_145007	NALP11	NACHT, leucine rich repeat and PYD containing 11	0.757739	Inlier
siRNA Disorazole DMSO Run2	NM_145007	NALP11	NACHT, leucine rich repeat and PYD containing 11	1.043037	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004851	NAPSA	napsin A aspartic peptidase	-1.349884	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004851	NAPSA	napsin A aspartic peptidase	-0.905798	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004851	NAPSA	napsin A aspartic peptidase	-0.345128	Inlier
siRNA Disorazole DMSO Run1	NM_004851	NAPSA	napsin A aspartic peptidase	-0.2694	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004851	NAPSA	napsin A aspartic peptidase	0.2694	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004851	NAPSA	napsin A aspartic peptidase	0.443202	Inlier
siRNA Disorazole DMSO Run2	NM_004851	NAPSA	napsin A aspartic peptidase	1.384491	Inlier
siRNA Disorazole DMSO Run3	NM_004851	NAPSA	napsin A aspartic peptidase	5.236999	Outlier
siRNA Disorazole DMSO Run1	NM_004539	NARS	asparaginy l-tRNA synthetase	-1.861961	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004539	NARS	asparaginy l-tRNA synthetase	-0.869006	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004539	NARS	asparaginy l-tRNA synthetase	-0.479993	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0045 39	NARS	asparaginy l-tRNA synthetase	-0.125759	Inlier
siRNA Disorazole DMSO Run3	NM_0045 39	NARS	asparaginy l-tRNA synthetase	0.12576	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0045 39	NARS	asparaginy l-tRNA synthetase	0.239216	Inlier
siRNA Disorazole DMSO Run2	NM_0045 39	NARS	asparaginy l-tRNA synthetase	1.725064	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0045 39	NARS	asparaginy l-tRNA synthetase	2.433367	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0006 62	NAT1	N- acetyltrans ferase 1 (arylamine N- acetyltrans ferase) N- acetyltrans ferase 1 (arylamine N- acetyltrans ferase)	-0.739867	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0006 62	NAT1	N- acetyltrans ferase 1 (arylamine N- acetyltrans ferase) N- acetyltrans ferase 1 (arylamine N- acetyltrans ferase)	-0.682234	Inlier
siRNA Disorazole DMSO Run1	NM_0006 62	NAT1	N- acetyltrans ferase 1 (arylamine N- acetyltrans ferase) N- acetyltrans ferase 1 (arylamine N- acetyltrans ferase)	-0.666766	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0006 62	NAT1	N- acetyltrans ferase)	-0.297078	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Value	Category
siRNA Disorazole DMSO Run3	NM_000662	NAT1	0.297078	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000662	NAT1	0.303892	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000662	NAT1	0.877584	Inlier
siRNA Disorazole DMSO Run2	NM_000662	NAT1	1.024903	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000015	NAT2	-0.835877	Inlier
siRNA Disorazole DMSO Run3	NM_000015	NAT2	-0.513123	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000015	NAT2	-0.310222	Inlier

N-acetyltransferase 1 (arylamine N-acetyltransferase)
 N-acetyltransferase 1 (arylamine N-acetyltransferase)
 N-acetyltransferase 1 (arylamine N-acetyltransferase)
 N-acetyltransferase 1 (arylamine N-acetyltransferase)
 N-acetyltransferase 2 (arylamine N-acetyltransferase)
 N-acetyltransferase 2 (arylamine N-acetyltransferase)
 N-acetyltransferase 2 (arylamine N-acetyltransferase)

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

				N-acetyltransferase 2 (arylamine N-	
siRNA Disorazole DMSO Run1	NM_000015	NAT2		transferase)	-0.064657 Inlier
				N-acetyltransferase 2 (arylamine N-	
siRNA-Temozolomide Run1-DMSO	NM_000015	NAT2		transferase)	0.064658 Inlier
				N-acetyltransferase 2 (arylamine N-	
siRNA-Vinblastine Run2-DMSO	NM_000015	NAT2		transferase)	1.189056 Inlier
				N-acetyltransferase 2 (arylamine N-	
siRNA Disorazole DMSO Run2	NM_000015	NAT2		transferase)	5.178018 Outlier
				N-acetyltransferase 2 (arylamine N-	
siRNA-Vinblastine Run1-DMSO	NM_000015	NAT2		transferase)	6.651894 Outlier
				N-acetyltransferase 5 (ARD1 homolog, S. cerevisiae)	
siRNA-Temozolomide Run1-DMSO	NM_181528	NAT5			-0.987395 Inlier
				N-acetyltransferase 5 (ARD1 homolog, S. cerevisiae)	
siRNA-Temozolomide Run3-DMSO	NM_181528	NAT5			-0.62253 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1815 28	NAT5	N- acetyltrans ferase 5 (ARD1 homolog, S. cerevisiae)	-0.486222	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1815 28	NAT5	N- acetyltrans ferase 5 (ARD1 homolog, S. cerevisiae)	-0.317376	Inlier
siRNA Disorazole DMSO Run3	NM_1815 28	NAT5	N- acetyltrans ferase 5 (ARD1 homolog, S. cerevisiae)	0.317376	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1815 28	NAT5	N- acetyltrans ferase 5 (ARD1 homolog, S. cerevisiae)	0.72647	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1815 28	NAT5	N- acetyltrans ferase 5 (ARD1 homolog, S. cerevisiae)	1.929751	Inlier
siRNA Disorazole DMSO Run2	NM_1815 28	NAT5	N- acetyltrans ferase 5 (ARD1 homolog, S. cerevisiae)	1.985588	Inlier
siRNA Disorazole DMSO Run1	NM_0121 91	NAT6	N- acetyltrans ferase 6	-1.260989	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	Gene ID	Cell Line	Gene Name	Log Fold Change	Outlier Status
siRNA-Vinblastine Run2-DMSO	NM_0121	91	NAT6	N-acetyltransferase 6	-0.926368 Inlier
siRNA Disorazole DMSO Run3	NM_0121	91	NAT6	N-acetyltransferase 6	-0.422632 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0121	91	NAT6	N-acetyltransferase 6	-0.053359 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0121	91	NAT6	N-acetyltransferase 6	0.053359 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0121	91	NAT6	N-acetyltransferase 6	0.250605 Inlier
siRNA Disorazole DMSO Run2	NM_0121	91	NAT6	N-acetyltransferase 6	1.166671 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0121	91	NAT6	N-acetyltransferase 6	2.372061 Inlier
siRNA Disorazole DMSO Run1	NM_0039	60	NAT8	N-acetyltransferase 8 (camello like)	-1.169428 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0039	60	NAT8	N-acetyltransferase 8 (camello like)	-0.557357 Inlier
siRNA Disorazole DMSO Run3	NM_0039	60	NAT8	N-acetyltransferase 8 (camello like)	-0.552678 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0039	60	NAT8	N-acetyltransferase 8 (camello like)	-0.316364 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0039	60	NAT8	N-acetyltransferase 8 (camello like)	0.316364 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0039	60	NAT8	N-acetyltransferase 8 (camello like)	0.791643 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0039 60	NAT8	N-acetyltransferase 8 (camello like)	4.662046	Outlier
siRNA Disorazole DMSO Run2	NM_0039 60	NAT8	N-acetyltransferase 8 (camello like)	5.512426	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0162 30	NCB5OR	NADPH cytochrome B5 oxidoreductase	-1.723218	Inlier
siRNA Disorazole DMSO Run3	NM_0162 30	NCB5OR	NADPH cytochrome B5 oxidoreductase	-1.028092	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0162 30	NCB5OR	NADPH cytochrome B5 oxidoreductase	-0.307952	Inlier
siRNA Disorazole DMSO Run1	NM_0162 30	NCB5OR	NADPH cytochrome B5 oxidoreductase	-0.001219	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0162 30	NCB5OR	NADPH cytochrome B5 oxidoreductase	0.001219	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0162 30	NCB5OR	NADPH cytochrome B5 oxidoreductase	0.320908	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0162 30	NCB5OR	NADPH cytochrome B5 oxidoreductase	2.029982	Inlier
siRNA Disorazole DMSO Run2	NM_0162 30	NCB5OR	NADPH cytochrome B5 oxidoreductase	2.650317	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0806 78	NCE2	NCE2	-3.762502	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA-Temozolomide Run2- DMSO	NM_0806 78	NCE2	NCE2	-3.54553	Outlier
siRNA-Temozolomide Run1- DMSO	NM_0806 78	NCE2	NCE2	-0.62529	Inlier
siRNA Disorazole DMSO Run2	NM_0806 78	NCE2	NCE2	-0.099675	Inlier
siRNA Disorazole DMSO Run3	NM_0806 78	NCE2	NCE2	0.099675	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0806 78	NCE2	NCE2	0.53883	Inlier
siRNA Disorazole DMSO Run1	NM_0806 78	NCE2	NCE2	0.72371	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0806 78	NCE2	NCE2	2.679326	Inlier
siRNA Disorazole DMSO Run1	NM_0004 33	NCF2	neutrophil cytosolic factor 2 (65kDa, chronic granuloma tous disease, autosomal 2)	-1.018203	Inlier
siRNA Disorazole DMSO Run3	NM_0004 33	NCF2	neutrophil cytosolic factor 2 (65kDa, chronic granuloma tous disease, autosomal 2)	-0.68226	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0004 33	NCF2	neutrophil cytosolic factor 2 (65kDa, chronic granuloma tous disease, autosomal 2)	-0.627295	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_000433	NCF2	neutrophil cytosolic factor 2 (65kDa, chronic granulomatous disease, autosomal 2)	-0.211285	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000433	NCF2	neutrophil cytosolic factor 2 (65kDa, chronic granulomatous disease, autosomal 2)	0.211285	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000433	NCF2	neutrophil cytosolic factor 2 (65kDa, chronic granulomatous disease, autosomal 2)	0.66674	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000433	NCF2	neutrophil cytosolic factor 2 (65kDa, chronic granulomatous disease, autosomal 2)	1.056699	Inlier
siRNA Disorazole DMSO Run2	NM_000433	NCF2	neutrophil cytosolic factor 2 (65kDa, chronic granulomatous disease, autosomal 2)	2.980587	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Target	Value	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_0037 43	NCOA1	nuclear receptor coactivator 1	-1.052807	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0037 43	NCOA1	nuclear receptor coactivator 1	-0.690601	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0037 43	NCOA1	nuclear receptor coactivator 1	-0.610821	Inlier
siRNA Disorazole DMSO Run2	NM_0037 43	NCOA1	nuclear receptor coactivator 1	-0.054243	Inlier
siRNA Disorazole DMSO Run3	NM_0037 43	NCOA1	nuclear receptor coactivator 1	0.054244	Inlier
siRNA Disorazole DMSO Run1	NM_0037 43	NCOA1	nuclear receptor coactivator 1	0.658399	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0037 43	NCOA1	nuclear receptor coactivator 1	1.877954	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0037 43	NCOA1	nuclear receptor coactivator 1	2.252064	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0065 40	NCOA2	nuclear receptor coactivator 2	-2.147402	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0065 40	NCOA2	nuclear receptor coactivator 2	-0.678436	Inlier
siRNA Disorazole DMSO Run1	NM_0065 40	NCOA2	nuclear receptor coactivator 2	-0.670564	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0065 40	NCOA2	nuclear receptor coactivator 2	-0.383103	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0065 40	NCOA2	nuclear receptor coactivator 2	0.383103	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0065 40	NCOA2	nuclear receptor coactivator 2	0.483716	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0065 40	NCOA2	nuclear receptor coactivator 2	0.856369	Inlier
siRNA Disorazole DMSO Run3	NM_0065 40	NCOA2	nuclear receptor coactivator 2	1.109845	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0065 34	NCOA3	nuclear receptor coactivator 3	-2.350618	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0065 34	NCOA3	nuclear receptor coactivator 3	-0.803735	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0065 34	NCOA3	nuclear receptor coactivator 3	-0.770018	Inlier
siRNA Disorazole DMSO Run1	NM_0065 34	NCOA3	nuclear receptor coactivator 3	-0.047833	Inlier
siRNA Disorazole DMSO Run3	NM_0065 34	NCOA3	nuclear receptor coactivator 3	0.047833	Inlier
siRNA Disorazole DMSO Run2	NM_0065 34	NCOA3	nuclear receptor coactivator 3	0.325089	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0065 34	NCOA3	nuclear receptor coactivator 3	0.578982	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0065 34	NCOA3	nuclear receptor coactivator 3	1.016415	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0140 71	NCOA6	nuclear receptor coactivator 6	-1.547643	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0140 71	NCOA6	nuclear receptor coactivator 6	-0.850336	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0140 71	NCOA6	nuclear receptor coactivator 6	-0.498663	Inlier
siRNA Disorazole DMSO Run3	NM_0140 71	NCOA6	nuclear receptor coactivator 6	-0.15709	Inlier
siRNA Disorazole DMSO Run2	NM_0140 71	NCOA6	nuclear receptor coactivator 6	0.15709	Inlier
siRNA Disorazole DMSO Run1	NM_0140 71	NCOA6	nuclear receptor coactivator 6	0.223211	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0140 71	NCOA6	nuclear receptor coactivator 6	1.497362	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0140 71	NCOA6	nuclear receptor coactivator 6	1.763908	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0248 31	NCOA6IP	interacting protein nuclear receptor coactivator 6	-1.908995	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0248 31	NCOA6IP	interacting protein nuclear receptor coactivator 6	-0.885788	Inlier
siRNA Disorazole DMSO Run1	NM_0248 31	NCOA6IP	interacting protein nuclear receptor coactivator 6	-0.395757	Inlier
siRNA Disorazole DMSO Run3	NM_0248 31	NCOA6IP	interacting protein	-0.277168	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Score	Category
siRNA-Temozolomide Run3-DMSO	NM_024831	NCOA6IP	nuclear receptor coactivator 6 interacting protein	0.277168	Inlier
siRNA-Temozolomide Run1-DMSO	NM_024831	NCOA6IP	nuclear receptor coactivator 6 interacting protein	0.463212	Inlier
siRNA-Vinblastine Run1-DMSO	NM_024831	NCOA6IP	nuclear receptor coactivator 6 interacting protein	1.011235	Inlier
siRNA Disorazole DMSO Run2	NM_024831	NCOA6IP	nuclear receptor coactivator 6 interacting protein	1.068112	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006311	NCOR1	nuclear receptor co-repressor 1	-4.14193	Outlier
siRNA Disorazole DMSO Run1	NM_006311	NCOR1	nuclear receptor co-repressor 1	-1.901323	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006311	NCOR1	nuclear receptor co-repressor 1	-0.780238	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006311	NCOR1	nuclear receptor co-repressor 1	-0.176098	Inlier
siRNA Disorazole DMSO Run2	NM_006311	NCOR1	nuclear receptor co-repressor 1	0.176098	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0063 11	NCOR1	nuclear receptor co- repressor 1	0.409784	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0063 11	NCOR1	nuclear receptor co- repressor 1	0.568762	Inlier
siRNA Disorazole DMSO Run3	NM_0063 11	NCOR1	nuclear receptor co- repressor 1	1.716342	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0063 12	NCOR2	nuclear receptor co- repressor 2	-2.56944	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0063 12	NCOR2	nuclear receptor co- repressor 2	-0.707868	Inlier
siRNA Disorazole DMSO Run1	NM_0063 12	NCOR2	nuclear receptor co- repressor 2	-0.228826	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0063 12	NCOR2	nuclear receptor co- repressor 2	-0.160343	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0063 12	NCOR2	nuclear receptor co- repressor 2	0.160344	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0063 12	NCOR2	nuclear receptor co- repressor 2	0.641132	Inlier
siRNA Disorazole DMSO Run3	NM_0063 12	NCOR2	nuclear receptor co- repressor 2	0.718276	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0063 12	NCOR2	nuclear receptor co- repressor 2	1.034283	Inlier
siRNA Disorazole DMSO Run1	NM_0048 29	NCR1	natural cytotoxicity triggering receptor 1	-0.724373	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0048 29	NCR1	natural cytotoxicity triggering receptor 1	-0.707552	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0048 29	NCR1	natural cytotoxicity triggering receptor 1	-0.641448	Inlier
siRNA Disorazole DMSO Run3	NM_0048 29	NCR1	natural cytotoxicity triggering receptor 1	-0.184613	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0048 29	NCR1	natural cytotoxicity triggering receptor 1	0.184613	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0048 29	NCR1	natural cytotoxicity triggering receptor 1	0.318541	Inlier
siRNA Disorazole DMSO Run2	NM_0048 29	NCR1	natural cytotoxicity triggering receptor 1	1.665477	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0048 29	NCR1	natural cytotoxicity triggering receptor 1	1.712349	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0048 28	NCR2	natural cytotoxicity triggering receptor 2	-1.088934	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0048 28	NCR2	natural cytotoxicity triggering receptor 2	-0.771722	Inlier
siRNA Disorazole DMSO Run3	NM_0048 28	NCR2	natural cytotoxicity triggering receptor 2	-0.096997	Inlier
siRNA Disorazole DMSO Run1	NM_0048 28	NCR2	natural cytotoxicity triggering receptor 2	-0.062886	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0048 28	NCR2	natural cytotoxicity triggering receptor 2	0.062886	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0048 28	NCR2	natural cytotoxicity triggering receptor 2	0.577278	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0048 28	NCR2	natural cytotoxicity triggering receptor 2	1.252087	Inlier
siRNA Disorazole DMSO Run2	NM_0048 28	NCR2	natural cytotoxicity triggering receptor 2	1.400929	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0144 34	NDOR1	NADPH dependent diflavin oxidoredu ctase 1	-0.841581	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0144 34	NDOR1	NADPH dependent diflavin oxidoredu ctase 1	-0.507419	Inlier
siRNA Disorazole DMSO Run3	NM_0144 34	NDOR1	NADPH dependent diflavin oxidoredu ctase 1	-0.406656	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Gene	Value	Category
siRNA Disorazole DMSO Run1	NM_0144	34	NDOR1	-0.25024	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0144	34	NDOR1	0.25024	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0144	34	NDOR1	2.19109	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0144	34	NDOR1	4.49251	Outlier
siRNA Disorazole DMSO Run2	NM_0144	34	NDOR1	4.652663	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0015	43	NDST1	-1.514935	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0015	43	NDST1	-0.952567	Inlier
siRNA Disorazole DMSO Run1	NM_0015	43	NDST1	-0.469394	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Gene ID	Gene Name	Log2FC	Category
siRNA-Vinblastine Run1-DMSO	NM_001543	NDST1	1	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 1	-0.123706	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001543	NDST1	1	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 1	0.123706	Inlier
siRNA Disorazole DMSO Run2	NM_001543	NDST1	1	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 1	0.641645	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001543	NDST1	1	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 1	0.707354	Inlier
siRNA Disorazole DMSO Run3	NM_001543	NDST1	1	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 1	1.803644	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003635	NDST2	2	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 2	-1.115684	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Condition	Run	Gene	Log2 Fold Change	Category
siRNA Disorazole	DMSO	Run2	NDST2	-0.76775	Inlier
siRNA-Temozolomide	DMSO	Run2	NDST2	-0.745959	Inlier
siRNA-Temozolomide	DMSO	Run1	NDST2	-0.037617	Inlier
siRNA Disorazole	DMSO	Run1	NDST2	0.037617	Inlier
siRNA-Vinblastine	DMSO	Run1	NDST2	0.317982	Inlier
siRNA Disorazole	DMSO	Run3	NDST2	0.603041	Inlier

N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 2

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Enzyme Name	Log Fold Change	Outlier Status
siRNA-Vinblastine Run2-DMSO	NM_003635	NDST2	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 2	1.062953	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004784	NDST3	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 3	-1.680145	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004784	NDST3	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 3	-0.479547	Inlier
siRNA Disorazole DMSO Run1	NM_004784	NDST3	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 3	-0.141502	Inlier
siRNA Disorazole DMSO Run2	NM_004784	NDST3	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 3	-0.055857	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004784	NDST3	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 3	0.055857	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Enzyme Name	Value	Category
siRNA-Vinblastine Run1-DMSO	NM_004784	NDST3	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 3	0.869453	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004784	NDST3	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 3	2.802671	Inlier
siRNA Disorazole DMSO Run3	NM_004784	NDST3	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 3	7.050049	Outlier
siRNA Disorazole DMSO Run1	NM_022569	NDST4	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 4	-1.285712	Inlier
siRNA Disorazole DMSO Run2	NM_022569	NDST4	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 4	-0.726018	Inlier
siRNA-Temozolomide Run2-DMSO	NM_022569	NDST4	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 4	-0.194617	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_022569	NDST4	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 4	-0.189327	Inlier
siRNA-Temozolomide Run1-DMSO	NM_022569	NDST4	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 4	0.189326	Inlier
siRNA-Temozolomide Run3-DMSO	NM_022569	NDST4	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 4	0.622982	Inlier
siRNA-Vinblastine Run2-DMSO	NM_022569	NDST4	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 4	1.58129	Inlier
siRNA Disorazole DMSO Run3	NM_022569	NDST4	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 1, 7.5kDa	7.187591	Outlier
siRNA-Temozolomide Run3-DMSO	NM_004541	NDUFA1	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 1, 7.5kDa	-1.195869	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Protein	Weight	Log2FC	Category
siRNA Disorazole DMSO Run1	NDUFA1	NM_004541	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 1, 7.5kDa	7.5kDa	-0.937346	Inlier
siRNA-Temozolomide Run2-DMSO	NDUFA1	NM_004541	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 1, 7.5kDa	7.5kDa	-0.795453	Inlier
siRNA Disorazole DMSO Run3	NDUFA1	NM_004541	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 1, 7.5kDa	7.5kDa	-0.032963	Inlier
siRNA-Temozolomide Run1-DMSO	NDUFA1	NM_004541	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 1, 7.5kDa	7.5kDa	0.032963	Inlier
siRNA-Vinblastine Run2-DMSO	NDUFA1	NM_004541	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 1, 7.5kDa	7.5kDa	0.484262	Inlier
siRNA-Vinblastine Run1-DMSO	NDUFA1	NM_004541	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 1, 7.5kDa	7.5kDa	0.553547	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Condition	Run	Gene	Protein	Log2FC	Inlier
siRNA Disorazole	DMSO	Run2	NDUFA1	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 1, 7.5kDa	2.505427	Inlier
siRNA-Temozolomide	DMSO	Run2	NDUFA10	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 10, 42kDa	-1.762346	Inlier
siRNA-Temozolomide	DMSO	Run3	NDUFA10	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 10, 42kDa	-0.859649	Inlier
siRNA Disorazole	DMSO	Run3	NDUFA10	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 10, 42kDa	-0.740537	Inlier
siRNA Disorazole	DMSO	Run1	NDUFA10	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 10, 42kDa	-0.078868	Inlier
siRNA Disorazole	DMSO	Run2	NDUFA10	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 10, 42kDa	0.078868	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Protein Weight	Score	Outlier Type
siRNA-Vinblastine Run2-DMSO	NM_004544	NDUFA10	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 10, 42kDa	42kDa	0.411927	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004544	NDUFA10	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 10, 42kDa	42kDa	0.608463	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004544	NDUFA10	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 10, 42kDa	42kDa	0.843474	Inlier
siRNA Disorazole DMSO Run1	NM_175614	NDUFA11	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 11, 14.7kDa	14.7kDa	-1.517395	Inlier
siRNA-Temozolomide Run3-DMSO	NM_175614	NDUFA11	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 11, 14.7kDa	14.7kDa	-0.954056	Inlier
siRNA-Temozolomide Run2-DMSO	NM_175614	NDUFA11	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 11, 14.7kDa	14.7kDa	-0.203683	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Protein	Weight	Log2FC	Category
siRNA-Temozolomide Run1-DMSO	NM_1756	14	NDUFA11	14.7kDa	-0.018216	Inlier
			NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 11,			
siRNA Disorazole DMSO Run3	NM_1756	14	NDUFA11	14.7kDa	0.018215	Inlier
			NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 11,			
siRNA-Vinblastine Run2-DMSO	NM_1756	14	NDUFA11	14.7kDa	0.394944	Inlier
			NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 11,			
siRNA-Vinblastine Run1-DMSO	NM_1756	14	NDUFA11	14.7kDa	1.150106	Inlier
			NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 11,			
siRNA Disorazole DMSO Run2	NM_1756	14	NDUFA11	14.7kDa	3.520834	Outlier
			NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 11,			
siRNA Disorazole DMSO Run1	NM_0024	88	NDUFA2	8kDa	-2.639919	Inlier
			NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 2,			

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_002488	NDUFA2	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 2, 8kDa	-2.343358	Inlier
siRNA Disorazole DMSO Run3	NM_002488	NDUFA2	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 2, 8kDa	-2.328814	Inlier
siRNA Disorazole DMSO Run2	NM_002488	NDUFA2	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 2, 8kDa	-0.004817	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002488	NDUFA2	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 2, 8kDa	0.004818	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002488	NDUFA2	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 2, 8kDa	0.358535	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002488	NDUFA2	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 2, 8kDa	0.537581	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_002488	NDUFA2	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 2, 8kDa	0.811419	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004542	NDUFA3	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 3, 9kDa	-2.290761	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004542	NDUFA3	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 3, 9kDa	-1.789839	Inlier
siRNA Disorazole DMSO Run3	NM_004542	NDUFA3	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 3, 9kDa	-0.319575	Inlier
siRNA Disorazole DMSO Run1	NM_004542	NDUFA3	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 3, 9kDa	-0.165675	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004542	NDUFA3	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 3, 9kDa	0.165675	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0045 42	NDUFA3	NADH dehydroge nase (ubiquinon e) 1 alpha subcomple x, 3, 9kDa	0.230459	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0045 42	NDUFA3	NADH dehydroge nase (ubiquinon e) 1 alpha subcomple x, 3, 9kDa	1.029425	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0045 42	NDUFA3	NADH dehydroge nase (ubiquinon e) 1 alpha subcomple x, 3, 9kDa	1.572481	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0024 89	NDUFA4	NADH dehydroge nase (ubiquinon e) 1 alpha subcomple x, 4, 9kDa	-0.798322	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0024 89	NDUFA4	NADH dehydroge nase (ubiquinon e) 1 alpha subcomple x, 4, 9kDa	-0.738429	Inlier
siRNA Disorazole DMSO Run3	NM_0024 89	NDUFA4	NADH dehydroge nase (ubiquinon e) 1 alpha subcomple x, 4, 9kDa	-0.610571	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_002489	NDUFA4	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 4, 9kDa	-0.063797	Inlier
siRNA Disorazole DMSO Run1	NM_002489	NDUFA4	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 4, 9kDa	0.063797	Inlier
siRNA Disorazole DMSO Run2	NM_002489	NDUFA4	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 4, 9kDa	0.170286	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002489	NDUFA4	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 4, 9kDa	0.960526	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002489	NDUFA4	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 4, 9kDa	1.134701	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005000	NDUFA5	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 5, 13kDa	-2.055561	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein MW	Log2 Fold Change	Category
siRNA-Temozolomide Run3-DMSO	NM_005000	NDUFA5	13kDa	-1.197863	Inlier
siRNA Disorazole DMSO Run2	NM_005000	NDUFA5	13kDa	-0.522335	Inlier
siRNA Disorazole DMSO Run1	NM_005000	NDUFA5	13kDa	-0.495194	Inlier
siRNA Disorazole DMSO Run3	NM_005000	NDUFA5	13kDa	0.495193	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005000	NDUFA5	13kDa	0.502769	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005000	NDUFA5	13kDa	0.826665	Inlier

NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 5, 13kDa

NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 5, 13kDa

NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 5, 13kDa

NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 5, 13kDa

NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 5, 13kDa

NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 5, 13kDa

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein MW	Log2 FC	Category
siRNA-Vinblastine Run1-DMSO	NM_005000	NDUFA5	13kDa	2.186518	Inlier
siRNA Disorazole DMSO Run3	NM_002490	NDUFA6	14kDa	-1.697013	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002490	NDUFA6	14kDa	-0.993361	Inlier
siRNA Disorazole DMSO Run1	NM_002490	NDUFA6	14kDa	-0.04859	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002490	NDUFA6	14kDa	-0.031114	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002490	NDUFA6	14kDa	0.031114	Inlier

NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 5, 13kDa
 NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 6, 14kDa
 NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 6, 14kDa
 NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 6, 14kDa
 NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 6, 14kDa

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Protein Weight	Score	Category
siRNA-Temozolomide Run1-DMSO	NM_002490	NDUFA6	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 6, 14kDa	14kDa	0.547409	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002490	NDUFA6	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 6, 14kDa	14kDa	0.801591	Inlier
siRNA Disorazole DMSO Run2	NM_002490	NDUFA6	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 6, 14kDa	14kDa	0.841	Inlier
siRNA Disorazole DMSO Run2	NM_005001	NDUFA7	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 7, 14.5kDa	14.5kDa	-2.210611	Inlier
siRNA Disorazole DMSO Run3	NM_005001	NDUFA7	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 7, 14.5kDa	14.5kDa	-0.810022	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005001	NDUFA7	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 7, 14.5kDa	14.5kDa	-0.418057	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	MW	Log2FC	Category
siRNA-Temozolomide Run2-DMSO	NM_005001	NDUFA7	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 7, 14.5kDa	14.5kDa	-0.373965	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005001	NDUFA7	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 7, 14.5kDa	14.5kDa	0.373965	Inlier
siRNA Disorazole DMSO Run1	NM_005001	NDUFA7	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 7, 14.5kDa	14.5kDa	0.538978	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005001	NDUFA7	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 7, 14.5kDa	14.5kDa	1.067808	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005001	NDUFA7	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 7, 14.5kDa	14.5kDa	1.195331	Inlier
siRNA-Vinblastine Run1-DMSO	NM_014222	NDUFA8	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 8, 19kDa	19kDa	-1.633368	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Protein	Weight	Score	Category
siRNA Disorazole DMSO Run1	NDUFA8	NM_014222	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 8, 19kDa	19kDa	-1.07453	Inlier
siRNA Disorazole DMSO Run2	NDUFA8	NM_014222	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 8, 19kDa	19kDa	-0.725653	Inlier
siRNA-Temozolomide Run3-DMSO	NDUFA8	NM_014222	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 8, 19kDa	19kDa	-0.180169	Inlier
siRNA-Temozolomide Run2-DMSO	NDUFA8	NM_014222	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 8, 19kDa	19kDa	0.180169	Inlier
siRNA Disorazole DMSO Run3	NDUFA8	NM_014222	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 8, 19kDa	19kDa	0.439794	Inlier
siRNA-Temozolomide Run1-DMSO	NDUFA8	NM_014222	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 8, 19kDa	19kDa	0.623347	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	MW (kDa)	Log2FC	Category
siRNA-Vinblastine Run2-DMSO	NM_014222	NDUFA8	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 8, 19kDa	19	1.718227	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005002	NDUFA9	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 9, 39kDa	39	-0.952761	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005002	NDUFA9	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 9, 39kDa	39	-0.779986	Inlier
siRNA Disorazole DMSO Run1	NM_005002	NDUFA9	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 9, 39kDa	39	-0.569014	Inlier
siRNA Disorazole DMSO Run3	NM_005002	NDUFA9	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 9, 39kDa	39	-0.238975	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005002	NDUFA9	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 9, 39kDa	39	0.238975	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_005002	NDUFA9	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 9, 39kDa	0.305953	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005002	NDUFA9	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 9, 39kDa	0.986163	Inlier
siRNA Disorazole DMSO Run2	NM_005002	NDUFA9	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 9, 39kDa	1.286488	Inlier
siRNA Disorazole DMSO Run1	NM_005003	NDUFAB1	NADH dehydrogenase (ubiquinone) 1, alpha/beta subcomplex, 1, 8kDa	-1.490076	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005003	NDUFAB1	NADH dehydrogenase (ubiquinone) 1, alpha/beta subcomplex, 1, 8kDa	-1.022626	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_005003	NDUFAB1	NADH dehydrogenase (ubiquinone) 1, alpha/beta subcomplex, 1, 8kDa	-0.326374	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005003	NDUFAB1	NADH dehydrogenase (ubiquinone) 1, alpha/beta subcomplex, 1, 8kDa	-0.04076	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005003	NDUFAB1	NADH dehydrogenase (ubiquinone) 1, alpha/beta subcomplex, 1, 8kDa	0.04076	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005003	NDUFAB1	NADH dehydrogenase (ubiquinone) 1, alpha/beta subcomplex, 1, 8kDa	0.213041	Inlier
siRNA Disorazole DMSO Run3	NM_005003	NDUFAB1	NADH dehydrogenase (ubiquinone) 1, alpha/beta subcomplex, 1, 8kDa	1.09677	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0050 03	NDUFAB1	NADH dehydrogenase (ubiquinone) 1, alpha/beta subcomplex, 1, 8kDa	2.066328	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0045 45	NDUFB1	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 1, 7kDa	-1.005503	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0045 45	NDUFB1	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 1, 7kDa	-0.88952	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0045 45	NDUFB1	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 1, 7kDa	-0.873585	Inlier
siRNA Disorazole DMSO Run3	NM_0045 45	NDUFB1	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 1, 7kDa	-0.152817	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0045 45	NDUFB1	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 1, 7kDa	0.152817	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0045 45	NDUFB1	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 1, 7kDa	0.153952	Inlier
siRNA Disorazole DMSO Run2	NM_0045 45	NDUFB1	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 1, 7kDa	0.475414	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0045 45	NDUFB1	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 1, 7kDa	1.170734	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0045 48	NDUFB10	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 10, 22kDa	-1.024737	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0045 48	NDUFB10	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 10, 22kDa	-0.832752	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0045 48	NDUFB10	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 10, 22kDa	-0.571766	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Protein	Weight	Log2FC	Category
siRNA Disorazole DMSO Run1	NDUFB10	NM_004548	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 10, 22kDa	22kDa	-0.166757	Inlier
siRNA Disorazole DMSO Run3	NDUFB10	NM_004548	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 10, 22kDa	22kDa	0.166757	Inlier
siRNA-Vinblastine Run1-DMSO	NDUFB10	NM_004548	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 10, 22kDa	22kDa	0.484653	Inlier
siRNA Disorazole DMSO Run2	NDUFB10	NM_004548	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 10, 22kDa	22kDa	0.777234	Inlier
siRNA-Vinblastine Run2-DMSO	NDUFB10	NM_004548	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 10, 22kDa	22kDa	1.287133	Inlier
siRNA-Temozolomide Run1-DMSO	NDUFB2	NM_004546	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 2, 8kDa	8kDa	-0.829264	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_004546	NDUFB2	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 2, 8kDa	-0.66514	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004546	NDUFB2	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 2, 8kDa	-0.613913	Inlier
siRNA Disorazole DMSO Run2	NM_004546	NDUFB2	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 2, 8kDa	-0.448505	Inlier
siRNA Disorazole DMSO Run1	NM_004546	NDUFB2	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 2, 8kDa	0.448505	Inlier
siRNA Disorazole DMSO Run3	NM_004546	NDUFB2	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 2, 8kDa	0.68386	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004546	NDUFB2	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 2, 8kDa	1.263198	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_004546	NDUFB2	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 2, 8kDa	2.093406	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002491	NDUFB3	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 3, 12kDa	-1.210397	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002491	NDUFB3	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 3, 12kDa	-0.928331	Inlier
siRNA Disorazole DMSO Run3	NM_002491	NDUFB3	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 3, 12kDa	-0.422274	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002491	NDUFB3	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 3, 12kDa	-0.393837	Inlier
siRNA Disorazole DMSO Run2	NM_002491	NDUFB3	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 3, 12kDa	0.393837	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Protein MW	Log2 Fold Change	Outlier Status
siRNA Disorazole DMSO Run1	NM_002491	NDUFB3	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 3, 12kDa	12kDa	0.445459	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002491	NDUFB3	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 3, 12kDa	12kDa	0.903541	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002491	NDUFB3	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 3, 12kDa	12kDa	2.178828	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004547	NDUFB4	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 4, 15kDa	15kDa	-1.300914	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004547	NDUFB4	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 4, 15kDa	15kDa	-0.8479	Inlier
siRNA Disorazole DMSO Run2	NM_004547	NDUFB4	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 4, 15kDa	15kDa	-0.5011	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Protein MW	Log2 Fold Change	Category
siRNA Disorazole DMSO Run1	NM_004547	NDUFB4	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 4, 15kDa	15kDa	-0.042219	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004547	NDUFB4	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 4, 15kDa	15kDa	0.042219	Inlier
siRNA Disorazole DMSO Run3	NM_004547	NDUFB4	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 4, 15kDa	15kDa	0.2358	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004547	NDUFB4	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 4, 15kDa	15kDa	0.92317	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004547	NDUFB4	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 4, 15kDa	15kDa	1.129989	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002492	NDUFB5	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 5, 16kDa	16kDa	-0.91976	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	MW (kDa)	Log2 Fold Change	Category
siRNA-Temozolomide Run3-DMSO	NM_002492	NDUFB5	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 5, 16kDa	16	-0.810338	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002492	NDUFB5	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 5, 16kDa	16	-0.659306	Inlier
siRNA Disorazole DMSO Run2	NM_002492	NDUFB5	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 5, 16kDa	16	-0.091398	Inlier
siRNA Disorazole DMSO Run3	NM_002492	NDUFB5	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 5, 16kDa	16	0.091398	Inlier
siRNA Disorazole DMSO Run1	NM_002492	NDUFB5	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 5, 16kDa	16	0.279701	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002492	NDUFB5	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 5, 16kDa	16	0.689694	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Protein MW	Log2 Fold Change	Outlier Status
siRNA-Vinblastine Run2-DMSO	NM_002492	NDUFB5	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 5, 16kDa	16kDa	1.741967	Inlier
siRNA-Temozolomide Run1-DMSO	NM_182739	NDUFB6	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 6, 17kDa	17kDa	-0.852724	Inlier
siRNA Disorazole DMSO Run1	NM_182739	NDUFB6	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 6, 17kDa	17kDa	-0.759218	Inlier
siRNA Disorazole DMSO Run2	NM_182739	NDUFB6	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 6, 17kDa	17kDa	-0.480352	Inlier
siRNA-Temozolomide Run3-DMSO	NM_182739	NDUFB6	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 6, 17kDa	17kDa	-0.058606	Inlier
siRNA-Temozolomide Run2-DMSO	NM_182739	NDUFB6	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 6, 17kDa	17kDa	0.058605	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Protein	MW	Score	Category
siRNA-Vinblastine Run1-DMSO	NM_182739	NDUFB6	17kDa	0.589782	Inlier
siRNA Disorazole DMSO Run3	NM_182739	NDUFB6	17kDa	0.773289	Inlier
siRNA-Vinblastine Run2-DMSO	NM_182739	NDUFB6	17kDa	1.25138	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004146	NDUFB7	18kDa	-1.207088	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004146	NDUFB7	18kDa	-0.930858	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004146	NDUFB7	18kDa	-0.418142	Inlier

NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 6, 17kDa

NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 6, 17kDa

NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 6, 17kDa

NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 7, 18kDa

NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 7, 18kDa

NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 7, 18kDa

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0041 46	NDUFB7	NADH dehydroge nase (ubiquinon e) 1 beta subcomple x, 7, 18kDa	-0.000149	Inlier
siRNA Disorazole DMSO Run2	NM_0041 46	NDUFB7	NADH dehydroge nase (ubiquinon e) 1 beta subcomple x, 7, 18kDa	0.00015	Inlier
siRNA Disorazole DMSO Run1	NM_0041 46	NDUFB7	NADH dehydroge nase (ubiquinon e) 1 beta subcomple x, 7, 18kDa	0.141937	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0041 46	NDUFB7	NADH dehydroge nase (ubiquinon e) 1 beta subcomple x, 7, 18kDa	1.154899	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0041 46	NDUFB7	NADH dehydroge nase (ubiquinon e) 1 beta subcomple x, 7, 18kDa	1.958969	Inlier
siRNA Disorazole DMSO Run2	NM_0050 04	NDUFB8	NADH dehydroge nase (ubiquinon e) 1 beta subcomple x, 8, 19kDa	-1.434133	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Protein	Weight	Log2FC	Category
siRNA Disorazole DMSO Run3	NDUFB8	NM_005004	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 8, 19kDa	19kDa	-0.596773	Inlier
siRNA-Temozolomide Run2-DMSO	NDUFB8	NM_005004	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 8, 19kDa	19kDa	-0.352474	Inlier
siRNA-Temozolomide Run3-DMSO	NDUFB8	NM_005004	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 8, 19kDa	19kDa	-0.096269	Inlier
siRNA Disorazole DMSO Run1	NDUFB8	NM_005004	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 8, 19kDa	19kDa	0.096269	Inlier
siRNA-Temozolomide Run1-DMSO	NDUFB8	NM_005004	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 8, 19kDa	19kDa	0.752227	Inlier
siRNA-Vinblastine Run1-DMSO	NDUFB8	NM_005004	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 8, 19kDa	19kDa	2.015416	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Protein Weight	Log Fold Change	Classification
siRNA-Vinblastine Run2-DMSO	NM_005004	NDUFB8	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 8, 19kDa	19kDa	3.592563	Outlier
siRNA-Temozolomide Run1-DMSO	NM_005005	NDUFB9	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 9, 22kDa	22kDa	-1.758817	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005005	NDUFB9	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 9, 22kDa	22kDa	-1.076069	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005005	NDUFB9	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 9, 22kDa	22kDa	-0.512113	Inlier
siRNA Disorazole DMSO Run1	NM_005005	NDUFB9	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 9, 22kDa	22kDa	-0.050192	Inlier
siRNA Disorazole DMSO Run2	NM_005005	NDUFB9	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 9, 22kDa	22kDa	0.050193	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Score	Category
siRNA-Vinblastine Run1-DMSO	NM_005005	NDUFB9	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 9, 22kDa	0.214975	Inlier
siRNA Disorazole DMSO Run3	NM_005005	NDUFB9	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 9, 22kDa	0.836887	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005005	NDUFB9	NADH dehydrogenase (ubiquinone) 1, subcomplex x, 9, 22kDa	1.352732	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002494	NDUFC1	unknown, 1, 6kDa	-1.112139	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002494	NDUFC1	unknown, 1, 6kDa	-0.704429	Inlier
siRNA Disorazole DMSO Run3	NM_002494	NDUFC1	unknown, 1, 6kDa	-0.644571	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log2 Fold Change	Outlier Status
siRNA Disorazole DMSO Run1	NM_002494	NDUFC1	NADH dehydrogenase (ubiquinone) 1, subcomplex X unknown, 1, 6kDa	-0.034061	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002494	NDUFC1	NADH dehydrogenase (ubiquinone) 1, subcomplex X unknown, 1, 6kDa	0.034061	Inlier
siRNA Disorazole DMSO Run2	NM_002494	NDUFC1	NADH dehydrogenase (ubiquinone) 1, subcomplex X unknown, 1, 6kDa	0.45813	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002494	NDUFC1	NADH dehydrogenase (ubiquinone) 1, subcomplex X unknown, 1, 6kDa	1.022666	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002494	NDUFC1	NADH dehydrogenase (ubiquinone) 1, subcomplex X unknown, 1, 6kDa	1.35137	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0045 49	NDUFC2	NADH dehydrogenase (ubiquinone) 1, subcomplex 2, 14.5kDa	-2.123912	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0045 49	NDUFC2	NADH dehydrogenase (ubiquinone) 1, subcomplex 2, 14.5kDa	-1.380969	Inlier
siRNA Disorazole DMSO Run1	NM_0045 49	NDUFC2	NADH dehydrogenase (ubiquinone) 1, subcomplex 2, 14.5kDa	-0.713533	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0045 49	NDUFC2	NADH dehydrogenase (ubiquinone) 1, subcomplex 2, 14.5kDa	-0.340338	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0045 49	NDUFC2	NADH dehydrogenase (ubiquinone) 1, subcomplex 2, 14.5kDa	0.340339	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0045 49	NDUFC2	NADH dehydrogenase (ubiquinone) 1, subcomplex 2, 14.5kDa	0.474341	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0045 49	NDUFC2	NADH dehydrogenase (ubiquinone) 1, subcomplex 2, 14.5kDa	0.635467	Inlier
siRNA Disorazole DMSO Run2	NM_0045 49	NDUFC2	NADH dehydrogenase (ubiquinone) 1, subcomplex 2, 14.5kDa	1.043011	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0050 06	NDUFS1	NADH dehydrogenase (ubiquinone) Fe-S protein 1, 75kDa (NADH-coenzyme Q reductase)	-0.760517	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_005006	NDUFS1	NADH dehydrogenase (ubiquinone) Fe-S protein 1, 75kDa (NADH-coenzyme Q reductase)	-0.640547	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005006	NDUFS1	NADH dehydrogenase (ubiquinone) Fe-S protein 1, 75kDa (NADH-coenzyme Q reductase)	-0.431669	Inlier
siRNA Disorazole DMSO Run3	NM_005006	NDUFS1	NADH dehydrogenase (ubiquinone) Fe-S protein 1, 75kDa (NADH-coenzyme Q reductase)	-0.176739	Inlier
siRNA Disorazole DMSO Run1	NM_005006	NDUFS1	NADH dehydrogenase (ubiquinone) Fe-S protein 1, 75kDa (NADH-coenzyme Q reductase)	0.176739	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_005006	NDUFS1	NADH dehydrogenase (ubiquinone) Fe-S protein 1, 75kDa (NADH-coenzyme Q reductase)	0.708453	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005006	NDUFS1	NADH dehydrogenase (ubiquinone) Fe-S protein 1, 75kDa (NADH-coenzyme Q reductase)	1.063793	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005006	NDUFS1	NADH dehydrogenase (ubiquinone) Fe-S protein 1, 75kDa (NADH-coenzyme Q reductase)	1.59085	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004550	NDUFS2	NADH dehydrogenase (ubiquinone) Fe-S protein 2, 49kDa (NADH-coenzyme Q reductase)	-2.150937	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0045 50	NDUFS2	NADH dehydrogenase (ubiquinone) Fe-S protein 2, 49kDa (NADH-coenzyme Q reductase)	-1.143883	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0045 50	NDUFS2	NADH dehydrogenase (ubiquinone) Fe-S protein 2, 49kDa (NADH-coenzyme Q reductase)	-0.96374	Inlier
siRNA Disorazole DMSO Run1	NM_0045 50	NDUFS2	NADH dehydrogenase (ubiquinone) Fe-S protein 2, 49kDa (NADH-coenzyme Q reductase)	-0.167501	Inlier
siRNA Disorazole DMSO Run2	NM_0045 50	NDUFS2	NADH dehydrogenase (ubiquinone) Fe-S protein 2, 49kDa (NADH-coenzyme Q reductase)	0.167501	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0045 50	NDUFS2	NADH dehydrogenase (ubiquinone) Fe-S protein 2, 49kDa (NADH-coenzyme Q reductase)	0.169002	Inlier
siRNA Disorazole DMSO Run3	NM_0045 50	NDUFS2	NADH dehydrogenase (ubiquinone) Fe-S protein 2, 49kDa (NADH-coenzyme Q reductase)	0.38526	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0045 50	NDUFS2	NADH dehydrogenase (ubiquinone) Fe-S protein 2, 49kDa (NADH-coenzyme Q reductase)	1.506786	Inlier
siRNA Disorazole DMSO Run3	NM_0045 51	NDUFS3	NADH dehydrogenase (ubiquinone) Fe-S protein 3, 30kDa (NADH-coenzyme Q reductase)	-1.406314	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0045 51	NDUFS3	NADH dehydrogenase (ubiquinone) Fe-S protein 3, 30kDa (NADH-coenzyme Q reductase)	-0.690968	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0045 51	NDUFS3	NADH dehydrogenase (ubiquinone) Fe-S protein 3, 30kDa (NADH-coenzyme Q reductase)	-0.360282	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0045 51	NDUFS3	NADH dehydrogenase (ubiquinone) Fe-S protein 3, 30kDa (NADH-coenzyme Q reductase)	-0.237409	Inlier
siRNA Disorazole DMSO Run1	NM_0045 51	NDUFS3	NADH dehydrogenase (ubiquinone) Fe-S protein 3, 30kDa (NADH-coenzyme Q reductase)	0.237409	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_004551	NDUFS3	NADH dehydrogenase (ubiquinone) Fe-S protein 3, 30kDa (NADH-coenzyme Q reductase)	0.658032	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004551	NDUFS3	NADH dehydrogenase (ubiquinone) Fe-S protein 3, 30kDa (NADH-coenzyme Q reductase)	0.964813	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004551	NDUFS3	NADH dehydrogenase (ubiquinone) Fe-S protein 3, 30kDa (NADH-coenzyme Q reductase)	1.367448	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002495	NDUFS4	NADH dehydrogenase (ubiquinone) Fe-S protein 4, 18kDa (NADH-coenzyme Q reductase)	-1.071993	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_002495	NDUFS4	NADH dehydrogenase (ubiquinone) Fe-S protein 4, 18kDa (NADH-coenzyme Q reductase)	-1.059372	Inlier
siRNA Disorazole DMSO Run1	NM_002495	NDUFS4	NADH dehydrogenase (ubiquinone) Fe-S protein 4, 18kDa (NADH-coenzyme Q reductase)	-0.250739	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002495	NDUFS4	NADH dehydrogenase (ubiquinone) Fe-S protein 4, 18kDa (NADH-coenzyme Q reductase)	-0.022215	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002495	NDUFS4	NADH dehydrogenase (ubiquinone) Fe-S protein 4, 18kDa (NADH-coenzyme Q reductase)	0.022215	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0024 95	NDUFS4	NADH dehydrogenase (ubiquinone) Fe-S protein 4, 18kDa (NADH-coenzyme Q reductase)	0.382335	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0024 95	NDUFS4	NADH dehydrogenase (ubiquinone) Fe-S protein 4, 18kDa (NADH-coenzyme Q reductase)	0.966665	Inlier
siRNA Disorazole DMSO Run3	NM_0024 95	NDUFS4	NADH dehydrogenase (ubiquinone) Fe-S protein 4, 18kDa (NADH-coenzyme Q reductase)	1.278871	Inlier
siRNA Disorazole DMSO Run1	NM_0045 52	NDUFS5	NADH dehydrogenase (ubiquinone) Fe-S protein 5, 15kDa (NADH-coenzyme Q reductase)	-1.164295	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0045 52	NDUFS5	NADH dehydrogenase (ubiquinone) Fe-S protein 5, 15kDa (NADH-coenzyme Q reductase)	-0.966148	Inlier
siRNA Disorazole DMSO Run2	NM_0045 52	NDUFS5	NADH dehydrogenase (ubiquinone) Fe-S protein 5, 15kDa (NADH-coenzyme Q reductase)	-0.368982	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0045 52	NDUFS5	NADH dehydrogenase (ubiquinone) Fe-S protein 5, 15kDa (NADH-coenzyme Q reductase)	-0.141087	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0045 52	NDUFS5	NADH dehydrogenase (ubiquinone) Fe-S protein 5, 15kDa (NADH-coenzyme Q reductase)	0.141087	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_004552	NDUFS5	NADH dehydrogenase (ubiquinone) Fe-S protein 5, 15kDa (NADH-coenzyme Q reductase)	0.382852	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004552	NDUFS5	NADH dehydrogenase (ubiquinone) Fe-S protein 5, 15kDa (NADH-coenzyme Q reductase)	1.708804	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004552	NDUFS5	NADH dehydrogenase (ubiquinone) Fe-S protein 5, 15kDa (NADH-coenzyme Q reductase)	3.210934	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004553	NDUFS6	NADH dehydrogenase (ubiquinone) Fe-S protein 6, 13kDa (NADH-coenzyme Q reductase)	-1.345832	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_004553	NDUFS6	NADH dehydrogenase (ubiquinone) Fe-S protein 6, 13kDa (NADH-coenzyme Q reductase)	-0.671316	Inlier
siRNA Disorazole DMSO Run1	NM_004553	NDUFS6	NADH dehydrogenase (ubiquinone) Fe-S protein 6, 13kDa (NADH-coenzyme Q reductase)	-0.20143	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004553	NDUFS6	NADH dehydrogenase (ubiquinone) Fe-S protein 6, 13kDa (NADH-coenzyme Q reductase)	-0.094639	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004553	NDUFS6	NADH dehydrogenase (ubiquinone) Fe-S protein 6, 13kDa (NADH-coenzyme Q reductase)	0.094639	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0045 53	NDUFS6	NADH dehydrogenase (ubiquinone) Fe-S protein 6, 13kDa (NADH-coenzyme Q reductase)	0.677684	Inlier
siRNA Disorazole DMSO Run3	NM_0045 53	NDUFS6	NADH dehydrogenase (ubiquinone) Fe-S protein 6, 13kDa (NADH-coenzyme Q reductase)	0.731518	Inlier
siRNA Disorazole DMSO Run2	NM_0045 53	NDUFS6	NADH dehydrogenase (ubiquinone) Fe-S protein 6, 13kDa (NADH-coenzyme Q reductase)	1.155609	Inlier
siRNA Disorazole DMSO Run2	NM_0244 07	NDUFS7	NADH dehydrogenase (ubiquinone) Fe-S protein 7, 20kDa (NADH-coenzyme Q reductase)	-0.907806	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_024407	NDUFS7	NADH dehydrogenase (ubiquinone) Fe-S protein 7, 20kDa (NADH-coenzyme Q reductase)	-0.749582	Inlier
siRNA-Temozolomide Run3-DMSO	NM_024407	NDUFS7	NADH dehydrogenase (ubiquinone) Fe-S protein 7, 20kDa (NADH-coenzyme Q reductase)	-0.549562	Inlier
siRNA Disorazole DMSO Run3	NM_024407	NDUFS7	NADH dehydrogenase (ubiquinone) Fe-S protein 7, 20kDa (NADH-coenzyme Q reductase)	-0.080964	Inlier
siRNA Disorazole DMSO Run1	NM_024407	NDUFS7	NADH dehydrogenase (ubiquinone) Fe-S protein 7, 20kDa (NADH-coenzyme Q reductase)	0.080964	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_024407	NDUFS7	NADH dehydrogenase (ubiquinone) Fe-S protein 7, 20kDa (NADH-coenzyme Q reductase)	0.599418	Inlier
siRNA-Vinblastine Run1-DMSO	NM_024407	NDUFS7	NADH dehydrogenase (ubiquinone) Fe-S protein 7, 20kDa (NADH-coenzyme Q reductase)	1.28616	Inlier
siRNA-Vinblastine Run2-DMSO	NM_024407	NDUFS7	NADH dehydrogenase (ubiquinone) Fe-S protein 7, 20kDa (NADH-coenzyme Q reductase)	1.978469	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002496	NDUFS8	NADH dehydrogenase (ubiquinone) Fe-S protein 8, 23kDa (NADH-coenzyme Q reductase)	-2.106277	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_002496	NDUFS8	NADH dehydrogenase (ubiquinone) Fe-S protein 8, 23kDa (NADH-coenzyme Q reductase)	-1.293656	Inlier
siRNA Disorazole DMSO Run1	NM_002496	NDUFS8	NADH dehydrogenase (ubiquinone) Fe-S protein 8, 23kDa (NADH-coenzyme Q reductase)	-0.367619	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002496	NDUFS8	NADH dehydrogenase (ubiquinone) Fe-S protein 8, 23kDa (NADH-coenzyme Q reductase)	-0.296604	Inlier
siRNA Disorazole DMSO Run3	NM_002496	NDUFS8	NADH dehydrogenase (ubiquinone) Fe-S protein 8, 23kDa (NADH-coenzyme Q reductase)	0.296604	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_002496	NDUFS8	NADH dehydrogenase (ubiquinone) Fe-S protein 8, 23kDa (NADH-coenzyme Q reductase)	0.416281	Inlier
siRNA Disorazole DMSO Run2	NM_002496	NDUFS8	NADH dehydrogenase (ubiquinone) Fe-S protein 8, 23kDa (NADH-coenzyme Q reductase)	0.932719	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002496	NDUFS8	NADH dehydrogenase (ubiquinone) Fe-S protein 8, 23kDa (NADH-coenzyme Q reductase)	1.067039	Inlier
siRNA Disorazole DMSO Run2	NM_007103	NDUFV1	NADH dehydrogenase (ubiquinone) flavoprotein 1, 51kDa	-1.0178	Inlier
siRNA Disorazole DMSO Run3	NM_007103	NDUFV1	NADH dehydrogenase (ubiquinone) flavoprotein 1, 51kDa	-0.921506	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_007103	NDUFV1	NADH dehydrogenase (ubiquinone) flavoprotein 1, 51kDa	-0.427494	Inlier
siRNA-Temozolomide Run2-DMSO	NM_007103	NDUFV1	NADH dehydrogenase (ubiquinone) flavoprotein 1, 51kDa	-0.189896	Inlier
siRNA Disorazole DMSO Run1	NM_007103	NDUFV1	NADH dehydrogenase (ubiquinone) flavoprotein 1, 51kDa	0.189896	Inlier
siRNA-Temozolomide Run1-DMSO	NM_007103	NDUFV1	NADH dehydrogenase (ubiquinone) flavoprotein 1, 51kDa	0.251615	Inlier
siRNA-Vinblastine Run2-DMSO	NM_007103	NDUFV1	NADH dehydrogenase (ubiquinone) flavoprotein 1, 51kDa	1.21433	Inlier
siRNA-Vinblastine Run1-DMSO	NM_007103	NDUFV1	NADH dehydrogenase (ubiquinone) flavoprotein 1, 51kDa	1.276126	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_021074	NDUFV2	NADH dehydrogenase (ubiquinone) flavoprotein 2, 24kDa	-2.82275	Inlier
siRNA-Temozolomide Run3-DMSO	NM_021074	NDUFV2	NADH dehydrogenase (ubiquinone) flavoprotein 2, 24kDa	-0.751458	Inlier
siRNA Disorazole DMSO Run2	NM_021074	NDUFV2	NADH dehydrogenase (ubiquinone) flavoprotein 2, 24kDa	-0.597542	Inlier
siRNA Disorazole DMSO Run1	NM_021074	NDUFV2	NADH dehydrogenase (ubiquinone) flavoprotein 2, 24kDa	-0.190397	Inlier
siRNA-Vinblastine Run1-DMSO	NM_021074	NDUFV2	NADH dehydrogenase (ubiquinone) flavoprotein 2, 24kDa	0.190396	Inlier
siRNA-Temozolomide Run2-DMSO	NM_021074	NDUFV2	NADH dehydrogenase (ubiquinone) flavoprotein 2, 24kDa	0.589872	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0210 74	NDUFV2	NADH dehydrogenase (ubiquinone) flavoprotein 2, 24kDa	0.99008	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0210 74	NDUFV2	NADH dehydrogenase (ubiquinone) flavoprotein 2, 24kDa	2.615444	Inlier
siRNA Disorazole DMSO Run1	NM_0210 75	NDUFV3	NADH dehydrogenase (ubiquinone) flavoprotein 3, 10kDa	-8.069188	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0210 75	NDUFV3	NADH dehydrogenase (ubiquinone) flavoprotein 3, 10kDa	-2.097184	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0210 75	NDUFV3	NADH dehydrogenase (ubiquinone) flavoprotein 3, 10kDa	-0.971977	Inlier
siRNA Disorazole DMSO Run2	NM_0210 75	NDUFV3	NADH dehydrogenase (ubiquinone) flavoprotein 3, 10kDa	-0.160223	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_021075	NDUFV3	NADH dehydrogenase (ubiquinone) flavoprotein 3, 10kDa	0.16022	Inlier
siRNA Disorazole DMSO Run3	NM_021075	NDUFV3	NADH dehydrogenase (ubiquinone) flavoprotein 3, 10kDa	0.362501	Inlier
siRNA-Vinblastine Run2-DMSO	NM_021075	NDUFV3	NADH dehydrogenase (ubiquinone) flavoprotein 3, 10kDa	0.377023	Inlier
siRNA-Temozolomide Run1-DMSO	NM_021075	NDUFV3	NADH dehydrogenase (ubiquinone) flavoprotein 3, 10kDa	1.572305	Inlier
siRNA-Temozolomide Run1-DMSO	NM_198400	NEDD4	neural precursor cell expressed, developmentally down-regulated 4	-0.859949	Inlier
siRNA-Temozolomide Run3-DMSO	NM_198400	NEDD4	neural precursor cell expressed, developmentally down-regulated 4	-0.76854	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_198400	NEDD4	neural precursor cell expressed , developmentally down-regulated 4	-0.649933	Inlier
siRNA Disorazole DMSO Run3	NM_198400	NEDD4	neural precursor cell expressed , developmentally down-regulated 4	-0.058609	Inlier
siRNA-Vinblastine Run2-DMSO	NM_198400	NEDD4	neural precursor cell expressed , developmentally down-regulated 4	0.058608	Inlier
siRNA Disorazole DMSO Run1	NM_198400	NEDD4	neural precursor cell expressed , developmentally down-regulated 4	0.643272	Inlier
siRNA Disorazole DMSO Run2	NM_198400	NEDD4	neural precursor cell expressed , developmentally down-regulated 4	0.699067	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

neural
 precursor
 cell
 expressed

,
 developm
 entally
 down-
 regulated

siRNA-Vinblastine Run1-DMSO	NM_198400	NEDD4	4	0.853013	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006155	NEDD5	septin 2	-1.040192	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006155	NEDD5	septin 2	-0.904908	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006155	NEDD5	septin 2	-0.553514	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006155	NEDD5	septin 2	-0.189873	Inlier
siRNA Disorazole DMSO Run1	NM_006155	NEDD5	septin 2	0.189873	Inlier
siRNA Disorazole DMSO Run3	NM_006155	NEDD5	septin 2	0.260613	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006155	NEDD5	septin 2	0.795486	Inlier
siRNA Disorazole DMSO Run2	NM_006155	NEDD5	septin 2 HECT, C2 and WW domain containing E3 ubiquitin protein ligase 1	1.084499	Inlier
siRNA-Temozolomide Run3-DMSO	NM_015052	NEDL1	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 1	-3.212578	Inlier
siRNA-Temozolomide Run2-DMSO	NM_015052	NEDL1	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 1	-2.902365	Inlier
siRNA-Vinblastine Run2-DMSO	NM_015052	NEDL1	ubiquitin protein ligase 1	-0.238887	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Description	Log Fold Change	Category
siRNA-Temozolomide Run1-DMSO	NM_015052	NEDL1	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 1	-0.009121	Inlier
siRNA Disorazole DMSO Run3	NM_015052	NEDL1	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 1	0.009121	Inlier
siRNA Disorazole DMSO Run1	NM_015052	NEDL1	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 1	0.177457	Inlier
siRNA Disorazole DMSO Run2	NM_015052	NEDL1	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 1	1.110113	Inlier
siRNA-Vinblastine Run1-DMSO	NM_015052	NEDL1	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 1	1.475536	Inlier
siRNA-Temozolomide Run3-DMSO	NM_024608	NEIL1	nei endonuclease VIII-like 1 (E. coli)	-1.352078	Inlier
siRNA-Vinblastine Run2-DMSO	NM_024608	NEIL1	nei endonuclease VIII-like 1 (E. coli)	-0.705322	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0246 08	NEIL1	nei endonucle ase VIII- like 1 (E. coli)	-0.499144	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0246 08	NEIL1	nei endonucle ase VIII- like 1 (E. coli)	-0.310013	Inlier
siRNA Disorazole DMSO Run1	NM_0246 08	NEIL1	nei endonucle ase VIII- like 1 (E. coli)	0.310014	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0246 08	NEIL1	nei endonucle ase VIII- like 1 (E. coli)	0.643678	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0246 08	NEIL1	nei endonucle ase VIII- like 1 (E. coli)	1.445404	Inlier
siRNA Disorazole DMSO Run2	NM_0246 08	NEIL1	nei endonucle ase VIII- like 1 (E. coli)	1.684848	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0122 24	NEK1	NIMA (never in mitosis gene a)- related kinase 1	-1.730124	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0122 24	NEK1	NIMA (never in mitosis gene a)- related kinase 1	-1.59589	Inlier
siRNA Disorazole DMSO Run1	NM_0122 24	NEK1	NIMA (never in mitosis gene a)- related kinase 1	-0.574203	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Value	Category
siRNA-Temozolomide Run1-DMSO	NM_012224	NEK1	NIMA (never in mitosis gene a)-related kinase 1	-0.258191	Inlier
siRNA-Temozolomide Run3-DMSO	NM_012224	NEK1	NIMA (never in mitosis gene a)-related kinase 1	0.258194	Inlier
siRNA Disorazole DMSO Run2	NM_012224	NEK1	NIMA (never in mitosis gene a)-related kinase 1	0.593484	Inlier
siRNA-Vinblastine Run2-DMSO	NM_012224	NEK1	NIMA (never in mitosis gene a)-related kinase 1	0.755516	Inlier
siRNA Disorazole DMSO Run3	NM_012224	NEK1	NIMA (never in mitosis gene a)-related kinase 1	9.348152	Outlier
siRNA Disorazole DMSO Run2	NM_145910	NEK11	NIMA (never in mitosis gene a)-related kinase 11	-1.236259	Inlier
siRNA-Temozolomide Run3-DMSO	NM_145910	NEK11	NIMA (never in mitosis gene a)-related kinase 11	-0.411977	Inlier
siRNA-Temozolomide Run2-DMSO	NM_145910	NEK11	NIMA (never in mitosis gene a)-related kinase 11	-0.229013	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_1459 10	NEK11	NIMA (never in mitosis gene a)-related kinase 11	-0.034812	Inlier
siRNA Disorazole DMSO Run3	NM_1459 10	NEK11	NIMA (never in mitosis gene a)-related kinase 11	0.034813	Inlier
siRNA Disorazole DMSO Run1	NM_1459 10	NEK11	NIMA (never in mitosis gene a)-related kinase 11	0.937023	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1459 10	NEK11	NIMA (never in mitosis gene a)-related kinase 11	1.162976	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1459 10	NEK11	NIMA (never in mitosis gene a)-related kinase 11	1.197184	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0024 97	NEK2	NIMA (never in mitosis gene a)-related kinase 2	-1.788523	Inlier
siRNA Disorazole DMSO Run3	NM_0024 97	NEK2	NIMA (never in mitosis gene a)-related kinase 2	-0.847379	Inlier
siRNA Disorazole DMSO Run2	NM_0024 97	NEK2	NIMA (never in mitosis gene a)-related kinase 2	-0.298956	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0024 97	NEK2	NIMA (never in mitosis gene a)-related kinase 2	-0.066637	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0024 97	NEK2	NIMA (never in mitosis gene a)-related kinase 2	0.066637	Inlier
siRNA Disorazole DMSO Run1	NM_0024 97	NEK2	NIMA (never in mitosis gene a)-related kinase 2	0.501621	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0024 97	NEK2	NIMA (never in mitosis gene a)-related kinase 2	1.428203	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0024 97	NEK2	NIMA (never in mitosis gene a)-related kinase 2	1.902705	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1527 20	NEK3	NIMA (never in mitosis gene a)-related kinase 3	-1.268723	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1527 20	NEK3	NIMA (never in mitosis gene a)-related kinase 3	-0.727482	Inlier
siRNA Disorazole DMSO Run2	NM_1527 20	NEK3	NIMA (never in mitosis gene a)-related kinase 3	-0.613987	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_1527 20	NEK3	NIMA (never in mitosis gene a)-related kinase 3	-0.062085 Inlier
siRNA Disorazole DMSO Run3	NM_1527 20	NEK3	NIMA (never in mitosis gene a)-related kinase 3	0.062084 Inlier
siRNA Disorazole DMSO Run1	NM_1527 20	NEK3	NIMA (never in mitosis gene a)-related kinase 3	0.673555 Inlier
siRNA-Vinblastine Run2-DMSO	NM_1527 20	NEK3	NIMA (never in mitosis gene a)-related kinase 3	0.675444 Inlier
siRNA-Vinblastine Run1-DMSO	NM_1527 20	NEK3	NIMA (never in mitosis gene a)-related kinase 3	0.845719 Inlier
siRNA Disorazole DMSO Run2	NM_0031 57	NEK4	NIMA (never in mitosis gene a)-related kinase 4	-0.811935 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0031 57	NEK4	NIMA (never in mitosis gene a)-related kinase 4	-0.678789 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0031 57	NEK4	NIMA (never in mitosis gene a)-related kinase 4	-0.670211 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0031 57	NEK4	NIMA (never in mitosis gene a)-related kinase 4	-0.112906 Inlier
siRNA Disorazole DMSO Run3	NM_0031 57	NEK4	NIMA (never in mitosis gene a)-related kinase 4	0.112906 Inlier
siRNA Disorazole DMSO Run1	NM_0031 57	NEK4	NIMA (never in mitosis gene a)-related kinase 4	0.528678 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0031 57	NEK4	NIMA (never in mitosis gene a)-related kinase 4	0.988301 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0031 57	NEK4	NIMA (never in mitosis gene a)-related kinase 4	1.047635 Inlier
siRNA Disorazole DMSO Run2	NM_0143 97	NEK6	NIMA (never in mitosis gene a)-related kinase 6	-0.872182 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0143 97	NEK6	NIMA (never in mitosis gene a)-related kinase 6	-0.787238 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0143 97	NEK6	NIMA (never in mitosis gene a)-related kinase 6	-0.746167 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	NEK	Gene Description	Value	Inlier
siRNA Disorazole DMSO Run3	NM_0143 97	NEK6	NIMA (never in mitosis gene a)-related kinase 6	-0.474476	Inlier
siRNA-Temozolomide DMSO Run2-	NM_0143 97	NEK6	NIMA (never in mitosis gene a)-related kinase 6	0.474476	Inlier
siRNA Disorazole DMSO Run1	NM_0143 97	NEK6	NIMA (never in mitosis gene a)-related kinase 6	0.563493	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0143 97	NEK6	NIMA (never in mitosis gene a)-related kinase 6	0.602833	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0143 97	NEK6	NIMA (never in mitosis gene a)-related kinase 6	1.006273	Inlier
siRNA Disorazole DMSO Run2	NM_1334 94	NEK7	NIMA (never in mitosis gene a)-related kinase 7	-3.051043	Inlier
siRNA-Temozolomide DMSO Run3-	NM_1334 94	NEK7	NIMA (never in mitosis gene a)-related kinase 7	-0.829538	Inlier
siRNA-Temozolomide DMSO Run1-	NM_1334 94	NEK7	NIMA (never in mitosis gene a)-related kinase 7	-0.519462	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_1334 94	NEK7	NIMA (never in mitosis gene a)-related kinase 7	-0.327974 Inlier
siRNA Disorazole DMSO Run1	NM_1334 94	NEK7	NIMA (never in mitosis gene a)-related kinase 7	0.327974 Inlier
siRNA Disorazole DMSO Run3	NM_1334 94	NEK7	NIMA (never in mitosis gene a)-related kinase 7	0.413012 Inlier
siRNA-Vinblastine Run1-DMSO	NM_1334 94	NEK7	NIMA (never in mitosis gene a)-related kinase 7	0.895836 Inlier
siRNA-Vinblastine Run2-DMSO	NM_1334 94	NEK7	NIMA (never in mitosis gene a)-related kinase 7	1.137688 Inlier
siRNA Disorazole DMSO Run2	NM_1781 70	NEK8	NIMA (never in mitosis gene a)-related kinase 8	-0.714091 Inlier
siRNA-Temozolomide Run3-DMSO	NM_1781 70	NEK8	NIMA (never in mitosis gene a)-related kinase 8	-0.634909 Inlier
siRNA-Temozolomide Run1-DMSO	NM_1781 70	NEK8	NIMA (never in mitosis gene a)-related kinase 8	-0.481052 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log2 Fold Change	Outlier Status
siRNA Disorazole DMSO Run3	NM_1781 70	NEK8	NIMA (never in mitosis gene a)-related kinase 8	-0.046633	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1781 70	NEK8	NIMA (never in mitosis gene a)-related kinase 8	0.046634	Inlier
siRNA Disorazole DMSO Run1	NM_1781 70	NEK8	NIMA (never in mitosis gene a)-related kinase 8	0.98658	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1781 70	NEK8	NIMA (never in mitosis gene a)-related kinase 8	1.25478	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1781 70	NEK8	NIMA (never in mitosis gene a)-related kinase 8	1.286968	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0331 16	NEK9	NIMA (never in mitosis gene a)-related kinase 9	-1.142746	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0331 16	NEK9	NIMA (never in mitosis gene a)-related kinase 9	-0.461255	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0331 16	NEK9	NIMA (never in mitosis gene a)-related kinase 9	-0.440607	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0331 16	NEK9	NIMA (never in mitosis gene a)- related kinase 9	-0.418758	Inlier
siRNA Disorazole DMSO Run3	NM_0331 16	NEK9	NIMA (never in mitosis gene a)- related kinase 9	0.418758	Inlier
siRNA Disorazole DMSO Run1	NM_0331 16	NEK9	NIMA (never in mitosis gene a)- related kinase 9	0.887745	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0331 16	NEK9	NIMA (never in mitosis gene a)- related kinase 9	1.141129	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0331 16	NEK9	NIMA (never in mitosis gene a)- related kinase 9	1.491487	Inlier
siRNA Disorazole DMSO Run3	NM_0024 99	NEO1	neogenin homolog 1 (chicken)	-1.751928	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0024 99	NEO1	neogenin homolog 1 (chicken)	-0.684597	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0024 99	NEO1	neogenin homolog 1 (chicken)	-0.423051	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0024 99	NEO1	neogenin homolog 1 (chicken)	-0.294024	Inlier
siRNA Disorazole DMSO Run1	NM_0024 99	NEO1	neogenin homolog 1 (chicken)	0.294023	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0024 99	NEO1	neogenin homolog 1 (chicken)	0.664402	Inlier
siRNA Disorazole DMSO Run2	NM_0024 99	NEO1	neogenin homolog 1 (chicken)	2.097542	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0024 99	NEO1	neogenin homolog 1 (chicken)	2.842249	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1389 99	NETO1	neuropilin (NRP) and tolloid (TLL)-like 1	-1.252128	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1389 99	NETO1	neuropilin (NRP) and tolloid (TLL)-like 1	-0.847974	Inlier
siRNA Disorazole DMSO Run2	NM_1389 99	NETO1	neuropilin (NRP) and tolloid (TLL)-like 1	-0.501025	Inlier
siRNA Disorazole DMSO Run3	NM_1389 99	NETO1	neuropilin (NRP) and tolloid (TLL)-like 1	-0.391935	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1389 99	NETO1	neuropilin (NRP) and tolloid (TLL)-like 1	0.391935	Inlier
siRNA Disorazole DMSO Run1	NM_1389 99	NETO1	neuropilin (NRP) and tolloid (TLL)-like 1	0.497171	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1389 99	NETO1	neuropilin (NRP) and tolloid (TLL)-like 1	1.440638	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1389 99	NETO1	neuropilin (NRP) and tolloid (TLL)-like 1	1.596527	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_018092	NETO2	neuropilin (NRP) and tolloid (TLL)-like 2	-1.000024	Inlier
siRNA-Temozolomide Run2-DMSO	NM_018092	NETO2	neuropilin (NRP) and tolloid (TLL)-like 2	-0.667443	Inlier
siRNA Disorazole DMSO Run2	NM_018092	NETO2	neuropilin (NRP) and tolloid (TLL)-like 2	-0.336952	Inlier
siRNA Disorazole DMSO Run1	NM_018092	NETO2	neuropilin (NRP) and tolloid (TLL)-like 2	-0.060911	Inlier
siRNA-Temozolomide Run1-DMSO	NM_018092	NETO2	neuropilin (NRP) and tolloid (TLL)-like 2	0.060911	Inlier
siRNA Disorazole DMSO Run3	NM_018092	NETO2	neuropilin (NRP) and tolloid (TLL)-like 2	0.681557	Inlier
siRNA-Vinblastine Run2-DMSO	NM_018092	NETO2	neuropilin (NRP) and tolloid (TLL)-like 2	1.323747	Inlier
siRNA-Vinblastine Run1-DMSO	NM_018092	NETO2	neuropilin (NRP) and tolloid (TLL)-like 2	1.575371	Inlier
siRNA-Temozolomide Run3-DMSO	NM_173163	NFATC3	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 3	-1.206917	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_173163	NFATC3	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 3	-0.729213	Inlier
siRNA Disorazole DMSO Run1	NM_173163	NFATC3	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 3	-0.619787	Inlier
siRNA-Vinblastine Run1-DMSO	NM_173163	NFATC3	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 3	-0.045847	Inlier
siRNA-Vinblastine Run2-DMSO	NM_173163	NFATC3	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 3	0.045848	Inlier
siRNA-Temozolomide Run1-DMSO	NM_173163	NFATC3	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 3	0.337895	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_1731 63	NFATC3	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent	3	0.788036	Inlier
siRNA Disorazole DMSO Run3	NM_1731 63	NFATC3	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent	3	2.035569	Inlier
siRNA-Temozolomide Run3-DMSO	NM_2058 43	NFIC	nuclear factor I/C (CCAAT-binding transcription factor)		-1.133612	Inlier
siRNA-Temozolomide Run1-DMSO	NM_2058 43	NFIC	nuclear factor I/C (CCAAT-binding transcription factor)		-0.850368	Inlier
siRNA-Vinblastine Run1-DMSO	NM_2058 43	NFIC	nuclear factor I/C (CCAAT-binding transcription factor)		-0.293051	Inlier
siRNA-Temozolomide Run2-DMSO	NM_2058 43	NFIC	nuclear factor I/C (CCAAT-binding transcription factor)		-0.064983	Inlier
siRNA Disorazole DMSO Run1	NM_2058 43	NFIC	nuclear factor I/C (CCAAT-binding transcription factor)		0.064981	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Cell Line	Transcription Factor	Log Fold Change	Outlier Status
siRNA-Vinblastine Run2-DMSO	NM_2058 43	NFIC	nuclear factor I/C (CCAAT-binding transcription factor)	0.571844	Inlier
siRNA Disorazole DMSO Run2	NM_2058 43	NFIC	nuclear factor I/C (CCAAT-binding transcription factor)	0.777156	Inlier
siRNA Disorazole DMSO Run3	NM_2058 43	NFIC	nuclear factor I/X (CCAAT-binding transcription factor)	1.316838	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0025 01	NFIX	nuclear factor I/X (CCAAT-binding transcription factor)	-0.981644	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0025 01	NFIX	nuclear factor I/X (CCAAT-binding transcription factor)	-0.77676	Inlier
siRNA Disorazole DMSO Run1	NM_0025 01	NFIX	nuclear factor I/X (CCAAT-binding transcription factor)	-0.206141	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0025 01	NFIX	nuclear factor I/X (CCAAT-binding transcription factor)	-0.004811	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0025 01	NFIX	nuclear factor I/X (CCAAT-binding transcription factor)	0.004811	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_002501	NFIX	nuclear factor I/X (CCAAT-binding transcription factor)	0.57224	Inlier
siRNA Disorazole DMSO Run2	NM_002501	NFIX	nuclear factor I/X (CCAAT-binding transcription factor)	2.417068	Inlier
siRNA Disorazole DMSO Run3	NM_002501	NFIX	nuclear factor I/X (CCAAT-binding transcription factor)	2.561265	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004556	NFKBIE	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, epsilon	-1.812819	Inlier
siRNA Disorazole DMSO Run3	NM_004556	NFKBIE	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, epsilon	-0.726503	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004556	NFKBIE	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, epsilon	-0.622496	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_004556	NFKBIE	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, epsilon	-0.279068	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004556	NFKBIE	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, epsilon	0.279067	Inlier
siRNA Disorazole DMSO Run1	NM_004556	NFKBIE	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, epsilon	0.380248	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004556	NFKBIE	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, epsilon	2.6815	Inlier
siRNA Disorazole DMSO Run2	NM_004556	NFKBIE	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, epsilon	4.695119	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_002507	NGFR	nerve growth factor receptor (TNFR superfamily, member 16)	-1.198458	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002507	NGFR	nerve growth factor receptor (TNFR superfamily, member 16)	-0.629808	Inlier
siRNA Disorazole DMSO Run1	NM_002507	NGFR	nerve growth factor receptor (TNFR superfamily, member 16)	-0.605905	Inlier
siRNA Disorazole DMSO Run3	NM_002507	NGFR	nerve growth factor receptor (TNFR superfamily, member 16)	-0.156185	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002507	NGFR	nerve growth factor receptor (TNFR superfamily, member 16)	0.156185	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_002507	NGFR	nerve growth factor receptor (TNFR superfamily, member 16)	0.719192	Inlier
siRNA Disorazole DMSO Run2	NM_002507	NGFR	nerve growth factor receptor (TNFR superfamily, member 16)	1.407914	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002507	NGFR	nerve growth factor receptor (TNFR superfamily, member 16)	1.716602	Inlier
siRNA-Temozolomide Run1-DMSO	NM_016478	NIPA	zinc finger, C3HC type 1	-2.750547	Inlier
siRNA-Temozolomide Run3-DMSO	NM_016478	NIPA	zinc finger, C3HC type 1	-0.319367	Inlier
siRNA-Vinblastine Run1-DMSO	NM_016478	NIPA	zinc finger, C3HC type 1	-0.315811	Inlier
siRNA Disorazole DMSO Run1	NM_016478	NIPA	zinc finger, C3HC type 1	-0.042603	Inlier
siRNA-Temozolomide Run2-DMSO	NM_016478	NIPA	zinc finger, C3HC type 1	0.042603	Inlier
siRNA Disorazole DMSO Run2	NM_016478	NIPA	zinc finger, C3HC type 1	1.029632	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0164 78	NIPA	zinc finger, C3HC type 1	1.73716	Inlier
siRNA Disorazole DMSO Run3	NM_0164 78	NIPA	zinc finger, C3HC type 1	4.557562	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0010 08892	NIPA2	non imprinted in Prader- Willi/Angel man syndrome 2	-0.678815	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 08892	NIPA2	non imprinted in Prader- Willi/Angel man syndrome 2	-0.670185	Inlier
siRNA Disorazole DMSO Run3	NM_0010 08892	NIPA2	non imprinted in Prader- Willi/Angel man syndrome 2	-0.646698	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 08892	NIPA2	non imprinted in Prader- Willi/Angel man syndrome 2	-0.578287	Inlier
siRNA Disorazole DMSO Run1	NM_0010 08892	NIPA2	non imprinted in Prader- Willi/Angel man syndrome 2	0.578286	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 08892	NIPA2	non imprinted in Prader- Willi/Angel man syndrome 2	0.735725	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			non imprinted in Prader- Willi/Angel man syndrome		
siRNA Disorazole DMSO Run2	NM_0010 08892	NIPA2	2	2.097312	Inlier
			non imprinted in Prader- Willi/Angel man syndrome		
siRNA-Vinblastine Run1- DMSO	NM_0010 08892	NIPA2	2	3.671539	Outlier
siRNA Disorazole DMSO Run1	NM_0056 00	NIT1	nitrilase 1	-0.731203	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0056 00	NIT1	nitrilase 1	-0.617797	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0056 00	NIT1	nitrilase 1	-0.580258	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0056 00	NIT1	nitrilase 1	-0.425888	Inlier
siRNA Disorazole DMSO Run3	NM_0056 00	NIT1	nitrilase 1	0.425886	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0056 00	NIT1	nitrilase 1	1.994096	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0056 00	NIT1	nitrilase 1	3.121664	Inlier
siRNA Disorazole DMSO Run2	NM_0056 00	NIT1	nitrilase 1	3.917991	Outlier
siRNA-Temozolomide Run1- DMSO	NM_0223 44	NJMU-R1	NJMU-R1	-2.289217	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0223 44	NJMU-R1	NJMU-R1	-0.78628	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0223 44	NJMU-R1	NJMU-R1	-0.433166	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0223 44	NJMU-R1	NJMU-R1	-0.009405	Inlier
siRNA Disorazole DMSO Run1	NM_0223 44	NJMU-R1	NJMU-R1	0.009404	Inlier
siRNA Disorazole DMSO Run2	NM_0223 44	NJMU-R1	NJMU-R1	0.56272	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0223 44	NJMU-R1	NJMU-R1	1.793008	Inlier
siRNA Disorazole DMSO Run3	NM_0223 44	NJMU-R1	NJMU-R1	5.764196	Outlier
siRNA-Vinblastine Run2- DMSO	NM_1390 18	NKIR	CD300 antigen like family member F	-1.480119	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1390 18	NKIR	CD300 antigen like family member F	-0.438593	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1390 18	NKIR	CD300 antigen like family member F	-0.284661	Inlier
siRNA Disorazole DMSO Run3	NM_1390 18	NKIR	CD300 antigen like family member F	-0.121822	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1390 18	NKIR	CD300 antigen like family member F	0.121822	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1390 18	NKIR	CD300 antigen like family member F	0.910407	Inlier
siRNA Disorazole DMSO Run2	NM_1390 18	NKIR	CD300 antigen like family member F	3.126218	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1390 18	NKIR	CD300 antigen like family member F natural killer- tumor recognitio n	3.945378	Outlier
siRNA-Temozolomide Run1- DMSO	NM_0053 85	NKTR	sequence natural killer- tumor recognitio n	-1.830355	Inlier
siRNA Disorazole DMSO Run1	NM_0053 85	NKTR	sequence natural killer- tumor recognitio n	-1.006137	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0053 85	NKTR	sequence natural killer- tumor recognitio n	-0.878927	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0053 85	NKTR	sequence	-0.225781	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

				natural killer-tumor recognition	
siRNA Disorazole DMSO Run2	NM_0053 85	NKTR		sequence natural killer-tumor recognition	0.225781 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0053 85	NKTR		sequence natural killer-tumor recognition	0.346775 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0053 85	NKTR		sequence natural killer-tumor recognition	0.470073 Inlier
siRNA Disorazole DMSO Run3	NM_0053 85	NKTR		sequence natural killer-tumor recognition	0.995445 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0149 32	NLGN1	1	neuroigin	-1.636418 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0149 32	NLGN1	1	neuroigin	-0.760001 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0149 32	NLGN1	1	neuroigin	-0.588998 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0149 32	NLGN1	1	neuroigin	-0.137676 Inlier
siRNA Disorazole DMSO Run3	NM_0149 32	NLGN1	1	neuroigin	0.137677 Inlier
siRNA Disorazole DMSO Run1	NM_0149 32	NLGN1	1	neuroigin	0.424212 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0149 32	NLGN1	1	neuroigin	1.081487 Inlier
siRNA Disorazole DMSO Run2	NM_0149 32	NLGN1	1	neuroigin	1.419321 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0207 95	NLGN2	2	neuroigin	-1.694039 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0207 95	NLGN2	2	neuroigin	-1.564828 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0207 95	NLGN2	2	neuroigin	-1.376785 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0207 95	NLGN2	2	neuroigin	-0.201946 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0207 95	NLGN2	2	neuroigin	0.201946 Inlier
siRNA Disorazole DMSO Run1	NM_0207 95	NLGN2	2	neuroigin	0.243179 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_0207		neuroigin	
siRNA Disorazole DMSO Run3	95	NLGN2	2	0.270423 Inlier
	NM_0207		neuroigin	
siRNA Disorazole DMSO Run2	95	NLGN2	2	1.078577 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0189		neuroigin	
	77	NLGN3	3	-1.039308 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0189		neuroigin	
	77	NLGN3	3	-0.569838 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0189		neuroigin	
	77	NLGN3	3	-0.316706 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0189		neuroigin	
	77	NLGN3	3	-0.051658 Inlier
	NM_0189		neuroigin	
siRNA Disorazole DMSO Run3	77	NLGN3	3	0.051659 Inlier
	NM_0189		neuroigin	
siRNA Disorazole DMSO Run1	77	NLGN3	3	0.779162 Inlier
	NM_0189		neuroigin	
siRNA Disorazole DMSO Run2	77	NLGN3	3	1.491137 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0189		neuroigin	
	77	NLGN3	3	1.638761 Inlier
siRNA-Temozolomide Run2-DMSO	NM_1813		neuroigin	
	32	NLGN4X	4, X-linked	-0.865507 Inlier
siRNA-Temozolomide Run3-DMSO	NM_1813		neuroigin	
	32	NLGN4X	4, X-linked	-0.712057 Inlier
siRNA-Temozolomide Run1-DMSO	NM_1813		neuroigin	
	32	NLGN4X	4, X-linked	-0.636943 Inlier
siRNA-Vinblastine Run2-DMSO	NM_1813		neuroigin	
	32	NLGN4X	4, X-linked	-0.024296 Inlier
	NM_1813		neuroigin	
siRNA Disorazole DMSO Run3	32	NLGN4X	4, X-linked	0.024296 Inlier
	NM_1813		neuroigin	
siRNA Disorazole DMSO Run1	32	NLGN4X	4, X-linked	0.570021 Inlier
	NM_1813		neuroigin	
siRNA Disorazole DMSO Run2	32	NLGN4X	4, X-linked	1.261022 Inlier
siRNA-Vinblastine Run1-DMSO	NM_1813		neuroigin	
	32	NLGN4X	4, X-linked	2.232616 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0148		neuroigin	
	93	NLGN4Y	4, Y-linked	-1.519483 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0148		neuroigin	
	93	NLGN4Y	4, Y-linked	-1.270586 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2- DMSO	NM_0148 93	NLGN4Y	neuroigin 4, Y-linked	-0.992334	Inlier
siRNA Disorazole DMSO Run3	NM_0148 93	NLGN4Y	neuroigin 4, Y-linked	-0.065361	Inlier
siRNA Disorazole DMSO Run1	NM_0148 93	NLGN4Y	neuroigin 4, Y-linked	0.065361	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0148 93	NLGN4Y	neuroigin 4, Y-linked	0.109426	Inlier
siRNA Disorazole DMSO Run2	NM_0148 93	NLGN4Y	neuroigin 4, Y-linked	0.658571	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0148 93	NLGN4Y	neuroigin 4, Y-linked	0.690429	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0162 31	NLK	nemo like kinase	-2.081437	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0162 31	NLK	nemo like kinase	-0.682207	Inlier
siRNA Disorazole DMSO Run3	NM_0162 31	NLK	nemo like kinase	-0.321131	Inlier
siRNA Disorazole DMSO Run1	NM_0162 31	NLK	nemo like kinase	-0.0541	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0162 31	NLK	nemo like kinase	0.0541	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0162 31	NLK	nemo like kinase	0.666793	Inlier
siRNA Disorazole DMSO Run2	NM_0162 31	NLK	nemo like kinase	1.131015	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0162 31	NLK	nemo like kinase	2.939666	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0207 26	NLN	neurolysin (metallope ptidase M3 family)	-2.32366	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0207 26	NLN	neurolysin (metallope ptidase M3 family)	-0.481556	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0207 26	NLN	neurolysin (metallope ptidase M3 family)	-0.071655	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0207 26	NLN	neurolysin (metallope ptidase M3 family)	-0.048217	Inlier
siRNA Disorazole DMSO Run2	NM_0207 26	NLN	neurolysin (metallope ptidase M3 family)	0.048217	Inlier
siRNA Disorazole DMSO Run3	NM_0207 26	NLN	neurolysin (metallope ptidase M3 family)	0.867444	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0207 26	NLN	neurolysin (metallope ptidase M3 family)	2.256802	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0207 26	NLN	neurolysin (metallope ptidase M3 family)	2.407309	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0025 11	NMBR	neuromedi n B receptor	-1.624168	Inlier
siRNA Disorazole DMSO Run2	NM_0025 11	NMBR	neuromedi n B receptor	-0.736389	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0025 11	NMBR	neuromedi n B receptor	-0.062111	Inlier
siRNA Disorazole DMSO Run3	NM_0025 11	NMBR	neuromedi n B receptor	-0.057803	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0025 11	NMBR	neuromedi n B receptor	0.057803	Inlier
siRNA Disorazole DMSO Run1	NM_0025 11	NMBR	neuromedi n B receptor	0.612611	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0025 11	NMBR	neuromedi n B receptor	1.016338	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0025 11	NMBR	neuromedi n B receptor	1.164648	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_1981 75	NME1	non-metastatic cells 1, protein (NM23A) expressed in	-0.715457	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1981 75	NME1	non-metastatic cells 1, protein (NM23A) expressed in	-0.633543	Inlier
siRNA Disorazole DMSO Run2	NM_1981 75	NME1	non-metastatic cells 1, protein (NM23A) expressed in	-0.468816	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1981 75	NME1	non-metastatic cells 1, protein (NM23A) expressed in	-0.422392	Inlier
siRNA Disorazole DMSO Run3	NM_1981 75	NME1	non-metastatic cells 1, protein (NM23A) expressed in	0.422392	Inlier
siRNA Disorazole DMSO Run1	NM_1981 75	NME1	non-metastatic cells 1, protein (NM23A) expressed in	0.802237	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1981 75	NME1	non-metastatic cells 1, protein (NM23A) expressed in	0.853308	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_1981 75	NME1	non-metastatic cells 1, protein (NM23A) expressed in	1.130571	Inlier
siRNA Disorazole DMSO Run2	NM_0025 12	NME2	non-metastatic cells 2, protein (NM23B) expressed in	-0.971085	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0025 12	NME2	non-metastatic cells 2, protein (NM23B) expressed in	-0.722497	Inlier
siRNA Disorazole DMSO Run3	NM_0025 12	NME2	non-metastatic cells 2, protein (NM23B) expressed in	-0.626503	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0025 12	NME2	non-metastatic cells 2, protein (NM23B) expressed in	-0.246313	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0025 12	NME2	non-metastatic cells 2, protein (NM23B) expressed in	0.246313	Inlier
siRNA Disorazole DMSO Run1	NM_0025 12	NME2	non-metastatic cells 2, protein (NM23B) expressed in	0.591056	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0025 12	NME2	non-metastatic cells 2, protein (NM23B) expressed in	1.086582	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0025 12	NME2	non-metastatic cells 2, protein (NM23B) expressed in	1.647942	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0025 13	NME3	non-metastatic cells 3, protein expressed in	-1.770638	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0025 13	NME3	non-metastatic cells 3, protein expressed in	-0.945371	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0025 13	NME3	non-metastatic cells 3, protein expressed in	-0.62866	Inlier
siRNA Disorazole DMSO Run1	NM_0025 13	NME3	non-metastatic cells 3, protein expressed in	-0.003933	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0025 13	NME3	non-metastatic cells 3, protein expressed in	0.003933	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0025 13	NME3	non-metastatic cells 3, protein expressed in	0.485733	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0025 13	NME3	non-metastatic cells 3, protein expressed in	0.72034	Inlier
siRNA Disorazole DMSO Run3	NM_0025 13	NME3	non-metastatic cells 3, protein expressed in	2.271308	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0050 09	NME4	non-metastatic cells 4, protein expressed in	-1.193251	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0050 09	NME4	non-metastatic cells 4, protein expressed in	-0.870024	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0050 09	NME4	non-metastatic cells 4, protein expressed in	-0.478976	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0050 09	NME4	non-metastatic cells 4, protein expressed in	-0.231145	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0050 09	NME4	non-metastatic cells 4, protein expressed in	0.231145	Inlier
siRNA Disorazole DMSO Run1	NM_0050 09	NME4	non-metastatic cells 4, protein expressed in	0.31015	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0050 09	NME4	non-metastatic cells 4, protein expressed in	1.153438	Inlier
siRNA Disorazole DMSO Run3	NM_0050 09	NME4	non-metastatic cells 4, protein expressed in	3.556656	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0035 51	NME5	non-metastatic cells 5, protein expressed in (nucleoside diphosphate kinase)	-1.177154	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0035 51	NME5	non-metastatic cells 5, protein expressed in (nucleoside diphosphate kinase)	-0.765185	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0035 51	NME5	non-metastatic cells 5, protein expressed in (nucleoside diphosphate kinase)	-0.583815	Inlier
siRNA Disorazole DMSO Run1	NM_0035 51	NME5	non-metastatic cells 5, protein expressed in (nucleoside diphosphate kinase)	-0.107361	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_003551	NME5	non-metastatic cells 5, protein expressed in (nucleoside diphosphate kinase)	0.107361	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003551	NME5	non-metastatic cells 5, protein expressed in (nucleoside diphosphate kinase)	0.119571	Inlier
siRNA Disorazole DMSO Run2	NM_003551	NME5	non-metastatic cells 5, protein expressed in (nucleoside diphosphate kinase)	0.952605	Inlier
siRNA Disorazole DMSO Run3	NM_003551	NME5	non-metastatic cells 6, protein expressed in (nucleoside diphosphate kinase)	1.782944	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005793	NME6	non-metastatic cells 6, protein expressed in (nucleoside diphosphate kinase)	-0.884681	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Expression	Classification
siRNA Disorazole DMSO Run2	NM_005793	NME6	-0.811288	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005793	NME6	-0.73406	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005793	NME6	-0.088545	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005793	NME6	0.088545	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005793	NME6	0.260113	Inlier

non-metastatic cells 6, protein expressed in (nucleoside diphosphate kinase) non-metastatic cells 6, protein expressed in (nucleoside diphosphate kinase) non-metastatic cells 6, protein expressed in (nucleoside diphosphate kinase) non-metastatic cells 6, protein expressed in (nucleoside diphosphate kinase)

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0057 93	NME6	non-metastatic cells 6, protein expressed in (nucleoside diphosphate kinase)	0.61494	Inlier
siRNA Disorazole DMSO Run3	NM_0057 93	NME6	non-metastatic cells 6, protein expressed in (nucleoside diphosphate kinase)	0.868131	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0133 30	NME7	non-metastatic cells 7, protein expressed in (nucleoside diphosphate kinase)	-1.233535	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0133 30	NME7	non-metastatic cells 7, protein expressed in (nucleoside diphosphate kinase)	-0.581233	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0133 30	NME7	non-metastatic cells 7, protein expressed in (nucleoside diphosphate kinase)	-0.354096	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Condition	Gene	Cell Line	Log2 Fold Change	Outlier Status
siRNA Disorazole	DMSO Run1	NM_0133	NME7	-0.126258	Inlier
siRNA-Temozolomide	Run2-DMSO	NM_0133	NME7	0.126258	Inlier
siRNA-Vinblastine	Run2-DMSO	NM_0133	NME7	0.767766	Inlier
siRNA Disorazole	DMSO Run2	NM_0133	NME7	0.927406	Inlier
siRNA Disorazole	DMSO Run3	NM_0133	NME7	1.052443	Inlier

non-metastatic cells 7, protein expressed in (nucleoside diphosphate kinase) non-metastatic cells 7, protein expressed in (nucleoside diphosphate kinase) non-metastatic cells 7, protein expressed in (nucleoside diphosphate kinase) non-metastatic cells 7, protein expressed in (nucleoside diphosphate kinase)

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0227 87	NMNAT1	nicotinamide nucleotide adenylyltransferase 1	-0.737756	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0227 87	NMNAT1	nicotinamide nucleotide adenylyltransferase 1	-0.611244	Inlier
siRNA Disorazole DMSO Run3	NM_0227 87	NMNAT1	nicotinamide nucleotide adenylyltransferase 1	-0.597895	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0227 87	NMNAT1	nicotinamide nucleotide adenylyltransferase 1	-0.033519	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0227 87	NMNAT1	nicotinamide nucleotide adenylyltransferase 1	0.033518	Inlier
siRNA Disorazole DMSO Run1	NM_0227 87	NMNAT1	nicotinamide nucleotide adenylyltransferase 1	1.660611	Inlier
siRNA Disorazole DMSO Run2	NM_0227 87	NMNAT1	nicotinamide nucleotide adenylyltransferase 1	7.417036	Outlier
siRNA-Vinblastine Run1-DMSO	NM_0227 87	NMNAT1	nicotinamide nucleotide adenylyltransferase 1	7.614155	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_170706	NMNAT2	nicotinamide nucleotide adenyltransferase 2	-0.920332	Inlier
siRNA-Temozolomide Run2-DMSO	NM_170706	NMNAT2	nicotinamide nucleotide adenyltransferase 2	-0.51292	Inlier
siRNA Disorazole DMSO Run1	NM_170706	NMNAT2	nicotinamide nucleotide adenyltransferase 2	-0.209711	Inlier
siRNA Disorazole DMSO Run3	NM_170706	NMNAT2	nicotinamide nucleotide adenyltransferase 2	-0.123428	Inlier
siRNA-Temozolomide Run1-DMSO	NM_170706	NMNAT2	nicotinamide nucleotide adenyltransferase 2	0.123429	Inlier
siRNA-Vinblastine Run2-DMSO	NM_170706	NMNAT2	nicotinamide nucleotide adenyltransferase 2	0.83608	Inlier
siRNA-Vinblastine Run1-DMSO	NM_170706	NMNAT2	nicotinamide nucleotide adenyltransferase 2	3.014448	Inlier
siRNA Disorazole DMSO Run2	NM_170706	NMNAT2	nicotinamide nucleotide adenyltransferase 2	3.443113	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1781 77	NMNAT3	nicotinamide nucleotide adenylyltransferase 3	-1.12542	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1781 77	NMNAT3	nicotinamide nucleotide adenylyltransferase 3	-0.809332	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1781 77	NMNAT3	nicotinamide nucleotide adenylyltransferase 3	-0.539668	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1781 77	NMNAT3	nicotinamide nucleotide adenylyltransferase 3	-0.321767	Inlier
siRNA Disorazole DMSO Run3	NM_1781 77	NMNAT3	nicotinamide nucleotide adenylyltransferase 3	0.321766	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1781 77	NMNAT3	nicotinamide nucleotide adenylyltransferase 3	0.39127	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1781 77	NMNAT3	nicotinamide nucleotide adenylyltransferase 3	2.698806	Inlier
siRNA Disorazole DMSO Run2	NM_1781 77	NMNAT3	nicotinamide nucleotide adenylyltransferase 3	2.753697	Inlier
siRNA Disorazole DMSO Run1	NM_0210 79	NMT1	N-myristoyltransferase 1	-1.426764	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0210 79	NMT1	N- myristoyltr ansferase 1	-1.134686	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0210 79	NMT1	N- myristoyltr ansferase 1	-0.196001	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0210 79	NMT1	N- myristoyltr ansferase 1	-0.011863	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0210 79	NMT1	N- myristoyltr ansferase 1	0.011863	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0210 79	NMT1	N- myristoyltr ansferase 1	0.469162	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0210 79	NMT1	N- myristoyltr ansferase 1	0.879838	Inlier
siRNA Disorazole DMSO Run2	NM_0210 79	NMT1	N- myristoyltr ansferase 1	1.457919	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0048 08	NMT2	N- myristoyltr ansferase 2	-1.550015	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0048 08	NMT2	N- myristoyltr ansferase 2	-0.767912	Inlier
siRNA Disorazole DMSO Run3	NM_0048 08	NMT2	N- myristoyltr ansferase 2	-0.188497	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0048 08	NMT2	N- myristoyltr ansferase 2	-0.145074	Inlier
siRNA Disorazole DMSO Run1	NM_0048 08	NMT2	N- myristoyltr ansferase 2	0.145074	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0048 08	NMT2	N- myristoyltr ansferase 2	0.581088	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein	Log2 Fold Change	Significance
siRNA-Vinblastine Run1-DMSO	NM_004808	NMT2	N-myristoyltransferase 2	4.496526	Outlier
siRNA Disorazole DMSO Run2	NM_004808	NMT2	N-myristoyltransferase 2	5.075325	Outlier
siRNA-Temozolomide Run3-DMSO	NM_006056	NMUR1	neuromedin U receptor 1	-2.029582	Inlier
siRNA Disorazole DMSO Run2	NM_006056	NMUR1	neuromedin U receptor 1	-1.88412	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006056	NMUR1	neuromedin U receptor 1	-0.371172	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006056	NMUR1	neuromedin U receptor 1	-0.230178	Inlier
siRNA Disorazole DMSO Run1	NM_006056	NMUR1	neuromedin U receptor 1	0.230178	Inlier
siRNA Disorazole DMSO Run3	NM_006056	NMUR1	neuromedin U receptor 1	0.520139	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006056	NMUR1	neuromedin U receptor 1	0.828861	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006056	NMUR1	neuromedin U receptor 1	1.060914	Inlier
siRNA Disorazole DMSO Run3	NM_020167	NMUR2	neuromedin U receptor 2	-1.172571	Inlier
siRNA-Temozolomide Run3-DMSO	NM_020167	NMUR2	neuromedin U receptor 2	-1.136104	Inlier
siRNA Disorazole DMSO Run2	NM_020167	NMUR2	neuromedin U receptor 2	-1.0694	Inlier
siRNA-Temozolomide Run1-DMSO	NM_020167	NMUR2	neuromedin U receptor 2	-0.069879	Inlier
siRNA-Temozolomide Run2-DMSO	NM_020167	NMUR2	neuromedin U receptor 2	0.069879	Inlier
siRNA Disorazole DMSO Run1	NM_020167	NMUR2	neuromedin U receptor 2	0.168682	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	Gene ID	Gene Name	Gene Description	Log2 Fold Change	Outlier Status
siRNA-Vinblastine Run1-DMSO	NM_020167	NMUR2	neuromedin U receptor 2	0.564878	Inlier
siRNA-Vinblastine Run2-DMSO	NM_020167	NMUR2	neuromedin U receptor 2	0.784122	Inlier
siRNA Disorazole DMSO Run1	NM_006169	NNMT	nicotinamide N-methyltransferase	-2.082172	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006169	NNMT	nicotinamide N-methyltransferase	-0.983632	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006169	NNMT	nicotinamide N-methyltransferase	-0.590661	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006169	NNMT	nicotinamide N-methyltransferase	-0.380841	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006169	NNMT	nicotinamide N-methyltransferase	0.380841	Inlier
siRNA Disorazole DMSO Run3	NM_006169	NNMT	nicotinamide N-methyltransferase	0.433549	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006169	NNMT	nicotinamide N-methyltransferase	0.758339	Inlier
siRNA Disorazole DMSO Run2	NM_006169	NNMT	nicotinamide N-methyltransferase	0.768313	Inlier
siRNA Disorazole DMSO Run2	NM_182977	NNT	nucleotide transhydrogenase	-1.864809	Inlier
siRNA Disorazole DMSO Run3	NM_182977	NNT	nucleotide transhydrogenase	-1.608138	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1829 77	NNT	nicotinami de nucleotide transhydro genase	-0.82892	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1829 77	NNT	nicotinami de nucleotide transhydro genase	-0.381145	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1829 77	NNT	nicotinami de nucleotide transhydro genase	0.381144	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1829 77	NNT	nicotinami de nucleotide transhydro genase	0.583937	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1829 77	NNT	nicotinami de nucleotide transhydro genase	0.642136	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1829 77	NNT	nicotinami de nucleotide transhydro genase	0.706864	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1788 44	NOD3	NOD3	-0.838116	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1788 44	NOD3	NOD3	-0.792142	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1788 44	NOD3	NOD3	-0.426726	Inlier
siRNA Disorazole DMSO Run3	NM_1788 44	NOD3	NOD3	-0.134005	Inlier
siRNA Disorazole DMSO Run2	NM_1788 44	NOD3	NOD3	0.134005	Inlier
siRNA Disorazole DMSO Run1	NM_1788 44	NOD3	NOD3	0.556857	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1788 44	NOD3	NOD3	1.69787	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1788 44	NOD3	NOD3	1.829715	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0006 20	NOS1	nitric oxide synthase 1 (neuronal)	-1.568948	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0006 20	NOS1	nitric oxide synthase 1 (neuronal)	-0.681044	Inlier
siRNA Disorazole DMSO Run1	NM_0006 20	NOS1	nitric oxide synthase 1 (neuronal)	-0.218703	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0006 20	NOS1	nitric oxide synthase 1 (neuronal)	-0.184967	Inlier
siRNA Disorazole DMSO Run3	NM_0006 20	NOS1	nitric oxide synthase 1 (neuronal)	0.184966	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0006 20	NOS1	nitric oxide synthase 1 (neuronal)	0.667956	Inlier
siRNA Disorazole DMSO Run2	NM_0006 20	NOS1	nitric oxide synthase 1 (neuronal)	2.404024	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0006 20	NOS1	nitric oxide synthase 1 (neuronal)	2.938183	Inlier
siRNA Disorazole DMSO Run3	NM_0006 25	NOS2A	nitric oxide synthase 2A (inducible, hepatocyte s)	-0.796622	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0006 25	NOS2A	nitric oxide synthase 2A (inducible, hepatocyte s)	-0.793763	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0006 25	NOS2A	nitric oxide synthase 2A (inducible, hepatocyte s)	-0.555237	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0006 25	NOS2A	nitric oxide synthase 2A (inducible, hepatocyte s)	-0.016507	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0006 25	NOS2A	nitric oxide synthase 2A (inducible, hepatocyte s)	0.016507	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0006 25	NOS2A	nitric oxide synthase 2A (inducible, hepatocyte s)	0.159692	Inlier
siRNA Disorazole DMSO Run2	NM_0006 25	NOS2A	nitric oxide synthase 2A (inducible, hepatocyte s)	1.244667	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0006 25	NOS2A	nitric oxide synthase 2A (inducible, hepatocyte s)	1.764954	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0006 03	NOS3	nitric oxide synthase 3 (endotheli al cell)	-1.395805	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0006 03	NOS3	nitric oxide synthase 3 (endotheli al cell)	-0.626234	Inlier
siRNA Disorazole DMSO Run1	NM_0006 03	NOS3	nitric oxide synthase 3 (endotheli al cell)	-0.57057	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0006 03	NOS3	nitric oxide synthase 3 (endotheli al cell)	-0.388961	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0006 03	NOS3	nitric oxide synthase 3 (endotheli al cell)	0.388961	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0006 03	NOS3	nitric oxide synthase 3 (endotheli al cell)	0.722766	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0006 03	NOS3	nitric oxide synthase 3 (endotheli al cell)	2.105604	Inlier
siRNA Disorazole DMSO Run2	NM_0006 03	NOS3	nitric oxide synthase 3 (endotheli al cell)	2.702917	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0139 54	NOX1	NADPH oxidase 1	-0.874987	Inlier
siRNA Disorazole DMSO Run1	NM_0139 54	NOX1	NADPH oxidase 1	-0.779114	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0139 54	NOX1	NADPH oxidase 1	-0.388266	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0139 54	NOX1	NADPH oxidase 1	-0.262214	Inlier
siRNA Disorazole DMSO Run3	NM_0139 54	NOX1	NADPH oxidase 1	0.262214	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Vinblastine Run1- DMSO	NM_0139 54		NADPH oxidase 1	0.569886	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0139 54	NOX1	NADPH oxidase 1	1.502549	Inlier
siRNA Disorazole DMSO Run2	NM_0139 54	NOX1	NADPH oxidase 1	2.717406	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0157 18	NOX3	NADPH oxidase 3	-1.770352	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0157 18	NOX3	NADPH oxidase 3	-0.792388	Inlier
siRNA Disorazole DMSO Run1	NM_0157 18	NOX3	NADPH oxidase 3	-0.057023	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0157 18	NOX3	NADPH oxidase 3	-0.05623	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0157 18	NOX3	NADPH oxidase 3	0.05623	Inlier
siRNA Disorazole DMSO Run3	NM_0157 18	NOX3	NADPH oxidase 3	0.556612	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0157 18	NOX3	NADPH oxidase 3	1.746958	Inlier
siRNA Disorazole DMSO Run2	NM_0157 18	NOX3	NADPH oxidase 3	2.263584	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0169 31	NOX4	NADPH oxidase 4	-0.873598	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0169 31	NOX4	NADPH oxidase 4	-0.834163	Inlier
siRNA Disorazole DMSO Run3	NM_0169 31	NOX4	NADPH oxidase 4	-0.249601	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0169 31	NOX4	NADPH oxidase 4	-0.196159	Inlier
siRNA Disorazole DMSO Run1	NM_0169 31	NOX4	NADPH oxidase 4	0.196159	Inlier
siRNA Disorazole DMSO Run2	NM_0169 31	NOX4	NADPH oxidase 4	0.514837	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0169 31	NOX4	NADPH oxidase 4	0.930216	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0169 31	NOX4	NADPH oxidase 4	1.089056	Inlier
siRNA Disorazole DMSO Run1	NM_0245 05	NOX5	NADPH oxidase, EF hand calcium- binding domain 5	-0.687787	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0245 05	NOX5	NADPH oxidase, EF hand calcium- binding domain 5	-0.661213	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_024505	NOX5	NADPH oxidase, EF hand calcium-binding domain 5	-0.345157	Inlier
siRNA-Temozolomide Run1-DMSO	NM_024505	NOX5	NADPH oxidase, EF hand calcium-binding domain 5	-0.283812	Inlier
siRNA Disorazole DMSO Run3	NM_024505	NOX5	NADPH oxidase, EF hand calcium-binding domain 5	0.283812	Inlier
siRNA-Vinblastine Run2-DMSO	NM_024505	NOX5	NADPH oxidase, EF hand calcium-binding domain 5	1.150921	Inlier
siRNA-Vinblastine Run1-DMSO	NM_024505	NOX5	NADPH oxidase, EF hand calcium-binding domain 5	1.16898	Inlier
siRNA Disorazole DMSO Run2	NM_024505	NOX5	NADPH oxidase, EF hand calcium-binding domain 5	2.141065	Inlier
siRNA Disorazole DMSO Run1	NM_000270	NP	nucleoside phosphorylase	-2.084646	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000270	NP	nucleoside phosphorylase	-1.028903	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000270	NP	nucleoside phosphorylase	-0.451884	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000270	NP	nucleoside phosphorylase	-0.092392	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0002 70	NP	nucleoside phosphorylase	0.092392	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0002 70	NP	nucleoside phosphorylase	0.669134	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0002 70	NP	nucleoside phosphorylase	0.679866	Inlier
siRNA Disorazole DMSO Run2	NM_0002 70	NP	nucleoside phosphorylase	0.700159	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0325 69	N-PAC	N-PAC	-0.974359	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0325 69	N-PAC	N-PAC	-0.928304	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0325 69	N-PAC	N-PAC	-0.420696	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0325 69	N-PAC	N-PAC	-0.212062	Inlier
siRNA Disorazole DMSO Run1	NM_0325 69	N-PAC	N-PAC	0.212062	Inlier
siRNA Disorazole DMSO Run3	NM_0325 69	N-PAC	N-PAC	0.252722	Inlier
siRNA Disorazole DMSO Run2	NM_0325 69	N-PAC	N-PAC	2.908686	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0325 69	N-PAC	N-PAC	3.719577	Outlier
siRNA-Temozolomide Run1-DMSO	NM_0002 71	NPC1	Niemann-Pick disease, type C1	-0.818191	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0002 71	NPC1	Niemann-Pick disease, type C1	-0.639803	Inlier
siRNA Disorazole DMSO Run3	NM_0002 71	NPC1	Niemann-Pick disease, type C1	-0.401038	Inlier
siRNA Disorazole DMSO Run1	NM_0002 71	NPC1	Niemann-Pick disease, type C1	-0.134778	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0002 71	NPC1	Niemann-Pick disease, type C1	0.134779	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_000271	NPC1	Niemann-Pick disease, type C1	0.709197	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000271	NPC1	Niemann-Pick disease, type C1	1.225806	Inlier
siRNA Disorazole DMSO Run2	NM_000271	NPC1	Niemann-Pick disease, type C1	2.117676	Inlier
siRNA-Temozolomide Run2-DMSO	NM_024663	NPEPL1	aminopeptidase-like 1	-0.917399	Inlier
siRNA-Temozolomide Run1-DMSO	NM_024663	NPEPL1	aminopeptidase-like 1	-0.742748	Inlier
siRNA-Temozolomide Run3-DMSO	NM_024663	NPEPL1	aminopeptidase-like 1	-0.346174	Inlier
siRNA Disorazole DMSO Run1	NM_024663	NPEPL1	aminopeptidase-like 1	-0.094123	Inlier
siRNA Disorazole DMSO Run2	NM_024663	NPEPL1	aminopeptidase-like 1	0.094123	Inlier
siRNA Disorazole DMSO Run3	NM_024663	NPEPL1	aminopeptidase-like 1	0.606252	Inlier
siRNA-Vinblastine Run2-DMSO	NM_024663	NPEPL1	aminopeptidase-like 1	0.858848	Inlier
siRNA-Vinblastine Run1-DMSO	NM_024663	NPEPL1	aminopeptidase-like 1	0.953755	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006310	NPEPPS	aminopeptidase puromycin sensitive	-3.298284	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006310	NPEPPS	aminopeptidase puromycin sensitive	-3.194868	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006310	NPEPPS	aminopeptidase puromycin sensitive	-0.708645	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0063 10	NPEPPS	aminopeptidase puromycin sensitive	-0.408359	Inlier
siRNA Disorazole DMSO Run3	NM_0063 10	NPEPPS	aminopeptidase puromycin sensitive	0.408359	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0063 10	NPEPPS	aminopeptidase puromycin sensitive	0.613842	Inlier
siRNA Disorazole DMSO Run2	NM_0063 10	NPEPPS	aminopeptidase puromycin sensitive	0.640355	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0063 10	NPEPPS	aminopeptidase puromycin sensitive	0.877419	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0046 46	NPHS1	nephrosis 1, congenital, Finnish type (nephrin)	-2.598064	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0046 46	NPHS1	nephrosis 1, congenital, Finnish type (nephrin)	-0.84993	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0046 46	NPHS1	nephrosis 1, congenital, Finnish type (nephrin)	-0.49907	Inlier
siRNA Disorazole DMSO Run1	NM_0046 46	NPHS1	nephrosis 1, congenital, Finnish type (nephrin)	-0.413342	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0046 46	NPHS1	nephrosis 1, congenital, Finnish type (nephrin)	0.413341	Inlier
siRNA Disorazole DMSO Run3	NM_0046 46	NPHS1	nephrosis 1, congenital, Finnish type (nephrin)	0.468099	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0046 46	NPHS1	nephrosis 1, congenital, Finnish type (nephrin)	1.263789	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0046 46	NPHS1	nephrosis 1, congenital, Finnish type (nephrin)	4.25308	Outlier
siRNA-Vinblastine Run2- DMSO	NM_0307 69	NPL	N- acetylneur aminate pyruvate lyase (dihydrodi picolinate synthase)	-0.696734	Inlier
siRNA Disorazole DMSO Run1	NM_0307 69	NPL	N- acetylneur aminate pyruvate lyase (dihydrodi picolinate synthase)	-0.652266	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0307 69	NPL	N- acetylneur aminate pyruvate lyase (dihydrodi picolinate synthase)	-0.299047	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Cell Line	Gene Name	Log2 Fold Change	Classification
siRNA-Temozolomide Run1-DMSO	NM_030769	NPL	N-acetylneuraminyl pyruvate lyase (dihydrodipicolinate synthase)	-0.029294	Inlier
siRNA Disorazole DMSO Run3	NM_030769	NPL	N-acetylneuraminyl pyruvate lyase (dihydrodipicolinate synthase)	0.029294	Inlier
siRNA-Temozolomide Run3-DMSO	NM_030769	NPL	N-acetylneuraminyl pyruvate lyase (dihydrodipicolinate synthase)	0.724374	Inlier
siRNA Disorazole DMSO Run2	NM_030769	NPL	N-acetylneuraminyl pyruvate lyase (dihydrodipicolinate synthase)	1.53114	Inlier
siRNA-Vinblastine Run1-DMSO	NM_030769	NPL	N-acetylneuraminyl pyruvate lyase (dihydrodipicolinate synthase)	4.739491	Outlier
siRNA-Temozolomide Run3-DMSO	NM_017921	NPL4	NPL4	-0.674918	Inlier
siRNA Disorazole DMSO Run3	NM_017921	NPL4	NPL4	-0.674082	Inlier
siRNA-Vinblastine Run2-DMSO	NM_017921	NPL4	NPL4	-0.561173	Inlier
siRNA-Temozolomide Run2-DMSO	NM_017921	NPL4	NPL4	-0.276838	Inlier
siRNA Disorazole DMSO Run1	NM_017921	NPL4	NPL4	0.276838	Inlier
siRNA-Temozolomide Run1-DMSO	NM_017921	NPL4	NPL4	1.01739	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA/Plasmid/Drug	Gene	Accession	Gene	Gene	Log2FC	Category
siRNA-Vincristine Run1	NPL4	NM_0179	NPL4	NPL4	2.354316	Inlier
DMSO	NPL4	21	NPL4	NPL4	2.354316	Inlier
siRNA Disorazole DMSO Run2	NPL4	NM_0179	NPL4	NPL4	2.558421	Inlier
siRNA-Temozolomide Run3-DMSO	NPR1	NM_000906	NPR1	natriuretic peptide receptor A/guanylate cyclase A (atriuretic peptide receptor A)	-0.746431	Inlier
siRNA-Temozolomide Run2-DMSO	NPR1	NM_000906	NPR1	natriuretic peptide receptor A/guanylate cyclase A (atriuretic peptide receptor A)	-0.602569	Inlier
siRNA Disorazole DMSO Run1	NPR1	NM_000906	NPR1	natriuretic peptide receptor A/guanylate cyclase A (atriuretic peptide receptor A)	-0.338559	Inlier
siRNA-Temozolomide Run1-DMSO	NPR1	NM_000906	NPR1	natriuretic peptide receptor A/guanylate cyclase A (atriuretic peptide receptor A)	-0.328372	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Condition	Run	Gene	Accession	Gene Name	Value	Outlier
siRNA Disorazole	DMSO	Run2	06	NM_0009	NPR1	0.328372	Inlier
siRNA-Vinblastine	DMSO	Run1-	06	NM_0009	NPR1	0.78674	Inlier
siRNA-Vinblastine	DMSO	Run2-	06	NM_0009	NPR1	0.838457	Inlier
siRNA Disorazole	DMSO	Run3	06	NM_0009	NPR1	1.117678	Inlier

natriuretic peptide receptor A/guanylate cyclase A (atriuretic peptide receptor A) natriuretic peptide receptor A/guanylate cyclase A (atriuretic peptide receptor A) natriuretic peptide receptor A/guanylate cyclase A (atriuretic peptide receptor A) natriuretic peptide receptor A/guanylate cyclase A (atriuretic peptide receptor A)

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Condition	Run	Gene	Accession	Probe	Log2FC	Outlier	Gene Description
siRNA Disorazole	DMSO	Run2	95	NM_0039	NPR2	-1.039232	Inlier	natriuretic peptide receptor B/guanylate cyclase B (atrioventricular natriuretic peptide receptor B)
siRNA-Temozolomide	Run3-DMSO	95	NM_0039	NPR2	-0.804642	Inlier	natriuretic peptide receptor B/guanylate cyclase B (atrioventricular natriuretic peptide receptor B)	
siRNA-Temozolomide	Run1-DMSO	95	NM_0039	NPR2	-0.283942	Inlier	natriuretic peptide receptor B/guanylate cyclase B (atrioventricular natriuretic peptide receptor B)	
siRNA Disorazole	DMSO	Run3	95	NM_0039	NPR2	-0.257137	Inlier	natriuretic peptide receptor B

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Value	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_003995	NPR2	natriuretic peptide receptor B/guanylate cyclase B (atrioventricular peptide receptor B)	0.257137	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003995	NPR2	natriuretic peptide receptor B/guanylate cyclase B (atrioventricular peptide receptor B)	0.646899	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003995	NPR2	natriuretic peptide receptor B/guanylate cyclase B (atrioventricular peptide receptor B)	0.702101	Inlier
siRNA Disorazole DMSO Run1	NM_003995	NPR2	natriuretic peptide receptor B	0.777352	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Gene ID	Gene Name	Log2FC	Inlier
siRNA-Temozolomide Run3-DMSO	NPR3	NM_000908	natriuretic peptide receptor C/guanylate cyclase C (atriuretic peptide receptor C)	-2.912904	Inlier
siRNA-Temozolomide Run1-DMSO	NPR3	NM_000908	natriuretic peptide receptor C/guanylate cyclase C (atriuretic peptide receptor C)	-1.480194	Inlier
siRNA-Temozolomide Run2-DMSO	NPR3	NM_000908	natriuretic peptide receptor C/guanylate cyclase C (atriuretic peptide receptor C)	-0.75874	Inlier
siRNA Disorazole DMSO Run2	NPR3	NM_000908	natriuretic peptide receptor C	-0.373698	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_000908	NPR3	natriuretic peptide receptor C/guanylate cyclase C (atriuretic peptide receptor C)	0.373698	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000908	NPR3	natriuretic peptide receptor C/guanylate cyclase C (atriuretic peptide receptor C)	0.395146	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000908	NPR3	natriuretic peptide receptor C/guanylate cyclase C (atriuretic peptide receptor C)	0.617722	Inlier
siRNA Disorazole DMSO Run3	NM_000908	NPR3	natriuretic peptide receptor C	0.731278	Inlier
siRNA-Vinblastine Run2-DMSO	NM_058178	NPTXR	neuronal pentraxin receptor	-0.699136	Inlier
siRNA-Temozolomide Run2-DMSO	NM_058178	NPTXR	neuronal pentraxin receptor	-0.649864	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

	NM_0581		neuronal		
siRNA Disorazole DMSO Run3	78	NPTXR	pentraxin	-0.384682	Inlier
			receptor		
	NM_0581		neuronal		
siRNA Disorazole DMSO Run1	78	NPTXR	pentraxin	-0.033709	Inlier
			receptor		
	NM_0581		neuronal		
siRNA-Temozolomide Run3-DMSO	78	NPTXR	pentraxin	0.033709	Inlier
			receptor		
	NM_0581		neuronal		
siRNA-Temozolomide Run1-DMSO	78	NPTXR	pentraxin	1.188637	Inlier
			receptor		
	NM_0581		neuronal		
siRNA-Vinblastine Run1-DMSO	78	NPTXR	pentraxin	1.527681	Inlier
			receptor		
	NM_0581		neuronal		
siRNA Disorazole DMSO Run2	78	NPTXR	pentraxin	2.032607	Inlier
			receptor		
	NM_0009		neuropepti		
siRNA-Temozolomide Run3-DMSO	05	NPY	de Y	-2.443898	Inlier
	NM_0009		neuropepti		
siRNA-Temozolomide Run1-DMSO	05	NPY	de Y	-0.447834	Inlier
	NM_0009		neuropepti		
siRNA-Temozolomide Run2-DMSO	05	NPY	de Y	-0.444041	Inlier
	NM_0009		neuropepti		
siRNA Disorazole DMSO Run2	05	NPY	de Y	-0.260706	Inlier
	NM_0009		neuropepti		
siRNA Disorazole DMSO Run1	05	NPY	de Y	0.260705	Inlier
	NM_0009		neuropepti		
siRNA Disorazole DMSO Run3	05	NPY	de Y	0.901165	Inlier
	NM_0009		neuropepti		
siRNA-Vinblastine Run1-DMSO	05	NPY	de Y	1.018436	Inlier
	NM_0009		neuropepti		
siRNA-Vinblastine Run2-DMSO	05	NPY	de Y	1.081604	Inlier
	NM_0009		neuropepti		
			de Y		
	NM_0009		receptor		
siRNA-Temozolomide Run3-DMSO	09	NPY1R	Y1	-1.981126	Inlier
	NM_0009		neuropepti		
			de Y		
	NM_0009		receptor		
siRNA-Temozolomide Run2-DMSO	09	NPY1R	Y1	-1.03906	Inlier
	NM_0009		neuropepti		
			de Y		
	NM_0009		receptor		
siRNA-Temozolomide Run1-DMSO	09	NPY1R	Y1	-0.978311	Inlier
	NM_0009		neuropepti		
			de Y		
	NM_0009		receptor		
siRNA Disorazole DMSO Run2	09	NPY1R	Y1	-0.044403	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein	Value	Outlier Status
siRNA Disorazole DMSO Run1	NM_000909	NPY1R	neuropeptide Y receptor Y1	0.044403	Inlier
siRNA Disorazole DMSO Run3	NM_000909	NPY1R	neuropeptide Y receptor Y1	0.230224	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000909	NPY1R	neuropeptide Y receptor Y1	0.633152	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000909	NPY1R	neuropeptide Y receptor Y1	0.715848	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000910	NPY2R	neuropeptide Y receptor Y2	-0.900126	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000910	NPY2R	neuropeptide Y receptor Y2	-0.448874	Inlier
siRNA Disorazole DMSO Run2	NM_000910	NPY2R	neuropeptide Y receptor Y2	-0.300788	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000910	NPY2R	neuropeptide Y receptor Y2	-0.142316	Inlier
siRNA Disorazole DMSO Run3	NM_000910	NPY2R	neuropeptide Y receptor Y2	0.142316	Inlier
siRNA Disorazole DMSO Run1	NM_000910	NPY2R	neuropeptide Y receptor Y2	0.952405	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000910	NPY2R	neuropeptide Y receptor Y2	1.4913	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000910	NPY2R	neuropeptide Y receptor Y2	1.499637	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006174	NPY5R	neuropeptide Y receptor Y5	-1.982362	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0061 74	NPY5R	neuropeptide Y receptor Y5	-0.244748	Inlier
siRNA Disorazole DMSO Run2	NM_0061 74	NPY5R	neuropeptide Y receptor Y5	-0.21466	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0061 74	NPY5R	neuropeptide Y receptor Y5	-0.087425	Inlier
siRNA Disorazole DMSO Run3	NM_0061 74	NPY5R	neuropeptide Y receptor Y5	0.087425	Inlier
siRNA Disorazole DMSO Run1	NM_0061 74	NPY5R	neuropeptide Y receptor Y5	1.104252	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0061 74	NPY5R	neuropeptide Y receptor Y5	1.250044	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0061 74	NPY5R	neuropeptide Y receptor Y5	1.390063	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0009 03	NQO1	NAD(P)H dehydrogenase, quinone 1	-0.747908	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0009 03	NQO1	NAD(P)H dehydrogenase, quinone 1	-0.601092	Inlier
siRNA Disorazole DMSO Run3	NM_0009 03	NQO1	NAD(P)H dehydrogenase, quinone 1	-0.393415	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0009 03	NQO1	NAD(P)H dehydrogenase, quinone 1	-0.199511	Inlier
siRNA Disorazole DMSO Run1	NM_0009 03	NQO1	NAD(P)H dehydrogenase, quinone 1	0.199511	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0009 03	NQO1	NAD(P)H dehydrogenase, quinone 1	1.108617	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_000903	NQO1	NAD(P)H dehydrogenase, quinone 1	1.172071	Inlier
siRNA Disorazole DMSO Run2	NM_000903	NQO1	NAD(P)H dehydrogenase, quinone 1	1.205516	Inlier
siRNA Disorazole DMSO Run1	NM_000904	NQO2	NAD(P)H dehydrogenase, quinone 2	-0.971186	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000904	NQO2	NAD(P)H dehydrogenase, quinone 2	-0.733191	Inlier
siRNA Disorazole DMSO Run2	NM_000904	NQO2	NAD(P)H dehydrogenase, quinone 2	-0.615809	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000904	NQO2	NAD(P)H dehydrogenase, quinone 2	-0.305876	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000904	NQO2	NAD(P)H dehydrogenase, quinone 2	0.305876	Inlier
siRNA Disorazole DMSO Run3	NM_000904	NQO2	NAD(P)H dehydrogenase, quinone 2	0.320928	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000904	NQO2	NAD(P)H dehydrogenase, quinone 2	1.252267	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000904	NQO2	NAD(P)H dehydrogenase, quinone 2	1.682246	Inlier
siRNA Disorazole DMSO Run3	NM_016243	NQO3A2	NAD(P)H:quinone oxidoreductase type 3, polypeptide A2	-0.698709	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Family	Member	Score	Category
siRNA Disorazole DMSO Run1	NM_000475	NR0B1	nuclear receptor subfamily 0, group B,	member 1	-1.993611	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000475	NR0B1	nuclear receptor subfamily 0, group B,	member 1	-0.757126	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000475	NR0B1	nuclear receptor subfamily 0, group B,	member 1	-0.082214	Inlier
siRNA Disorazole DMSO Run2	NM_000475	NR0B1	nuclear receptor subfamily 0, group B,	member 1	-0.070003	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000475	NR0B1	nuclear receptor subfamily 0, group B,	member 1	0.070003	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000475	NR0B1	nuclear receptor subfamily 0, group B,	member 1	0.591874	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000475	NR0B1	nuclear receptor subfamily 0, group B,	member 1	1.546628	Inlier
siRNA Disorazole DMSO Run3	NM_000475	NR0B1	nuclear receptor subfamily 0, group B,	member 1	8.578998	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Accession	Gene Name	Log Fold Change	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_021969	NR0B2	nuclear receptor subfamily 0, group B, member 2	-1.317173	Inlier
siRNA-Temozolomide Run2-DMSO	NM_021969	NR0B2	nuclear receptor subfamily 0, group B, member 2	-0.771956	Inlier
siRNA Disorazole DMSO Run2	NM_021969	NR0B2	nuclear receptor subfamily 0, group B, member 2	-0.240825	Inlier
siRNA Disorazole DMSO Run1	NM_021969	NR0B2	nuclear receptor subfamily 0, group B, member 2	-0.142273	Inlier
siRNA-Temozolomide Run1-DMSO	NM_021969	NR0B2	nuclear receptor subfamily 0, group B, member 2	0.142273	Inlier
siRNA Disorazole DMSO Run3	NM_021969	NR0B2	nuclear receptor subfamily 0, group B, member 2	0.577044	Inlier
siRNA-Vinblastine Run1-DMSO	NM_021969	NR0B2	nuclear receptor subfamily 0, group B, member 2	0.965734	Inlier
siRNA-Vinblastine Run2-DMSO	NM_021969	NR0B2	nuclear receptor subfamily 0, group B, member 2	0.982887	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Gene ID	Gene Description	Log Fold Change	Classification
siRNA Disorazole DMSO Run1	NM_0217	24	NR1D1	nuclear receptor subfamily 1, group D, member 1	-1.596804	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0217	24	NR1D1	nuclear receptor subfamily 1, group D, member 1	-0.686715	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0217	24	NR1D1	nuclear receptor subfamily 1, group D, member 1	-0.636739	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0217	24	NR1D1	nuclear receptor subfamily 1, group D, member 1	-0.070418	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0217	24	NR1D1	nuclear receptor subfamily 1, group D, member 1	0.070417	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0217	24	NR1D1	nuclear receptor subfamily 1, group D, member 1	0.662285	Inlier
siRNA Disorazole DMSO Run2	NM_0217	24	NR1D1	nuclear receptor subfamily 1, group D, member 1	1.493891	Inlier
siRNA Disorazole DMSO Run3	NM_0217	24	NR1D1	nuclear receptor subfamily 1, group D, member 1	10.00396	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Gene ID	Gene Description	Log2 Fold Change	Classification
siRNA Disorazole DMSO Run1	NM_0051	26	NR1D2	nuclear receptor subfamily 1, group D, member 2	-1.131685	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0051	26	NR1D2	nuclear receptor subfamily 1, group D, member 2	-1.045461	Inlier
siRNA Disorazole DMSO Run2	NM_0051	26	NR1D2	nuclear receptor subfamily 1, group D, member 2	-0.384953	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0051	26	NR1D2	nuclear receptor subfamily 1, group D, member 2	-0.08297	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0051	26	NR1D2	nuclear receptor subfamily 1, group D, member 2	0.08297	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0051	26	NR1D2	nuclear receptor subfamily 1, group D, member 2	0.168756	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0051	26	NR1D2	nuclear receptor subfamily 1, group D, member 2	0.964047	Inlier
siRNA Disorazole DMSO Run3	NM_0051	26	NR1D2	nuclear receptor subfamily 1, group D, member 2	12.39063	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Gene ID	Gene Description	Log Fold Change	Outlier Status
siRNA Disorazole DMSO Run3	NM_0071	21	NR1H2	nuclear receptor subfamily 1, group H, member 2	-2.858093	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0071	21	NR1H2	nuclear receptor subfamily 1, group H, member 2	-1.12522	Inlier
siRNA Disorazole DMSO Run2	NM_0071	21	NR1H2	nuclear receptor subfamily 1, group H, member 2	-1.017219	Inlier
siRNA Disorazole DMSO Run1	NM_0071	21	NR1H2	nuclear receptor subfamily 1, group H, member 2	-0.306336	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0071	21	NR1H2	nuclear receptor subfamily 1, group H, member 2	0.306335	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0071	21	NR1H2	nuclear receptor subfamily 1, group H, member 2	0.399906	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0071	21	NR1H2	nuclear receptor subfamily 1, group H, member 2	0.662879	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0071	21	NR1H2	nuclear receptor subfamily 1, group H, member 2	0.686121	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log Fold Change	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_005693	NR1H3	nuclear receptor subfamily 1, group H, member 3	-1.787696	Inlier
siRNA Disorazole DMSO Run2	NM_005693	NR1H3	nuclear receptor subfamily 1, group H, member 3	-0.674113	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005693	NR1H3	nuclear receptor subfamily 1, group H, member 3	-0.502263	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005693	NR1H3	nuclear receptor subfamily 1, group H, member 3	-0.159172	Inlier
siRNA Disorazole DMSO Run1	NM_005693	NR1H3	nuclear receptor subfamily 1, group H, member 3	0.159173	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005693	NR1H3	nuclear receptor subfamily 1, group H, member 3	0.674887	Inlier
siRNA Disorazole DMSO Run3	NM_005693	NR1H3	nuclear receptor subfamily 1, group H, member 3	1.044451	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005693	NR1H3	nuclear receptor subfamily 1, group H, member 3	1.14803	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Accession	Gene Name	Log Fold Change	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_005123	NR1H4	nuclear receptor subfamily 1, group H, member 4	-1.553528	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005123	NR1H4	nuclear receptor subfamily 1, group H, member 4	-1.066595	Inlier
siRNA Disorazole DMSO Run2	NM_005123	NR1H4	nuclear receptor subfamily 1, group H, member 4	-0.607853	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005123	NR1H4	nuclear receptor subfamily 1, group H, member 4	-0.011659	Inlier
siRNA Disorazole DMSO Run1	NM_005123	NR1H4	nuclear receptor subfamily 1, group H, member 4	0.011659	Inlier
siRNA Disorazole DMSO Run3	NM_005123	NR1H4	nuclear receptor subfamily 1, group H, member 4	0.392013	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005123	NR1H4	nuclear receptor subfamily 1, group H, member 4	0.741147	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005123	NR1H4	nuclear receptor subfamily 1, group H, member 4	1.200028	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0330 13	NR112	nuclear receptor subfamily 1, group I, member 2	-3.518012	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0330 13	NR112	nuclear receptor subfamily 1, group I, member 2	-0.839342	Inlier
siRNA Disorazole DMSO Run1	NM_0330 13	NR112	nuclear receptor subfamily 1, group I, member 2	-0.788276	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0330 13	NR112	nuclear receptor subfamily 1, group I, member 2	-0.01385	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0330 13	NR112	nuclear receptor subfamily 1, group I, member 2	0.013851	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0330 13	NR112	nuclear receptor subfamily 1, group I, member 2	0.203189	Inlier
siRNA Disorazole DMSO Run2	NM_0330 13	NR112	nuclear receptor subfamily 1, group I, member 2	0.560724	Inlier
siRNA Disorazole DMSO Run3	NM_0330 13	NR112	nuclear receptor subfamily 1, group I, member 2	3.884427	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0051 22	NR113	nuclear receptor subfamily 1, group I, member 3	-1.534134	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0051 22	NR113	nuclear receptor subfamily 1, group I, member 3	-0.913281	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0051 22	NR1I3	nuclear receptor subfamily 1, group I, member 3	-0.775848	Inlier
siRNA Disorazole DMSO Run1	NM_0051 22	NR1I3	nuclear receptor subfamily 1, group I, member 3	-0.169655	Inlier
siRNA Disorazole DMSO Run2	NM_0051 22	NR1I3	nuclear receptor subfamily 1, group I, member 3	0.169655	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0051 22	NR1I3	nuclear receptor subfamily 1, group I, member 3	0.419279	Inlier
siRNA Disorazole DMSO Run3	NM_0051 22	NR1I3	nuclear receptor subfamily 1, group I, member 3	0.573152	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0051 22	NR1I3	nuclear receptor subfamily 1, group I, member 3	0.913719	Inlier
siRNA Disorazole DMSO Run2	NM_0032 97	NR2C1	nuclear receptor subfamily 2, group C, member 1	-2.648729	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0032 97	NR2C1	nuclear receptor subfamily 2, group C, member 1	-1.125603	Inlier
siRNA Disorazole DMSO Run1	NM_0032 97	NR2C1	nuclear receptor subfamily 2, group C, member 1	-0.398052	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0032 97	NR2C1	nuclear receptor subfamily 2, group C, member 1	-0.279691	Inlier
siRNA Disorazole DMSO Run3	NM_0032 97	NR2C1	nuclear receptor subfamily 2, group C, member 1	0.279691	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0032 97	NR2C1	nuclear receptor subfamily 2, group C, member 1	0.58386	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0032 97	NR2C1	nuclear receptor subfamily 2, group C, member 1	0.76514	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0032 97	NR2C1	nuclear receptor subfamily 2, group C, member 1	0.810732	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0032 98	NR2C2	nuclear receptor subfamily 2, group C, member 2	-0.810365	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0032 98	NR2C2	nuclear receptor subfamily 2, group C, member 2	-0.794186	Inlier
siRNA Disorazole DMSO Run1	NM_0032 98	NR2C2	nuclear receptor subfamily 2, group C, member 2	-0.401527	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Accession	Family	Value	Category
siRNA-Temozolomide Run2-DMSO	NM_003298	NR2C2	nuclear receptor subfamily 2, group C, member 2	-0.172274	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003298	NR2C2	nuclear receptor subfamily 2, group C, member 2	0.172274	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003298	NR2C2	nuclear receptor subfamily 2, group C, member 2	0.554814	Inlier
siRNA Disorazole DMSO Run3	NM_003298	NR2C2	nuclear receptor subfamily 2, group C, member 2	1.156464	Inlier
siRNA Disorazole DMSO Run2	NM_003298	NR2C2	nuclear receptor subfamily 2, group C, member 2	1.319214	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003269	NR2E1	nuclear receptor subfamily 2, group E, member 1	-3.494742	Inlier
siRNA Disorazole DMSO Run1	NM_003269	NR2E1	nuclear receptor subfamily 2, group E, member 1	-0.64574	Inlier
siRNA Disorazole DMSO Run2	NM_003269	NR2E1	nuclear receptor subfamily 2, group E, member 1	-0.506155	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Value	Category
siRNA-Temozolomide Run2-DMSO	NM_003269	NR2E1	nuclear receptor subfamily 2, group E, member 1	-0.20727	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003269	NR2E1	nuclear receptor subfamily 2, group E, member 1	0.20727	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003269	NR2E1	nuclear receptor subfamily 2, group E, member 1	0.70326	Inlier
siRNA Disorazole DMSO Run3	NM_003269	NR2E1	nuclear receptor subfamily 2, group E, member 1	1.042141	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003269	NR2E1	nuclear receptor subfamily 2, group E, member 1	1.048438	Inlier
siRNA-Temozolomide Run3-DMSO	NM_016346	NR2E3	nuclear receptor subfamily 2, group E, member 3	-1.17522	Inlier
siRNA Disorazole DMSO Run1	NM_016346	NR2E3	nuclear receptor subfamily 2, group E, member 3	-0.683695	Inlier
siRNA-Temozolomide Run1-DMSO	NM_016346	NR2E3	nuclear receptor subfamily 2, group E, member 3	-0.665305	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0163 46	NR2E3	nuclear receptor subfamily 2, group E, member 3	-0.359331 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0163 46	NR2E3	nuclear receptor subfamily 2, group E, member 3	0.359331 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0163 46	NR2E3	nuclear receptor subfamily 2, group E, member 3	0.658655 Inlier
siRNA Disorazole DMSO Run2	NM_0163 46	NR2E3	nuclear receptor subfamily 2, group E, member 3	2.21698 Inlier
siRNA Disorazole DMSO Run3	NM_0163 46	NR2E3	nuclear receptor subfamily 2, group E, member 3	2.217442 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0056 54	NR2F1	nuclear receptor subfamily 2, group F, member 1	-4.626852 Outlier
siRNA-Temozolomide Run2-DMSO	NM_0056 54	NR2F1	nuclear receptor subfamily 2, group F, member 1	-1.744323 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0056 54	NR2F1	nuclear receptor subfamily 2, group F, member 1	-1.65571 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0056 54	NR2F1	nuclear receptor subfamily 2, group F, member 1	-0.25256 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0056 54	NR2F1	nuclear receptor subfamily 2, group F, member 1	0.25256 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0056 54	NR2F1	nuclear receptor subfamily 2, group F, member 1	0.355091 Inlier
siRNA Disorazole DMSO Run2	NM_0056 54	NR2F1	nuclear receptor subfamily 2, group F, member 1	0.535506 Inlier
siRNA Disorazole DMSO Run3	NM_0056 54	NR2F1	nuclear receptor subfamily 2, group F, member 1	0.813494 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0210 05	NR2F2	nuclear receptor subfamily 2, group F, member 2	-0.821628 Inlier
siRNA Disorazole DMSO Run1	NM_0210 05	NR2F2	nuclear receptor subfamily 2, group F, member 2	-0.591334 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0210 05	NR2F2	nuclear receptor subfamily 2, group F, member 2	-0.076285 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_021005	NR2F2	nuclear receptor subfamily 2, group F, member 2	-0.008241	Inlier
siRNA-Vinblastine Run2-DMSO	NM_021005	NR2F2	nuclear receptor subfamily 2, group F, member 2	0.008241	Inlier
siRNA-Vinblastine Run1-DMSO	NM_021005	NR2F2	nuclear receptor subfamily 2, group F, member 2	0.757666	Inlier
siRNA Disorazole DMSO Run2	NM_021005	NR2F2	nuclear receptor subfamily 2, group F, member 2	2.218818	Inlier
siRNA Disorazole DMSO Run3	NM_021005	NR2F2	nuclear receptor subfamily 2, group F, member 2	4.054045	Outlier
siRNA Disorazole DMSO Run2	NM_005234	NR2F6	nuclear receptor subfamily 2, group F, member 6	-0.935824	Inlier
siRNA Disorazole DMSO Run1	NM_005234	NR2F6	nuclear receptor subfamily 2, group F, member 6	-0.800052	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005234	NR2F6	nuclear receptor subfamily 2, group F, member 6	-0.496598	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0052 34	NR2F6	nuclear receptor subfamily 2, group F, member 6	-0.280027 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0052 34	NR2F6	nuclear receptor subfamily 2, group F, member 6	0.280026 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0052 34	NR2F6	nuclear receptor subfamily 2, group F, member 6	0.662707 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0052 34	NR2F6	nuclear receptor subfamily 2, group F, member 6	0.686293 Inlier
siRNA Disorazole DMSO Run3	NM_0052 34	NR2F6	nuclear receptor subfamily 2, group F, member 6	4.772815 Outlier
siRNA-Temozolomide Run3-DMSO	NM_0001 76	NR3C1	nuclear receptor subfamily 3, group C, member 1 (glucocorticoid receptor)	-1.634724 Inlier
siRNA Disorazole DMSO Run2	NM_0001 76	NR3C1	nuclear receptor subfamily 3, group C, member 1 (glucocorticoid receptor)	-1.248278 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_000176	NR3C1	nuclear receptor subfamily 3, group C, member 1 (glucocorticoid receptor)	-0.501334	Inlier
siRNA Disorazole DMSO Run1	NM_000176	NR3C1	nuclear receptor subfamily 3, group C, member 1 (glucocorticoid receptor)	-0.008126	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000176	NR3C1	nuclear receptor subfamily 3, group C, member 1 (glucocorticoid receptor)	0.008125	Inlier
siRNA Disorazole DMSO Run3	NM_000176	NR3C1	nuclear receptor subfamily 3, group C, member 1 (glucocorticoid receptor)	0.503655	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000176	NR3C1	nuclear receptor subfamily 3, group C, member 1 (glucocorticoid receptor)	0.845345	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Symbol	Gene Description	Log Fold Change	Outlier Status
siRNA-Vinblastine Run1-DMSO	NM_000176	NR3C1	nuclear receptor subfamily 3, group C, member 1 (glucocorticoid receptor)	1.088659	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000901	NR3C2	nuclear receptor subfamily 3, group C, member 2	-1.453597	Inlier
siRNA Disorazole DMSO Run1	NM_000901	NR3C2	nuclear receptor subfamily 3, group C, member 2	-0.917221	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000901	NR3C2	nuclear receptor subfamily 3, group C, member 2	-0.604203	Inlier
siRNA Disorazole DMSO Run2	NM_000901	NR3C2	nuclear receptor subfamily 3, group C, member 2	-0.192018	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000901	NR3C2	nuclear receptor subfamily 3, group C, member 2	0.192019	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000901	NR3C2	nuclear receptor subfamily 3, group C, member 2	0.311912	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000901	NR3C2	nuclear receptor subfamily 3, group C, member 2	0.744797	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Run	Gene	Accession	Family	Score	Outlier
siRNA Disorazole DMSO	Run3	NR3C2	NM_000901	nuclear receptor subfamily 3, group C, member 2	2.859452	Inlier
siRNA-Temozolomide DMSO	Run3	NR4A1	NM_002135	nuclear receptor subfamily 4, group A, member 1	-1.406781	Inlier
siRNA Disorazole DMSO	Run2	NR4A1	NM_002135	nuclear receptor subfamily 4, group A, member 1	-0.714014	Inlier
siRNA Disorazole DMSO	Run1	NR4A1	NM_002135	nuclear receptor subfamily 4, group A, member 1	-0.634986	Inlier
siRNA-Temozolomide DMSO	Run2	NR4A1	NM_002135	nuclear receptor subfamily 4, group A, member 1	-0.168502	Inlier
siRNA-Temozolomide DMSO	Run1	NR4A1	NM_002135	nuclear receptor subfamily 4, group A, member 1	0.168502	Inlier
siRNA-Vinblastine DMSO	Run2	NR4A1	NM_002135	nuclear receptor subfamily 4, group A, member 1	0.602801	Inlier
siRNA-Vinblastine DMSO	Run1	NR4A1	NM_002135	nuclear receptor subfamily 4, group A, member 1	1.261631	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0021 35	NR4A1	nuclear receptor subfamily 4, group A, member 1	2.073534	Inlier
siRNA Disorazole DMSO Run1	NM_1731 72	NR4A2	nuclear receptor subfamily 4, group A, member 2	-1.443272	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1731 72	NR4A2	nuclear receptor subfamily 4, group A, member 2	-1.14724	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1731 72	NR4A2	nuclear receptor subfamily 4, group A, member 2	-0.20176	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1731 72	NR4A2	nuclear receptor subfamily 4, group A, member 2	-0.086776	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1731 72	NR4A2	nuclear receptor subfamily 4, group A, member 2	0.086777	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1731 72	NR4A2	nuclear receptor subfamily 4, group A, member 2	0.122496	Inlier
siRNA Disorazole DMSO Run2	NM_1731 72	NR4A2	nuclear receptor subfamily 4, group A, member 2	3.458993	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Accession	Family	Score	Category
siRNA Disorazole DMSO Run3	NM_173172	NR4A2	nuclear receptor subfamily 4, group A, member 2	4.728052	Outlier
siRNA Disorazole DMSO Run1	NM_173200	NR4A3	nuclear receptor subfamily 4, group A, member 3	-2.476501	Inlier
siRNA-Temozolomide Run3-DMSO	NM_173200	NR4A3	nuclear receptor subfamily 4, group A, member 3	-1.730971	Inlier
siRNA-Vinblastine Run1-DMSO	NM_173200	NR4A3	nuclear receptor subfamily 4, group A, member 3	-0.842519	Inlier
siRNA-Temozolomide Run1-DMSO	NM_173200	NR4A3	nuclear receptor subfamily 4, group A, member 3	-0.343753	Inlier
siRNA-Temozolomide Run2-DMSO	NM_173200	NR4A3	nuclear receptor subfamily 4, group A, member 3	0.343758	Inlier
siRNA Disorazole DMSO Run2	NM_173200	NR4A3	nuclear receptor subfamily 4, group A, member 3	0.379711	Inlier
siRNA-Vinblastine Run2-DMSO	NM_173200	NR4A3	nuclear receptor subfamily 4, group A, member 3	0.506481	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Family	Member	Value	Category
siRNA Disorazole DMSO Run3	NM_1732	00	NR4A3	member 3	17.25158	Outlier
siRNA Disorazole DMSO Run2	NM_0049	59	NR5A1	member 1	-1.591082	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0049	59	NR5A1	member 1	-1.033367	Inlier
siRNA Disorazole DMSO Run1	NM_0049	59	NR5A1	member 1	-0.703639	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0049	59	NR5A1	member 1	-0.021603	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0049	59	NR5A1	member 1	0.021603	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0049	59	NR5A1	member 1	0.472557	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0049	59	NR5A1	member 1	0.645361	Inlier

nuclear
receptor
subfamily
4, group
A,

nuclear
receptor
subfamily
5, group
A,

nuclear
receptor
subfamily
5, group
A,

nuclear
receptor
subfamily
5, group
A,

nuclear
receptor
subfamily
5, group
A,

nuclear
receptor
subfamily
5, group
A,

nuclear
receptor
subfamily
5, group
A,

nuclear
receptor
subfamily
5, group
A,

member 1

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0049 59	NR5A1	nuclear receptor subfamily 5, group A, member 1	1.175892	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0038 22	NR5A2	nuclear receptor subfamily 5, group A, member 2	-2.378392	Inlier
siRNA Disorazole DMSO Run2	NM_0038 22	NR5A2	nuclear receptor subfamily 5, group A, member 2	-0.785714	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0038 22	NR5A2	nuclear receptor subfamily 5, group A, member 2	-0.563286	Inlier
siRNA Disorazole DMSO Run1	NM_0038 22	NR5A2	nuclear receptor subfamily 5, group A, member 2	-0.054393	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0038 22	NR5A2	nuclear receptor subfamily 5, group A, member 2	0.054393	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0038 22	NR5A2	nuclear receptor subfamily 5, group A, member 2	0.26135	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0038 22	NR5A2	nuclear receptor subfamily 5, group A, member 2	0.926793	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Log Fold Change	Category
siRNA Disorazole DMSO Run3	NM_0038 22	NR5A2	1.959221	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0014 89	NR6A1	-1.983422	Inlier
siRNA Disorazole DMSO Run2	NM_0014 89	NR6A1	-1.622142	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0014 89	NR6A1	-0.722293	Inlier
siRNA Disorazole DMSO Run1	NM_0014 89	NR6A1	-0.155692	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0014 89	NR6A1	0.155692	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0014 89	NR6A1	0.203933	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0014 89	NR6A1	0.626707	Inlier

nuclear
receptor
subfamily
5, group
A,

member 2

nuclear
receptor
subfamily
6, group
A,

member 1

nuclear
receptor
subfamily
6, group
A,

member 1

nuclear
receptor
subfamily
6, group
A,

member 1

nuclear
receptor
subfamily
6, group
A,

member 1

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0014 89	NR6A1	nuclear receptor subfamily 6, group A, member 1	1.179753	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0025 24	NRAS	neuroblast oma RAS viral (v- ras) oncogene homolog	-2.93668	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0025 24	NRAS	neuroblast oma RAS viral (v- ras) oncogene homolog	-0.552127	Inlier
siRNA Disorazole DMSO Run1	NM_0025 24	NRAS	neuroblast oma RAS viral (v- ras) oncogene homolog	-0.299881	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0025 24	NRAS	neuroblast oma RAS viral (v- ras) oncogene homolog	-0.111319	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0025 24	NRAS	neuroblast oma RAS viral (v- ras) oncogene homolog	0.111319	Inlier
siRNA Disorazole DMSO Run3	NM_0025 24	NRAS	neuroblast oma RAS viral (v- ras) oncogene homolog	0.796873	Inlier
siRNA Disorazole DMSO Run2	NM_0025 24	NRAS	oncogene homolog	2.706306	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_002524	NRAS	neuroblastoma RAS viral (v-ras) oncogene homolog nuclear receptor binding protein	2.766797	Inlier
siRNA-Temozolomide Run3-DMSO	NM_013392	NRBP	nuclear receptor binding protein	-0.684094	Inlier
siRNA Disorazole DMSO Run2	NM_013392	NRBP	nuclear receptor binding protein	-0.664906	Inlier
siRNA Disorazole DMSO Run3	NM_013392	NRBP	nuclear receptor binding protein	-0.376625	Inlier
siRNA-Temozolomide Run2-DMSO	NM_013392	NRBP	nuclear receptor binding protein	-0.230508	Inlier
siRNA-Temozolomide Run1-DMSO	NM_013392	NRBP	nuclear receptor binding protein	0.230508	Inlier
siRNA Disorazole DMSO Run1	NM_013392	NRBP	nuclear receptor binding protein	0.705341	Inlier
siRNA-Vinblastine Run1-DMSO	NM_013392	NRBP	nuclear receptor binding protein	1.199394	Inlier
siRNA-Vinblastine Run2-DMSO	NM_013392	NRBP	nuclear receptor binding protein nardilysin (N-arginine dibasic convertase)	1.205223	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002525	NRD1	nardilysin (N-arginine dibasic convertase)	-1.281439	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002525	NRD1	nardilysin (N-arginine dibasic convertase)	-0.854949	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0025 25	NRD1	nardilysin (N-arginine dibasic convertase)	-0.3704	Inlier
siRNA Disorazole DMSO Run1	NM_0025 25	NRD1	nardilysin (N-arginine dibasic convertase)	-0.359623	Inlier
siRNA Disorazole DMSO Run2	NM_0025 25	NRD1	nardilysin (N-arginine dibasic convertase)	0.359624	Inlier
siRNA Disorazole DMSO Run3	NM_0025 25	NRD1	nardilysin (N-arginine dibasic convertase)	0.494051	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0025 25	NRD1	nardilysin (N-arginine dibasic convertase)	1.015903	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0025 25	NRD1	nardilysin (N-arginine dibasic convertase)	1.255476	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0061 76	NRGN	neurogranin (protein kinase C substrate, RC3)	-1.198805	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0061 76	NRGN	neurogranin (protein kinase C substrate, RC3)	-0.709607	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0061 76	NRGN	neurogranin (protein kinase C substrate, RC3)	-0.471154	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0061 76	NRGN	neurogranin (protein kinase C substrate, RC3)	-0.251865	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0061 76	NRGN	neurogranin (protein kinase C substrate, RC3)	0.251866	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0061 76	NRGN	neurogranin (protein kinase C substrate, RC3)	0.639393	Inlier
siRNA Disorazole DMSO Run3	NM_0061 76	NRGN	neurogranin (protein kinase C substrate, RC3)	2.585593	Inlier
siRNA Disorazole DMSO Run2	NM_0061 76	NRGN	neurogranin (protein kinase C substrate, RC3)	3.279869	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0034 89	NRIP1	nuclear receptor interacting protein 1	-1.219745	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0034 89	NRIP1	nuclear receptor interacting protein 1	-1.096374	Inlier
siRNA Disorazole DMSO Run2	NM_0034 89	NRIP1	nuclear receptor interacting protein 1	-0.570878	Inlier
siRNA Disorazole DMSO Run1	NM_0034 89	NRIP1	nuclear receptor interacting protein 1	-0.125999	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0034 89	NRIP1	nuclear receptor interacting protein 1	0.125999	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0034 89	NRIP1	nuclear receptor interacting protein 1	0.41866 Inlier
siRNA Disorazole DMSO Run3	NM_0034 89	NRIP1	nuclear receptor interacting protein 1	0.778122 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0034 89	NRIP1	nuclear receptor interacting protein 1	1.494849 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0314 74	NRIP2	nuclear receptor interacting protein 2	-1.437688 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0314 74	NRIP2	nuclear receptor interacting protein 2	-0.829911 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0314 74	NRIP2	nuclear receptor interacting protein 2	-0.339618 Inlier
siRNA Disorazole DMSO Run1	NM_0314 74	NRIP2	nuclear receptor interacting protein 2	-0.249851 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0314 74	NRIP2	nuclear receptor interacting protein 2	0.249851 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0314 74	NRIP2	nuclear receptor interacting protein 2	0.519089 Inlier
siRNA Disorazole DMSO Run2	NM_0314 74	NRIP2	nuclear receptor interacting protein 2	1.944639 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0314 74	NRIP2	nuclear receptor interacting protein 2	2.853148	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1984 65	NRK	Nik related kinase	-1.261482	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1984 65	NRK	Nik related kinase	-1.087375	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1984 65	NRK	Nik related kinase	-0.660847	Inlier
siRNA Disorazole DMSO Run3	NM_1984 65	NRK	Nik related kinase	-0.045709	Inlier
siRNA Disorazole DMSO Run1	NM_1984 65	NRK	Nik related kinase	0.045709	Inlier
siRNA Disorazole DMSO Run2	NM_1984 65	NRK	Nik related kinase	0.482656	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1984 65	NRK	Nik related kinase	0.688153	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1984 65	NRK	Nik related kinase	1.76409	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0038 73	NRP1	neuropilin 1	-1.598619	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0038 73	NRP1	neuropilin 1	-0.493028	Inlier
siRNA Disorazole DMSO Run1	NM_0038 73	NRP1	neuropilin 1	-0.165451	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0038 73	NRP1	neuropilin 1	-0.081836	Inlier
siRNA Disorazole DMSO Run3	NM_0038 73	NRP1	neuropilin 1	0.081836	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0038 73	NRP1	neuropilin 1	0.855972	Inlier
siRNA Disorazole DMSO Run2	NM_0038 73	NRP1	neuropilin 1	0.947438	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0038 73	NRP1	neuropilin 1	1.20295	Inlier
siRNA-Temozolomide Run3- DMSO	NM_2012 64	NRP2	neuropilin 2	-1.64515	Inlier
siRNA Disorazole DMSO Run1	NM_2012 64	NRP2	neuropilin 2	-0.694135	Inlier
siRNA-Temozolomide Run2- DMSO	NM_2012 64	NRP2	neuropilin 2	-0.654865	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Temozolomide Run1- DMSO	NM_2012 64	NRP2	neuropilin 2	-0.287982	Inlier
siRNA Disorazole DMSO Run3	NM_2012 64	NRP2	neuropilin 2	0.287982	Inlier
siRNA-Vinblastine Run2- DMSO	NM_2012 64	NRP2	neuropilin 2	0.537824	Inlier
siRNA Disorazole DMSO Run2	NM_2012 64	NRP2	neuropilin 2	1.380702	Inlier
siRNA-Vinblastine Run1- DMSO	NM_2012 64	NRP2	neuropilin 2	1.675512	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1818 06	NRPS998	NRPS998	-0.972508	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1818 06	NRPS998	NRPS998	-0.791513	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1818 06	NRPS998	NRPS998	-0.557487	Inlier
siRNA Disorazole DMSO Run2	NM_1818 06	NRPS998	NRPS998	-0.02283	Inlier
siRNA Disorazole DMSO Run1	NM_1818 06	NRPS998	NRPS998	0.02283	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1818 06	NRPS998	NRPS998	0.469329	Inlier
siRNA Disorazole DMSO Run3	NM_1818 06	NRPS998	NRPS998	0.810783	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1818 06	NRPS998	NRPS998	1.247366	Inlier
siRNA Disorazole DMSO Run1	NM_1723 49	NSD1	nuclear receptor binding SET domain protein 1	-0.868561	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1723 49	NSD1	nuclear receptor binding SET domain protein 1	-0.480439	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1723 49	NSD1	nuclear receptor binding SET domain protein 1	-0.257579	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1723 49	NSD1	domain protein 1	-0.163482	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_1723 49	NSD1	nuclear receptor binding SET domain protein 1	0.163483	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1723 49	NSD1	nuclear receptor binding SET domain protein 1	1.297086	Inlier
siRNA Disorazole DMSO Run2	NM_1723 49	NSD1	nuclear receptor binding SET domain protein 1	1.601748	Inlier
siRNA Disorazole DMSO Run3	NM_1723 49	NSD1	nuclear receptor binding SET domain protein 1	1.826033	Inlier
siRNA Disorazole DMSO Run2	NM_0159 22	NSDHL	NAD(P) dependent steroid dehydroge nase-like	-1.236105	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0159 22	NSDHL	NAD(P) dependent steroid dehydroge nase-like	-0.680214	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0159 22	NSDHL	NAD(P) dependent steroid dehydroge nase-like	-0.668786	Inlier
siRNA Disorazole DMSO Run1	NM_0159 22	NSDHL	NAD(P) dependent steroid dehydroge nase-like	-0.009164	Inlier
siRNA Disorazole DMSO Run3	NM_0159 22	NSDHL	NAD(P) dependent steroid dehydroge nase-like	0.009165	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0159 22	NSDHL	NAD(P) dependent steroid dehydroge nase-like	0.525216	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0159 22	NSDHL	NAD(P) dependent steroid dehydroge nase-like	1.0311	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0159 22	NSDHL	NAD(P) dependent steroid dehydroge nase-like	1.354464	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0061 78	NSF	N- ethylmalei mide- sensitive factor	-0.992455	Inlier
siRNA Disorazole DMSO Run1	NM_0061 78	NSF	N- ethylmalei mide- sensitive factor	-0.497266	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0061 78	NSF	N- ethylmalei mide- sensitive factor	-0.293146	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0061 78	NSF	N- ethylmalei mide- sensitive factor	-0.186966	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0061 78	NSF	N- ethylmalei mide- sensitive factor	0.186965	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0061 78	NSF	N- ethylmalei mide- sensitive factor	0.851734	Inlier
siRNA Disorazole DMSO Run3	NM_0061 78	NSF	N- ethylmalei mide- sensitive factor	0.95568	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log2 Fold Change	Outlier Status
siRNA Disorazole DMSO Run2	NM_0061 78	NSF	N-ethylmaleimide-sensitive factor	1.987761	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1825 43	NSUN6	NOL1/NO P2/Sun domain family, member 6	-1.119952	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1825 43	NSUN6	NOL1/NO P2/Sun domain family, member 6	-1.039899	Inlier
siRNA Disorazole DMSO Run1	NM_1825 43	NSUN6	NOL1/NO P2/Sun domain family, member 6	-0.309101	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1825 43	NSUN6	NOL1/NO P2/Sun domain family, member 6	-0.141831	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1825 43	NSUN6	NOL1/NO P2/Sun domain family, member 6	0.141831	Inlier
siRNA Disorazole DMSO Run3	NM_1825 43	NSUN6	NOL1/NO P2/Sun domain family, member 6	0.267019	Inlier
siRNA Disorazole DMSO Run2	NM_1825 43	NSUN6	NOL1/NO P2/Sun domain family, member 6	2.994752	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1825 43	NSUN6	NOL1/NO P2/Sun domain family, member 6	4.856696	Outlier
siRNA-Vinblastine Run2-DMSO	NM_0325 26	NT5C1A	5-nucleotidase, cytosolic	-0.991497	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0325 26	NT5C1A	5-nucleotidase, cytosolic IA	-0.728323	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0325 26	NT5C1A	5-nucleotidase, cytosolic IA	-0.428311	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0325 26	NT5C1A	5-nucleotidase, cytosolic IA	-0.01707	Inlier
siRNA Disorazole DMSO Run1	NM_0325 26	NT5C1A	5-nucleotidase, cytosolic IA	0.01707	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0325 26	NT5C1A	5-nucleotidase, cytosolic IA	0.620677	Inlier
siRNA Disorazole DMSO Run2	NM_0325 26	NT5C1A	5-nucleotidase, cytosolic IA	0.924851	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0325 26	NT5C1A	5-nucleotidase, cytosolic IA	1.403797	Inlier
siRNA Disorazole DMSO Run3	NM_0332 53	NT5C1B	5-nucleotidase, cytosolic IB	-0.994146	Inlier
siRNA Disorazole DMSO Run1	NM_0332 53	NT5C1B	5-nucleotidase, cytosolic IB	-0.954174	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0332 53	NT5C1B	5-nucleotidase, cytosolic IB	-0.444552	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0332 53	NT5C1B	5-nucleotidase, cytosolic IB	-0.063176	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0332 53	NT5C1B	5-nucleotidase, cytosolic IB	0.063175	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0332 53	NT5C1B	5-nucleotidase, cytosolic IB	0.166976	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0332 53	NT5C1B	5-nucleotidase, cytosolic IB	0.904448	Inlier
siRNA Disorazole DMSO Run2	NM_0332 53	NT5C1B	5-nucleotidase, cytosolic IB	3.052276	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0122 29	NT5C2	5-nucleotidase, cytosolic II	-1.310172	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0122 29	NT5C2	5-nucleotidase, cytosolic II	-1.179021	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0122 29	NT5C2	5-nucleotidase, cytosolic II	-0.256209	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0122 29	NT5C2	5-nucleotidase, cytosolic II	-0.02729	Inlier
siRNA Disorazole DMSO Run1	NM_0122 29	NT5C2	5-nucleotidase, cytosolic II	0.02729	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0122 29	NT5C2	5- nucleotida se, cytosolic II	0.345357	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0122 29	NT5C2	5- nucleotida se, cytosolic II	1.003643	Inlier
siRNA Disorazole DMSO Run2	NM_0122 29	NT5C2	5- nucleotida se, cytosolic II	1.826141	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0025 26	NT5E	5- nucleotida se, ecto (CD73)	-1.212524	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0025 26	NT5E	5- nucleotida se, ecto (CD73)	-0.787219	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0025 26	NT5E	5- nucleotida se, ecto (CD73)	-0.561781	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0025 26	NT5E	5- nucleotida se, ecto (CD73)	-0.2291	Inlier
siRNA Disorazole DMSO Run2	NM_0025 26	NT5E	5- nucleotida se, ecto (CD73)	0.2291	Inlier
siRNA Disorazole DMSO Run3	NM_0025 26	NT5E	5- nucleotida se, ecto (CD73)	0.236964	Inlier
siRNA Disorazole DMSO Run1	NM_0025 26	NT5E	5- nucleotida se, ecto (CD73)	5.069636	Outlier
siRNA-Temozolomide Run1- DMSO	NM_0025 26	NT5E	5- nucleotida se, ecto (CD73)	5.803801	Outlier
siRNA-Vinblastine Run2- DMSO	NM_0067 02	NTE	NTE	-0.934746	Inlier
siRNA Disorazole DMSO Run3	NM_0067 02	NTE	NTE	-0.673751	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Temozolomide Run2-DMSO	NM_006702	NTE	NTE	-0.56217	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006702	NTE	NTE	-0.38632	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006702	NTE	NTE	0.38632	Inlier
siRNA Disorazole DMSO Run2	NM_006702	NTE	NTE	0.675249	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006702	NTE	NTE	1.305554	Inlier
siRNA Disorazole DMSO Run1	NM_006702	NTE	NTE	1.486119	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002528	NTHL1	endonuclease III-like 1 (E. coli)	-1.085079	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002528	NTHL1	endonuclease III-like 1 (E. coli)	-0.911176	Inlier
siRNA Disorazole DMSO Run3	NM_002528	NTHL1	endonuclease III-like 1 (E. coli)	-0.379842	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002528	NTHL1	endonuclease III-like 1 (E. coli)	-0.013747	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002528	NTHL1	endonuclease III-like 1 (E. coli)	0.013747	Inlier
siRNA Disorazole DMSO Run1	NM_002528	NTHL1	endonuclease III-like 1 (E. coli)	0.437824	Inlier
siRNA Disorazole DMSO Run2	NM_002528	NTHL1	endonuclease III-like 1 (E. coli)	1.125358	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002528	NTHL1	endonuclease III-like 1 (E. coli)	1.660267	Inlier
siRNA Disorazole DMSO Run2	NM_002529	NTRK1	neurotrophic tyrosine kinase, receptor, type 1	-0.694363	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0025 29	NTRK1	neurotrophic tyrosine kinase, receptor, type 1	-0.654637	Inlier
siRNA Disorazole DMSO Run3	NM_0025 29	NTRK1	neurotrophic tyrosine kinase, receptor, type 1	-0.172817	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0025 29	NTRK1	neurotrophic tyrosine kinase, receptor, type 1	-0.074202	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0025 29	NTRK1	neurotrophic tyrosine kinase, receptor, type 1	0.074202	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0025 29	NTRK1	neurotrophic tyrosine kinase, receptor, type 1	0.988971	Inlier
siRNA Disorazole DMSO Run1	NM_0025 29	NTRK1	neurotrophic tyrosine kinase, receptor, type 1	1.053818	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0025 29	NTRK1	neurotrophic tyrosine kinase, receptor, type 1	1.869749	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 07097	NTRK2	neurotrophic tyrosine kinase, receptor, type 2	-1.787237	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0010 07097	NTRK2	neurotroph ic tyrosine kinase, receptor, type 2	-1.16285 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0010 07097	NTRK2	neurotroph ic tyrosine kinase, receptor, type 2	-0.979735 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0010 07097	NTRK2	neurotroph ic tyrosine kinase, receptor, type 2	-0.150862 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0010 07097	NTRK2	neurotroph ic tyrosine kinase, receptor, type 2	0.150862 Inlier
siRNA Disorazole DMSO Run1	NM_0010 07097	NTRK2	neurotroph ic tyrosine kinase, receptor, type 2	0.325488 Inlier
siRNA Disorazole DMSO Run3	NM_0010 07097	NTRK2	neurotroph ic tyrosine kinase, receptor, type 2	0.369265 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0010 07097	NTRK2	neurotroph ic tyrosine kinase, receptor, type 2	2.439032 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0025 30	NTRK3	neurotroph ic tyrosine kinase, receptor, type 3	-1.391511 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_002530	NTRK3	neurotrophic tyrosine kinase, receptor, type 3	-1.222959	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002530	NTRK3	neurotrophic tyrosine kinase, receptor, type 3	-0.710422	Inlier
siRNA Disorazole DMSO Run2	NM_002530	NTRK3	neurotrophic tyrosine kinase, receptor, type 3	-0.074911	Inlier
siRNA Disorazole DMSO Run1	NM_002530	NTRK3	neurotrophic tyrosine kinase, receptor, type 3	0.074912	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002530	NTRK3	neurotrophic tyrosine kinase, receptor, type 3	0.547578	Inlier
siRNA Disorazole DMSO Run3	NM_002530	NTRK3	neurotrophic tyrosine kinase, receptor, type 3	0.638578	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002530	NTRK3	neurotrophic tyrosine kinase, receptor, type 3	1.463087	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006183	NTS	neurotensin	-0.863622	Inlier
siRNA Disorazole DMSO Run3	NM_006183	NTS	neurotensin	-0.744114	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006183	NTS	neurotensin	-0.604886	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006183	NTS	neurotensin	-0.372595	Inlier
siRNA Disorazole DMSO Run1	NM_006183	NTS	neurotensin	0.372595	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Temozolomide Run1- DMSO	NM_0061 83	NTS	neurotensin	0.593553	Inlier
siRNA Disorazole DMSO Run2	NM_0061 83	NTS	neurotensin	1.190384	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0061 83	NTS	neurotensin	2.625466	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0025 31	NTSR1	neurotensin receptor 1 (high affinity)	-1.717104	Inlier
siRNA Disorazole DMSO Run2	NM_0025 31	NTSR1	neurotensin receptor 1 (high affinity)	-1.628066	Inlier
siRNA Disorazole DMSO Run3	NM_0025 31	NTSR1	neurotensin receptor 1 (high affinity)	-0.034798	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0025 31	NTSR1	neurotensin receptor 1 (high affinity)	-0.025151	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0025 31	NTSR1	neurotensin receptor 1 (high affinity)	0.025152	Inlier
siRNA Disorazole DMSO Run1	NM_0025 31	NTSR1	neurotensin receptor 1 (high affinity)	0.140924	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0025 31	NTSR1	neurotensin receptor 1 (high affinity)	1.208076	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0025 31	NTSR1	neurotensin receptor 1 (high affinity)	1.849761	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0123 44	NTSR2	neurotensin receptor 2	-2.708658	Inlier
siRNA Disorazole DMSO Run2	NM_0123 44	NTSR2	neurotensin receptor 2	-0.696862	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0123 44	NTSR2	neurotensin receptor 2	-0.466466	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0123 44	NTSR2	neurotensin receptor 2	-0.441304	Inlier
siRNA Disorazole DMSO Run3	NM_0123 44	NTSR2	neurotensin receptor 2	0.441304	Inlier
siRNA Disorazole DMSO Run1	NM_0123 44	NTSR2	neurotensin receptor 2	0.652138	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0123 44	NTSR2	neurotensin receptor 2	0.874618	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0123 44	NTSR2	neurotensin receptor 2	0.893067	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1989 48	NUDT1	nudix (nucleoside diphosphate linked moiety X)-type motif 1	-1.435398	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1989 48	NUDT1	nudix (nucleoside diphosphate linked moiety X)-type motif 1	-0.7944	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1989 48	NUDT1	nudix (nucleoside diphosphate linked moiety X)-type motif 1	-0.285393	Inlier
siRNA Disorazole DMSO Run1	NM_1989 48	NUDT1	nudix (nucleoside diphosphate linked moiety X)-type motif 1	-0.200872	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_1989 48	NUDT1	nudix (nucleosid e diphospha te linked moiety X)- type motif 1	0.200872	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1989 48	NUDT1	nudix (nucleosid e diphospha te linked moiety X)- type motif 1	0.5546	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1989 48	NUDT1	nudix (nucleosid e diphospha te linked moiety X)- type motif 1	1.047215	Inlier
siRNA Disorazole DMSO Run2	NM_1989 48	NUDT1	nudix (nucleosid e diphospha te linked moiety X)- type motif 1	1.535682	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1775 33	NUDT14	nudix (nucleosid e diphospha te linked moiety X)- type motif 14	-0.932098	Inlier
siRNA Disorazole DMSO Run3	NM_1775 33	NUDT14	nudix (nucleosid e diphospha te linked moiety X)- type motif 14	-0.657431	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log Fold Change	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_177533	NUDT14	nudix (nucleoside diphosphate linked moiety X)-type motif 14	-0.608421	Inlier
siRNA-Temozolomide Run3-DMSO	NM_177533	NUDT14	nudix (nucleoside diphosphate linked moiety X)-type motif 14	-0.47395	Inlier
siRNA-Temozolomide Run1-DMSO	NM_177533	NUDT14	nudix (nucleoside diphosphate linked moiety X)-type motif 14	0.47395	Inlier
siRNA Disorazole DMSO Run1	NM_177533	NUDT14	nudix (nucleoside diphosphate linked moiety X)-type motif 14	0.691569	Inlier
siRNA Disorazole DMSO Run2	NM_177533	NUDT14	nudix (nucleoside diphosphate linked moiety X)-type motif 14	1.263357	Inlier
siRNA-Vinblastine Run1-DMSO	NM_177533	NUDT14	nudix (nucleoside diphosphate linked moiety X)-type motif 14	1.969139	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_1471 73	NUDT2	nudix (nucleosid e diphospha te linked moiety X)- type motif 2	-0.741339	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1471 73	NUDT2	nudix (nucleosid e diphospha te linked moiety X)- type motif 2	-0.663141	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1471 73	NUDT2	nudix (nucleosid e diphospha te linked moiety X)- type motif 2	-0.115017	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1471 73	NUDT2	nudix (nucleosid e diphospha te linked moiety X)- type motif 2	-0.108002	Inlier
siRNA Disorazole DMSO Run3	NM_1471 73	NUDT2	nudix (nucleosid e diphospha te linked moiety X)- type motif 2	0.108002	Inlier
siRNA Disorazole DMSO Run1	NM_1471 73	NUDT2	nudix (nucleosid e diphospha te linked moiety X)- type motif 2	0.685859	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_1471 73	NUDT2	nudix (nucleosid e diphospha te linked moiety X)- type motif 2	0.843995	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1471 73	NUDT2	nudix (nucleosid e diphospha te linked moiety X)- type motif 2	1.53992	Inlier
siRNA Disorazole DMSO Run3	NM_0067 03	NUDT3	nudix (nucleosid e diphospha te linked moiety X)- type motif 3	-0.745988	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0067 03	NUDT3	nudix (nucleosid e diphospha te linked moiety X)- type motif 3	-0.603012	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0067 03	NUDT3	nudix (nucleosid e diphospha te linked moiety X)- type motif 3	-0.048355	Inlier
siRNA Disorazole DMSO Run1	NM_0067 03	NUDT3	nudix (nucleosid e diphospha te linked moiety X)- type motif 3	-0.020969	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_006703	NUDT3	nudix (nucleoside diphosphate linked moiety X)-type motif 3	0.020969	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006703	NUDT3	nudix (nucleoside diphosphate linked moiety X)-type motif 3	0.998625	Inlier
siRNA Disorazole DMSO Run2	NM_006703	NUDT3	nudix (nucleoside diphosphate linked moiety X)-type motif 3	1.303002	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006703	NUDT3	nudix (nucleoside diphosphate linked moiety X)-type motif 3	1.427803	Inlier
siRNA-Vinblastine Run2-DMSO	NM_199040	NUDT4	nudix (nucleoside diphosphate linked moiety X)-type motif 4	-1.232127	Inlier
siRNA-Temozolomide Run2-DMSO	NM_199040	NUDT4	nudix (nucleoside diphosphate linked moiety X)-type motif 4	-1.0037	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Condition	Run	Gene	Value	Outlier
siRNA Disorazole	DMSO	Run3	NUDT4	-0.404836	Inlier
siRNA-Temozolomide	DMSO	Run1	NUDT4	-0.364696	Inlier
siRNA Disorazole	DMSO	Run1	NUDT4	0.364696	Inlier
siRNA-Temozolomide	DMSO	Run3	NUDT4	0.43203	Inlier
siRNA-Vinblastine	DMSO	Run1	NUDT4	0.91697	Inlier
siRNA Disorazole	DMSO	Run2	NUDT4	1.528757	Inlier

nudix
(nucleosid
e
diphospha
te linked
moiety X)-
type motif
4
nudix
(nucleosid
e
diphospha
te linked
moiety X)-
type motif
4
nudix
(nucleosid
e
diphospha
te linked
moiety X)-
type motif
4
nudix
(nucleosid
e
diphospha
te linked
moiety X)-
type motif
4
nudix
(nucleosid
e
diphospha
te linked
moiety X)-
type motif
4

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0141 42	NUDT5	nudix (nucleosid e diphospha te linked moiety X)- type motif 5	0.650642	Inlier
siRNA Disorazole DMSO Run2	NM_0141 42	NUDT5	nudix (nucleosid e diphospha te linked moiety X)- type motif 5	1.072793	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1980 41	NUDT6	nudix (nucleosid e diphospha te linked moiety X)- type motif 6	-1.494536	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1980 41	NUDT6	nudix (nucleosid e diphospha te linked moiety X)- type motif 6	-1.201006	Inlier
siRNA Disorazole DMSO Run3	NM_1980 41	NUDT6	nudix (nucleosid e diphospha te linked moiety X)- type motif 6	-0.145748	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1980 41	NUDT6	nudix (nucleosid e diphospha te linked moiety X)- type motif 6	-0.128744	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Value	Category
siRNA-Temozolomide Run2-DMSO	NM_198041	NUDT6	0.128744	Inlier
siRNA Disorazole DMSO Run1	NM_198041	NUDT6	0.147994	Inlier
siRNA-Vinblastine Run1-DMSO	NM_198041	NUDT6	3.513813	Outlier
siRNA Disorazole DMSO Run2	NM_198041	NUDT6	4.865986	Outlier
siRNA Disorazole DMSO Run3	NM_198038	NUDT9	-1.936431	Inlier
siRNA-Temozolomide Run2-DMSO	NM_198038	NUDT9	-0.85389	Inlier

nudix
(nucleosid
e
diphospha
te linked
moiety X)-
type motif
6

nudix
(nucleosid
e
diphospha
te linked
moiety X)-
type motif
6

nudix
(nucleosid
e
diphospha
te linked
moiety X)-
type motif
6

nudix
(nucleosid
e
diphospha
te linked
moiety X)-
type motif
6

nudix
(nucleosid
e
diphospha
te linked
moiety X)-
type motif
9

nudix
(nucleosid
e
diphospha
te linked
moiety X)-
type motif
9

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_198038	NUDT9	nudix (nucleoside diphosphate linked moiety X)-type motif 9	-0.390624	Inlier
siRNA-Vinblastine Run1-DMSO	NM_198038	NUDT9	nudix (nucleoside diphosphate linked moiety X)-type motif 9	-0.055511	Inlier
siRNA Disorazole DMSO Run1	NM_198038	NUDT9	nudix (nucleoside diphosphate linked moiety X)-type motif 9	0.055511	Inlier
siRNA Disorazole DMSO Run2	NM_198038	NUDT9	nudix (nucleoside diphosphate linked moiety X)-type motif 9	0.49511	Inlier
siRNA-Temozolomide Run1-DMSO	NM_198038	NUDT9	nudix (nucleoside diphosphate linked moiety X)-type motif 9	1.428323	Inlier
siRNA-Vinblastine Run2-DMSO	NM_198038	NUDT9	nucleoporin 153kDa	2.055571	Inlier
siRNA Disorazole DMSO Run2	NM_005124	NUP153	nucleoporin 153kDa	-0.990065	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005124	NUP153	nucleoporin 153kDa	-0.464095	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Temozolomide Run2- DMSO	NM_0051 24	NUP153	nucleopori n 153kDa	-0.207428	Inlier
siRNA Disorazole DMSO Run1	NM_0051 24	NUP153	nucleopori n 153kDa	-0.078249	Inlier
siRNA Disorazole DMSO Run3	NM_0051 24	NUP153	nucleopori n 153kDa	0.078249	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0051 24	NUP153	nucleopori n 153kDa	0.884905	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0051 24	NUP153	nucleopori n 153kDa	0.896774	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0051 24	NUP153	nucleopori n 153kDa	1.236075	Inlier
siRNA-Temozolomide Run2- DMSO	NM_2068 40	NVL	nuclear VCP-like	-0.688406	Inlier
siRNA-Temozolomide Run3- DMSO	NM_2068 40	NVL	nuclear VCP-like	-0.660594	Inlier
siRNA Disorazole DMSO Run3	NM_2068 40	NVL	nuclear VCP-like	-0.477417	Inlier
siRNA-Vinblastine Run2- DMSO	NM_2068 40	NVL	nuclear VCP-like	-0.448955	Inlier
siRNA-Temozolomide Run1- DMSO	NM_2068 40	NVL	nuclear VCP-like	0.448955	Inlier
siRNA Disorazole DMSO Run1	NM_2068 40	NVL	nuclear VCP-like	0.850173	Inlier
siRNA Disorazole DMSO Run2	NM_2068 40	NVL	nuclear VCP-like	1.052075	Inlier
siRNA-Vinblastine Run1- DMSO	NM_2068 40	NVL	nuclear VCP-like	1.753539	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0220 52	NXF3	nuclear RNA export factor 3	-0.924498	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0220 52	NXF3	nuclear RNA export factor 3	-0.424502	Inlier
siRNA Disorazole DMSO Run1	NM_0220 52	NXF3	nuclear RNA export factor 3	-0.355817	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0220 52	NXF3	nuclear RNA export factor 3	-0.306989	Inlier
siRNA Disorazole DMSO Run3	NM_0220 52	NXF3	nuclear RNA export factor 3	0.306989	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0220 52	NXF3	nuclear RNA export factor 3	0.972481	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Gene ID	Gene Name	Log Fold Change	Outlier Status
siRNA-Vinblastine Run1-DMSO	NXF3	NM_0220 52	nuclear RNA export factor 3	1.011675	Inlier
siRNA Disorazole DMSO Run2	NXF3	NM_0220 52	nuclear RNA export factor 3	1.167464	Inlier
siRNA-Temozolomide Run3-DMSO	NYD-SP25	NM_0335 16	NYD-SP25	-1.396758	Inlier
siRNA-Temozolomide Run1-DMSO	NYD-SP25	NM_0335 16	NYD-SP25	-0.974425	Inlier
siRNA-Temozolomide Run2-DMSO	NYD-SP25	NM_0335 16	NYD-SP25	-0.527399	Inlier
siRNA Disorazole DMSO Run2	NYD-SP25	NM_0335 16	NYD-SP25	-0.170121	Inlier
siRNA Disorazole DMSO Run1	NYD-SP25	NM_0335 16	NYD-SP25	0.170121	Inlier
siRNA Disorazole DMSO Run3	NYD-SP25	NM_0335 16	NYD-SP25	0.586587	Inlier
siRNA-Vinblastine Run2-DMSO	NYD-SP25	NM_0335 16	NYD-SP25	0.762413	Inlier
siRNA-Vinblastine Run1-DMSO	NYD-SP25	NM_0335 16	NYD-SP25	0.817363	Inlier
siRNA Disorazole DMSO Run1	OAS1	NM_0168 16	2,5-oligoadeny late synthetase 1, 40/46kDa	-2.754405	Inlier
siRNA-Temozolomide Run2-DMSO	OAS1	NM_0168 16	2,5-oligoadeny late synthetase 1, 40/46kDa	-0.889784	Inlier
siRNA-Vinblastine Run2-DMSO	OAS1	NM_0168 16	2,5-oligoadeny late synthetase 1, 40/46kDa	-0.165132	Inlier
siRNA-Temozolomide Run3-DMSO	OAS1	NM_0168 16	2,5-oligoadeny late synthetase 1, 40/46kDa	-0.141178	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0168 16	OAS1	2,5-oligoadeny late synthetase 1, 40/46kDa	0.141178	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0168 16	OAS1	2,5-oligoadeny late synthetase 1, 40/46kDa	0.459216	Inlier
siRNA Disorazole DMSO Run2	NM_0168 16	OAS1	2,5-oligoadeny late synthetase 1, 40/46kDa	0.981369	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0168 16	OAS1	2-5-oligoadeny late synthetase 1, 40/46kDa	2.762263	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0025 35	OAS2	2-5-oligoadeny late synthetase 2, 69/71kDa	-0.952704	Inlier
siRNA Disorazole DMSO Run1	NM_0025 35	OAS2	2-5-oligoadeny late synthetase 2, 69/71kDa	-0.508203	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0025 35	OAS2	2-5-oligoadeny late synthetase 2, 69/71kDa	-0.276242	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0025 35	OAS2	2-5-oligoadeny late synthetase 2, 69/71kDa	-0.034546	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0025 35	OAS2	2-5-oligoadeny late synthetase 2, 69/71kDa	0.034545	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0025 35	OAS2	2-5-oligoadeny late synthetase 2, 69/71kDa	0.840797	Inlier
siRNA Disorazole DMSO Run2	NM_0025 35	OAS2	2-5-oligoadeny late synthetase 2, 69/71kDa	1.249765	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0025 35	OAS2	2-5-oligoadeny late synthetase 2, 69/71kDa	1.911742	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0061 87	OAS3	2-5-oligoadeny late synthetase 3, 100kDa	-0.757841	Inlier
siRNA Disorazole DMSO Run1	NM_0061 87	OAS3	2-5-oligoadeny late synthetase 3, 100kDa	-0.745212	Inlier
siRNA Disorazole DMSO Run3	NM_0061 87	OAS3	2-5-oligoadeny late synthetase 3, 100kDa	-0.461125	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0061 87	OAS3	2-5-oligoadeny late synthetase 3, 100kDa	-0.049081	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0061 87	OAS3	2-5-oligoadeny late synthetase 3, 100kDa	0.049081 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0061 87	OAS3	2-5-oligoadeny late synthetase 3, 100kDa	0.603788 Inlier
siRNA Disorazole DMSO Run2	NM_0061 87	OAS3	2-5-oligoadeny late synthetase 3, 100kDa	0.824971 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0061 87	OAS3	2-5-oligoadeny late synthetase 3, 100kDa	1.295426 Inlier
siRNA Disorazole DMSO Run1	NM_1982 13	OASL	2-5-oligoadeny late synthetase-like	-1.702906 Inlier
siRNA-Temozolomide Run3-DMSO	NM_1982 13	OASL	2-5-oligoadeny late synthetase-like	-0.910941 Inlier
siRNA-Temozolomide Run1-DMSO	NM_1982 13	OASL	2-5-oligoadeny late synthetase-like	-0.438059 Inlier
siRNA-Vinblastine Run2-DMSO	NM_1982 13	OASL	2-5-oligoadeny late synthetase-like	-0.228265 Inlier
siRNA Disorazole DMSO Run3	NM_1982 13	OASL	2-5-oligoadeny late synthetase-like	0.228265 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_1982 13	OASL	2-5-oligoadeny late synthetase-like	0.393832	Inlier
siRNA Disorazole DMSO Run2	NM_1982 13	OASL	2-5-oligoadeny late synthetase-like	1.932574	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1982 13	OASL	2-5-oligoadeny late synthetase-like	3.348157	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0002 74	OAT	ornithine aminotransferase (gyrate atrophy)	-0.918139	Inlier
siRNA Disorazole DMSO Run1	NM_0002 74	OAT	ornithine aminotransferase (gyrate atrophy)	-0.850743	Inlier
siRNA Disorazole DMSO Run3	NM_0002 74	OAT	ornithine aminotransferase (gyrate atrophy)	-0.668706	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0002 74	OAT	ornithine aminotransferase (gyrate atrophy)	-0.31865	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0002 74	OAT	ornithine aminotransferase (gyrate atrophy)	0.31865	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0002 74	OAT	ornithine aminotransferase (gyrate atrophy)	0.416987	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0002 74	OAT	ornithine aminotransferase (gyrate atrophy)	0.680294	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0002 74	OAT	ornithine aminotran sferase (gyrate atrophy)	0.715614	Inlier
siRNA-Temozolomide Run3- DMSO	XM_04702 5	OATL1	ornithine aminotran sferase- like 1	-0.705565	Inlier
siRNA-Temozolomide Run2- DMSO	XM_04702 5	OATL1	ornithine aminotran sferase- like 1	-0.643435	Inlier
siRNA-Temozolomide Run1- DMSO	XM_04702 5	OATL1	ornithine aminotran sferase- like 1	-0.262588	Inlier
siRNA Disorazole DMSO Run3	XM_04702 5	OATL1	ornithine aminotran sferase- like 1	-0.010269	Inlier
siRNA Disorazole DMSO Run1	XM_04702 5	OATL1	ornithine aminotran sferase- like 1	0.010269	Inlier
siRNA-Vinblastine Run2- DMSO	XM_04702 5	OATL1	ornithine aminotran sferase- like 1	0.776414	Inlier
siRNA-Vinblastine Run1- DMSO	XM_04702 5	OATL1	ornithine aminotran sferase- like 1	2.137088	Inlier
siRNA Disorazole DMSO Run2	XM_04702 5	OATL1	ornithine aminotran sferase- like 1	2.207609	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0041 52	OAZ1	ornithine decarboxyl ase antizyme 1	-0.926389	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0041 52	OAZ1	ornithine decarboxyl ase antizyme 1	-0.809776	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0041 52	OAZ1	ornithine decarboxyl ase antizyme 1	-0.167361	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0041 52	OAZ1	ornithine decarboxyl ase antizyme 1	-0.146062	Inlier
siRNA Disorazole DMSO Run1	NM_0041 52	OAZ1	ornithine decarboxyl ase antizyme 1	0.146062	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0041 52	OAZ1	ornithine decarboxyl ase antizyme 1	0.539223	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0041 52	OAZ1	ornithine decarboxyl ase antizyme 1	5.447915	Outlier
siRNA Disorazole DMSO Run2	NM_0041 52	OAZ1	ornithine decarboxyl ase antizyme 1	5.679163	Outlier
siRNA-Temozolomide Run3- DMSO	NM_0025 37	OAZ2	ornithine decarboxyl ase antizyme 2	-3.59279	Outlier
siRNA-Temozolomide Run2- DMSO	NM_0025 37	OAZ2	ornithine decarboxyl ase antizyme 2	-2.409549	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0025 37	OAZ2	ornithine decarboxyl ase antizyme 2	-0.943616	Inlier
siRNA Disorazole DMSO Run2	NM_0025 37	OAZ2	ornithine decarboxyl ase antizyme 2	-0.259719	Inlier
siRNA Disorazole DMSO Run1	NM_0025 37	OAZ2	ornithine decarboxyl ase antizyme 2	0.259719	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0025 37	OAZ2	ornithine decarboxyl ase antizyme 2	0.263602	Inlier
siRNA Disorazole DMSO Run3	NM_0025 37	OAZ2	ornithine decarboxyl ase antizyme 2	0.405384	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0025 37	OAZ2	ornithine decarboxyl ase antizyme 2	1.851463	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0161 78	OAZ3	ornithine decarboxyl ase antizyme 3	-1.401522	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0161 78	OAZ3	ornithine decarboxyl ase antizyme 3	-0.968416	Inlier
siRNA Disorazole DMSO Run3	NM_0161 78	OAZ3	ornithine decarboxyl ase antizyme 3	-0.380584	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0161 78	OAZ3	ornithine decarboxyl ase antizyme 3	-0.192053	Inlier
siRNA Disorazole DMSO Run1	NM_0161 78	OAZ3	ornithine decarboxyl ase antizyme 3	0.192053	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0161 78	OAZ3	ornithine decarboxyl ase antizyme 3	0.192957	Inlier
siRNA Disorazole DMSO Run2	NM_0161 78	OAZ3	ornithine decarboxyl ase antizyme 3	1.047742	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_016178	OAZ3	ornithine decarboxylase antizyme 3	1.930742	Inlier
siRNA-Temozolomide Run3-DMSO	NM_148174	OAZIN	ornithine decarboxylase antizyme inhibitor	-2.316039	Inlier
siRNA-Temozolomide Run2-DMSO	NM_148174	OAZIN	ornithine decarboxylase antizyme inhibitor	-1.034198	Inlier
siRNA-Temozolomide Run1-DMSO	NM_148174	OAZIN	ornithine decarboxylase antizyme inhibitor	-0.243088	Inlier
siRNA Disorazole DMSO Run3	NM_148174	OAZIN	ornithine decarboxylase antizyme inhibitor	-0.044196	Inlier
siRNA-Vinblastine Run2-DMSO	NM_148174	OAZIN	ornithine decarboxylase antizyme inhibitor	0.044196	Inlier
siRNA Disorazole DMSO Run1	NM_148174	OAZIN	ornithine decarboxylase antizyme inhibitor	0.314802	Inlier
siRNA Disorazole DMSO Run2	NM_148174	OAZIN	ornithine decarboxylase antizyme inhibitor	2.30895	Inlier
siRNA-Vinblastine Run1-DMSO	NM_148174	OAZIN	odorant binding protein 2A	3.133978	Inlier
siRNA Disorazole DMSO Run1	NM_014582	OBP2A	odorant binding protein 2A	-1.238788	Inlier
siRNA-Temozolomide Run2-DMSO	NM_014582	OBP2A	odorant binding protein 2A	-0.828864	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology					
siRNA-Temozolomide Run1-DMSO	NM_0145 82	OBP2A	odorant binding protein 2A	-0.520136	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0145 82	OBP2A	odorant binding protein 2A	-0.203269	Inlier
siRNA Disorazole DMSO Run3	NM_0145 82	OBP2A	odorant binding protein 2A	0.20327	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0145 82	OBP2A	odorant binding protein 2A	0.44723	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0145 82	OBP2A	odorant binding protein 2A	1.079203	Inlier
siRNA Disorazole DMSO Run2	NM_0145 82	OBP2A	odorant binding protein 2A	1.393378	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0145 81	OBP2B	odorant binding protein 2B	-0.924459	Inlier
siRNA Disorazole DMSO Run1	NM_0145 81	OBP2B	odorant binding protein 2B	-0.903765	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0145 81	OBP2B	odorant binding protein 2B	-0.445235	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0145 81	OBP2B	odorant binding protein 2B	-0.140993	Inlier
siRNA Disorazole DMSO Run3	NM_0145 81	OBP2B	odorant binding protein 2B	0.140993	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0145 81	OBP2B	odorant binding protein 2B	0.25718	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0145 81	OBP2B	odorant binding protein 2B	1.573414	Inlier
siRNA Disorazole DMSO Run2	NM_0145 81	OBP2B	odorant binding protein 2B	2.05989	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0175 26	OBRGRP	leptin receptor overlapping transcript	-0.966817	Inlier
siRNA Disorazole DMSO Run1	NM_0175 26	OBRGRP	leptin receptor overlapping transcript	-0.883964	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			leptin receptor overlapping transcript	
siRNA Disorazole DMSO Run3	NM_0175 26	OBRGRP	leptin receptor overlapping transcript	-0.326143 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0175 26	OBRGRP	leptin receptor overlapping transcript	-0.193986 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0175 26	OBRGRP	leptin receptor overlapping transcript	0.193986 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0175 26	OBRGRP	leptin receptor overlapping transcript	0.465036 Inlier
siRNA Disorazole DMSO Run2	NM_0175 26	OBRGRP	leptin receptor overlapping transcript	0.963985 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0175 26	OBRGRP	leptin receptor overlapping transcript	0.967913 Inlier
siRNA-Temozolomide Run3-DMSO	XM_07027 7	OC90	otoconin 90	-1.291696 Inlier
siRNA-Temozolomide Run2-DMSO	XM_07027 7	OC90	otoconin 90	-0.581498 Inlier
siRNA-Vinblastine Run2-DMSO	XM_07027 7	OC90	otoconin 90	-0.145673 Inlier
siRNA Disorazole DMSO Run3	XM_07027 7	OC90	otoconin 90	-0.125329 Inlier
siRNA-Temozolomide Run1-DMSO	XM_07027 7	OC90	otoconin 90	0.125329 Inlier
siRNA Disorazole DMSO Run1	XM_07027 7	OC90	otoconin 90	0.767502 Inlier
siRNA Disorazole DMSO Run2	XM_07027 7	OC90	otoconin 90	1.203248 Inlier
siRNA-Vinblastine Run1-DMSO	XM_07027 7	OC90	otoconin 90	1.414573 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0015 87	OCRL	oculocerebrorenal syndrome of Lowe	-0.917633 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0015 87	OCRL	oculocere brorenal syndrome of Lowe	-0.752234	Inlier
siRNA Disorazole DMSO Run3	NM_0015 87	OCRL	oculocere brorenal syndrome of Lowe	-0.438262	Inlier
siRNA Disorazole DMSO Run2	NM_0015 87	OCRL	oculocere brorenal syndrome of Lowe	-0.392538	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0015 87	OCRL	oculocere brorenal syndrome of Lowe	0.392538	Inlier
siRNA Disorazole DMSO Run1	NM_0015 87	OCRL	oculocere brorenal syndrome of Lowe	0.596766	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0015 87	OCRL	oculocere brorenal syndrome of Lowe	0.983254	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0015 87	OCRL	oculocere brorenal syndrome of Lowe	1.212484	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0025 39	ODC1	ornithine decarboxyl ase 1	-1.419743	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0025 39	ODC1	ornithine decarboxyl ase 1	-0.928169	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0025 39	ODC1	ornithine decarboxyl ase 1	-0.420831	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0025 39	ODC1	ornithine decarboxyl ase 1	-0.171488	Inlier
siRNA Disorazole DMSO Run3	NM_0025 39	ODC1	ornithine decarboxyl ase 1	0.171488	Inlier
siRNA Disorazole DMSO Run1	NM_0025 39	ODC1	ornithine decarboxyl ase 1	0.26414	Inlier
siRNA Disorazole DMSO Run2	NM_0025 39	ODC1	ornithine decarboxyl ase 1	1.830644	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0025 39	ODC1	ornithine decarboxyl ase 1	2.153772	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0529 98	ODC-p	arginine decarboxyl ase	-1.329927	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0529 98	ODC-p	arginine decarboxyl ase	-0.944673	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0529 98	ODC-p	arginine decarboxyl ase	-0.404327	Inlier
siRNA Disorazole DMSO Run1	NM_0529 98	ODC-p	arginine decarboxyl ase	-0.08691	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0529 98	ODC-p	arginine decarboxyl ase	0.08691	Inlier
siRNA Disorazole DMSO Run3	NM_0529 98	ODC-p	arginine decarboxyl ase	0.100309	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0529 98	ODC-p	arginine decarboxyl ase	0.958764	Inlier
siRNA Disorazole DMSO Run2	NM_0529 98	ODC-p	arginine decarboxyl ase	0.996943	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0036 11	OFD1	oral-facial- digital syndrome 1	-0.747927	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0036 11	OFD1	oral-facial- digital syndrome 1	-0.678436	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0036 11	OFD1	oral-facial- digital syndrome 1	-0.326525	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0036 11	OFD1	oral-facial- digital syndrome 1	-0.091752	Inlier
siRNA Disorazole DMSO Run1	NM_0036 11	OFD1	oral-facial- digital syndrome 1	0.091752	Inlier
siRNA Disorazole DMSO Run3	NM_0036 11	OFD1	oral-facial- digital syndrome 1	0.670564	Inlier
siRNA Disorazole DMSO Run2	NM_0036 11	OFD1	oral-facial- digital syndrome 1	1.018263	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0036 11	OFD1	oral-facial-digital syndrome 1	1.125867	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0025 41	OGDH	oxoglutarate (alpha-ketoglutarate) dehydrogenase (lipoamide)	-0.851213	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0025 41	OGDH	oxoglutarate (alpha-ketoglutarate) dehydrogenase (lipoamide)	-0.70794	Inlier
siRNA Disorazole DMSO Run2	NM_0025 41	OGDH	oxoglutarate (alpha-ketoglutarate) dehydrogenase (lipoamide)	-0.282189	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0025 41	OGDH	oxoglutarate (alpha-ketoglutarate) dehydrogenase (lipoamide)	-0.232376	Inlier
siRNA Disorazole DMSO Run1	NM_0025 41	OGDH	oxoglutarate (alpha-ketoglutarate) dehydrogenase (lipoamide)	0.232376	Inlier
siRNA Disorazole DMSO Run3	NM_0025 41	OGDH	oxoglutarate (alpha-ketoglutarate) dehydrogenase (lipoamide)	0.64106	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_002541	OGDH	oxoglutarate (alpha-ketoglutarate) dehydrogenase (lipoamide)	1.237119	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002541	OGDH	oxoglutarate (alpha-ketoglutarate) dehydrogenase (lipoamide)	1.525482	Inlier
siRNA Disorazole DMSO Run1	NM_018245	OGDHL	oxoglutarate dehydrogenase-like	-1.092352	Inlier
siRNA-Vinblastine Run2-DMSO	NM_018245	OGDHL	oxoglutarate dehydrogenase-like	-0.561138	Inlier
siRNA-Temozolomide Run1-DMSO	NM_018245	OGDHL	oxoglutarate dehydrogenase-like	-0.328063	Inlier
siRNA Disorazole DMSO Run3	NM_018245	OGDHL	oxoglutarate dehydrogenase-like	-0.215288	Inlier
siRNA-Temozolomide Run3-DMSO	NM_018245	OGDHL	oxoglutarate dehydrogenase-like	0.215287	Inlier
siRNA-Temozolomide Run2-DMSO	NM_018245	OGDHL	oxoglutarate dehydrogenase-like	0.787862	Inlier
siRNA Disorazole DMSO Run2	NM_018245	OGDHL	oxoglutarate dehydrogenase-like	1.727325	Inlier
siRNA-Vinblastine Run1-DMSO	NM_018245	OGDHL	oxoglutarate dehydrogenase-like	2.933494	Inlier
siRNA-Temozolomide Run2-DMSO	NM_007346	OGFR	opioid growth factor receptor	-1.442492	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0073 46	OGFR	opioid growth factor receptor	-0.846235 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0073 46	OGFR	opioid growth factor receptor	-0.37993 Inlier
siRNA Disorazole DMSO Run3	NM_0073 46	OGFR	opioid growth factor receptor	-0.008385 Inlier
siRNA Disorazole DMSO Run1	NM_0073 46	OGFR	opioid growth factor receptor	0.008385 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0073 46	OGFR	opioid growth factor receptor	0.502765 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0073 46	OGFR	opioid growth factor receptor	1.696327 Inlier
siRNA Disorazole DMSO Run2	NM_0073 46	OGFR	opioid growth factor receptor	1.702188 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0025 42	OGG1	8-oxoguanine DNA glycosylase	-1.487927 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0025 42	OGG1	8-oxoguanine DNA glycosylase	-0.819532 Inlier
siRNA Disorazole DMSO Run3	NM_0025 42	OGG1	8-oxoguanine DNA glycosylase	-0.505972 Inlier
siRNA Disorazole DMSO Run1	NM_0025 42	OGG1	8-oxoguanine DNA glycosylase	-0.062623 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0025 42	OGG1	8-oxoguanine DNA glycosylase	0.062622	Inlier
siRNA Disorazole DMSO Run2	NM_0025 42	OGG1	8-oxoguanine DNA glycosylase	0.529468	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0025 42	OGG1	8-oxoguanine DNA glycosylase	1.073046	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0025 42	OGG1	8-oxoguanine DNA glycosylase	1.461644	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1816 73	OGT	O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N-acetylglucosamine:polypeptide-N-acetylglucosaminyl transferase)	-2.53255	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1816 73	OGT	O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N-acetylglucosamine:polypeptide-N-acetylglucosaminyl transferase)	-0.782201	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_181673	OGT	O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N-acetylglucosamine:polypeptide-N-acetylglucosaminyl transferase)	-0.566799	Inlier
siRNA Disorazole DMSO Run1	NM_181673	OGT	O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N-acetylglucosamine:polypeptide-N-acetylglucosaminyl transferase)	-0.092266	Inlier
siRNA-Vinblastine Run2-DMSO	NM_181673	OGT	O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N-acetylglucosamine:polypeptide-N-acetylglucosaminyl transferase)	0.092266	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_1816 73	OGT	O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N-acetylglucosamine:polypeptide-N-acetylglucosaminyl transferase)	0.485275	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1816 73	OGT	O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N-acetylglucosamine:polypeptide-N-acetylglucosaminyl transferase)	1.967433	Inlier
siRNA Disorazole DMSO Run2	NM_1816 73	OGT	O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N-acetylglucosamine:polypeptide-N-acetylglucosaminyl transferase)	2.5331	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1780 14	OK/SW-cl.56	tubulin, beta polypeptide	-1.228769	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_1780 14	OK/SW- cl.56	tubulin, beta polypeptid e	-0.120231	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1780 14	OK/SW- cl.56	tubulin, beta polypeptid e	-0.103542	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1780 14	OK/SW- cl.56	tubulin, beta polypeptid e	-0.003321	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1780 14	OK/SW- cl.56	tubulin, beta polypeptid e	0.003321	Inlier
siRNA Disorazole DMSO Run1	NM_1780 14	OK/SW- cl.56	tubulin, beta polypeptid e	1.332746	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1780 14	OK/SW- cl.56	tubulin, beta polypeptid e	3.40507	Inlier
siRNA Disorazole DMSO Run2	NM_1780 14	OK/SW- cl.56	tubulin, beta polypeptid e	4.042576	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0025 43	OLR1	oxidised low density lipoprotein (lectin-like) receptor 1	-1.40397	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0025 43	OLR1	oxidised low density lipoprotein (lectin-like) receptor 1	-0.879916	Inlier
siRNA Disorazole DMSO Run1	NM_0025 43	OLR1	oxidised low density lipoprotein (lectin-like) receptor 1	-0.25644	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0025 43	OLR1	oxidised low density lipoprotein (lectin-like) receptor 1	-0.146429	Inlier
siRNA Disorazole DMSO Run3	NM_0025 43	OLR1	oxidised low density lipoprotein (lectin-like) receptor 1	0.146429	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0025 43	OLR1	oxidised low density lipoprotein (lectin-like) receptor 1	0.469084	Inlier
siRNA Disorazole DMSO Run2	NM_0025 43	OLR1	oxidised low density lipoprotein (lectin-like) receptor 1	1.402452	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0025 43	OLR1	oxidised low density lipoprotein (lectin-like) receptor 1	1.747044	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0025 44	OMG	oligodendr ocyte myelin glycoprotein	-1.03794	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0025 44	OMG	oligodendr ocyte myelin glycoprotein	-0.869968	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0025 44	OMG	oligodendr ocyte myelin glycoprotein	-0.451778	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0025 44	OMG	oligodendr ocyte myelin glycoprotei n	-0.125928	Inlier
siRNA Disorazole DMSO Run3	NM_0025 44	OMG	oligodendr ocyte myelin glycoprotei n	0.125928	Inlier
siRNA Disorazole DMSO Run2	NM_0025 44	OMG	oligodendr ocyte myelin glycoprotei n	0.479032	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0025 44	OMG	oligodendr ocyte myelin glycoprotei n	1.079843	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0025 44	OMG	oligodendr ocyte myelin glycoprotei n	1.193308	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0025 47	OPHN1	oligophreni n 1	-1.897482	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0025 47	OPHN1	oligophreni n 1	-1.376181	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0025 47	OPHN1	oligophreni n 1	-0.247789	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0025 47	OPHN1	oligophreni n 1	-0.118412	Inlier
siRNA Disorazole DMSO Run3	NM_0025 47	OPHN1	oligophreni n 1	0.118411	Inlier
siRNA Disorazole DMSO Run1	NM_0025 47	OPHN1	oligophreni n 1	0.640231	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0025 47	OPHN1	oligophreni n 1	0.708769	Inlier
siRNA Disorazole DMSO Run2	NM_0025 47	OPHN1	oligophreni n 1	1.330793	Inlier
siRNA-Vinblastine Run2- DMSO	XM_29126 6	OPLAH	5- oxoprolina se (ATP- hydrolysin g)	-2.244681	Inlier
siRNA Disorazole DMSO Run1	XM_29126 6	OPLAH	5- oxoprolina se (ATP- hydrolysin g)	-1.080041	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	XM_29126 6	OPLAH	5-oxoprolinase (ATP-hydrolysin g)	-0.881186	Inlier
siRNA-Temozolomide Run1-DMSO	XM_29126 6	OPLAH	5-oxoprolinase (ATP-hydrolysin g)	-0.034363	Inlier
siRNA-Temozolomide Run3-DMSO	XM_29126 6	OPLAH	5-oxoprolinase (ATP-hydrolysin g)	0.034363	Inlier
siRNA-Temozolomide Run2-DMSO	XM_29126 6	OPLAH	5-oxoprolinase (ATP-hydrolysin g)	0.351171	Inlier
siRNA Disorazole DMSO Run2	XM_29126 6	OPLAH	5-oxoprolinase (ATP-hydrolysin g)	0.467814	Inlier
siRNA-Vinblastine Run1-DMSO	XM_29126 6	OPLAH	5-oxoprolinase (ATP-hydrolysin g)	0.951227	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0017 08	OPN1SW	opsin 1 (cone pigments), short-wave-sensitive (color blindness, tritan)	-1.351126	Inlier
siRNA Disorazole DMSO Run2	NM_0017 08	OPN1SW	opsin 1 (cone pigments), short-wave-sensitive (color blindness, tritan)	-0.898473	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_001708	OPN1SW	opsin 1 (cone pigments), short-wave-sensitive (color blindness, tritan)	-0.078202	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001708	OPN1SW	opsin 1 (cone pigments), short-wave-sensitive (color blindness, tritan)	-0.045195	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001708	OPN1SW	opsin 1 (cone pigments), short-wave-sensitive (color blindness, tritan)	0.045194	Inlier
siRNA Disorazole DMSO Run1	NM_001708	OPN1SW	opsin 1 (cone pigments), short-wave-sensitive (color blindness, tritan)	0.450527	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001708	OPN1SW	opsin 1 (cone pigments), short-wave-sensitive (color blindness, tritan)	1.199885	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log Fold Change	Outlier Status
siRNA-Vinblastine Run1-DMSO	NM_001708	OPN1SW	opsin 1 (cone pigments), short-wave-sensitive (color blindness, tritan)	1.562238	Inlier
siRNA Disorazole DMSO Run2	NM_014322	OPN3	opsin 3 (encephalopsin, panopsin)	-2.034321	Inlier
siRNA-Temozolomide Run3-DMSO	NM_014322	OPN3	opsin 3 (encephalopsin, panopsin)	-1.560688	Inlier
siRNA-Temozolomide Run2-DMSO	NM_014322	OPN3	opsin 3 (encephalopsin, panopsin)	-1.331849	Inlier
siRNA Disorazole DMSO Run3	NM_014322	OPN3	opsin 3 (encephalopsin, panopsin)	-0.100207	Inlier
siRNA Disorazole DMSO Run1	NM_014322	OPN3	opsin 3 (encephalopsin, panopsin)	0.100206	Inlier
siRNA-Temozolomide Run1-DMSO	NM_014322	OPN3	opsin 3 (encephalopsin, panopsin)	0.33415	Inlier
siRNA-Vinblastine Run1-DMSO	NM_014322	OPN3	opsin 3 (encephalopsin, panopsin)	0.367396	Inlier
siRNA-Vinblastine Run2-DMSO	NM_014322	OPN3	opsin 4 (melanopsin)	0.981604	Inlier
siRNA-Temozolomide Run3-DMSO	NM_033282	OPN4	opsin 4 (melanopsin)	-1.081334	Inlier
siRNA Disorazole DMSO Run2	NM_033282	OPN4	opsin 4 (melanopsin)	-0.866788	Inlier
siRNA-Temozolomide Run1-DMSO	NM_033282	OPN4	opsin 4 (melanopsin)	-0.482212	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0332 82	OPN4	opsin 4 (melanopsin)	-0.24727	Inlier
siRNA Disorazole DMSO Run3	NM_0332 82	OPN4	opsin 4 (melanopsin)	0.247269	Inlier
siRNA Disorazole DMSO Run1	NM_0332 82	OPN4	opsin 4 (melanopsin)	0.40842	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0332 82	OPN4	opsin 4 (melanopsin)	0.996967	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0332 82	OPN4	opsin 4 (melanopsin)	1.215708	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0009 11	OPRD1	opioid receptor, delta 1	-1.202405	Inlier
siRNA Disorazole DMSO Run2	NM_0009 11	OPRD1	opioid receptor, delta 1	-0.707251	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0009 11	OPRD1	opioid receptor, delta 1	-0.069799	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0009 11	OPRD1	opioid receptor, delta 1	-0.032461	Inlier
siRNA Disorazole DMSO Run3	NM_0009 11	OPRD1	opioid receptor, delta 1	0.032462	Inlier
siRNA Disorazole DMSO Run1	NM_0009 11	OPRD1	opioid receptor, delta 1	0.641749	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0009 11	OPRD1	opioid receptor, delta 1	0.87741	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0009 11	OPRD1	opioid receptor, delta 1	1.000087	Inlier
siRNA Disorazole DMSO Run2	NM_0009 12	OPRK1	opioid receptor, kappa 1	-1.394021	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0009 12	OPRK1	opioid receptor, kappa 1	-0.934249	Inlier
siRNA Disorazole DMSO Run3	NM_0009 12	OPRK1	opioid receptor, kappa 1	-0.414751	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0009 12	OPRK1	opioid receptor, kappa 1	-0.056919	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology					
siRNA-Temozolomide Run2-DMSO	NM_0009 12	OPRK1	opioid receptor, kappa 1	0.056919	Inlier
siRNA Disorazole DMSO Run1	NM_0009 12	OPRK1	opioid receptor, kappa 1	0.206689	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0009 12	OPRK1	opioid receptor, kappa 1	1.018366	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0009 12	OPRK1	opioid receptor, kappa 1	1.162752	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1826 47	OPRL1	opiate receptor-like 1	-1.887391	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1826 47	OPRL1	opiate receptor-like 1	-1.783639	Inlier
siRNA Disorazole DMSO Run3	NM_1826 47	OPRL1	opiate receptor-like 1	-0.104974	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1826 47	OPRL1	opiate receptor-like 1	-0.031153	Inlier
siRNA Disorazole DMSO Run2	NM_1826 47	OPRL1	opiate receptor-like 1	0.031153	Inlier
siRNA Disorazole DMSO Run1	NM_1826 47	OPRL1	opiate receptor-like 1	0.138661	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1826 47	OPRL1	opiate receptor-like 1	1.21034	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1826 47	OPRL1	opiate receptor-like 1	1.29125	Inlier
siRNA Disorazole DMSO Run2	NM_0010 08505	OPRM1	opioid receptor, mu 1	-2.129628	Inlier
siRNA Disorazole DMSO Run3	NM_0010 08505	OPRM1	opioid receptor, mu 1	-0.95397	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 08505	OPRM1	opioid receptor, mu 1	-0.270154	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 08505	OPRM1	opioid receptor, mu 1	-0.139784	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 08505	OPRM1	opioid receptor, mu 1	0.139784	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0010 08505	OPRM1	opioid receptor, mu 1	0.39503	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0010 08505	OPRM1	opioid receptor, mu 1	1.037794	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0010 08505	OPRM1	opioid receptor, mu 1	1.635237	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1471 60	OPRS1	opioid receptor, sigma 1	-0.961233	Inlier
siRNA Disorazole DMSO Run1	NM_1471 60	OPRS1	opioid receptor, sigma 1	-0.667393	Inlier
siRNA Disorazole DMSO Run3	NM_1471 60	OPRS1	opioid receptor, sigma 1	-0.18955	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1471 60	OPRS1	opioid receptor, sigma 1	-0.105975	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1471 60	OPRS1	opioid receptor, sigma 1	0.105975	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1471 60	OPRS1	opioid receptor, sigma 1	0.681607	Inlier
siRNA Disorazole DMSO Run2	NM_1471 60	OPRS1	opioid receptor, sigma 1	1.822977	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1471 60	OPRS1	opioid receptor, sigma 1	1.844447	Inlier
siRNA-Vinblastine Run2- DMSO	XM_29198 6	OR10A3	olfactory receptor, family 10, subfamily A, member 3	-1.134015	Inlier
siRNA Disorazole DMSO Run1	XM_29198 6	OR10A3	olfactory receptor, family 10, subfamily A, member 3	-0.97507	Inlier
siRNA Disorazole DMSO Run3	XM_29198 6	OR10A3	olfactory receptor, family 10, subfamily A, member 3	-0.578784	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	XM_29198 6	OR10A3	olfactory receptor, family 10, subfamily A, member 3	-0.09892	Inlier
siRNA-Temozolomide Run3-DMSO	XM_29198 6	OR10A3	olfactory receptor, family 10, subfamily A, member 3	0.09892	Inlier
siRNA-Temozolomide Run1-DMSO	XM_29198 6	OR10A3	olfactory receptor, family 10, subfamily A, member 3	0.647071	Inlier
siRNA Disorazole DMSO Run2	XM_29198 6	OR10A3	olfactory receptor, family 10, subfamily A, member 3	0.701929	Inlier
siRNA-Vinblastine Run1-DMSO	XM_29198 6	OR10A3	olfactory receptor, family 10, subfamily A, member 3	1.290666	Inlier
siRNA-Vinblastine Run2-DMSO	NM_2071 86	OR10A4	olfactory receptor, family 10, subfamily A, member 4	-1.804978	Inlier
siRNA Disorazole DMSO Run3	NM_2071 86	OR10A4	olfactory receptor, family 10, subfamily A, member 4	-0.441038	Inlier
siRNA Disorazole DMSO Run1	NM_2071 86	OR10A4	olfactory receptor, family 10, subfamily A, member 4	-0.403487	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_2071 86	OR10A4	olfactory receptor, family 10, subfamily A, member 4	-0.260127	Inlier
siRNA-Temozolomide Run2-DMSO	NM_2071 86	OR10A4	olfactory receptor, family 10, subfamily A, member 4	0.260127	Inlier
siRNA-Temozolomide Run3-DMSO	NM_2071 86	OR10A4	olfactory receptor, family 10, subfamily A, member 4	0.907962	Inlier
siRNA Disorazole DMSO Run2	NM_2071 86	OR10A4	olfactory receptor, family 10, subfamily A, member 4	1.402622	Inlier
siRNA-Vinblastine Run1-DMSO	NM_2071 86	OR10A4	olfactory receptor, family 10, subfamily A, member 4	1.930128	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1781 68	OR10A5	olfactory receptor, family 10, subfamily A, member 5	-0.876746	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1781 68	OR10A5	olfactory receptor, family 10, subfamily A, member 5	-0.571393	Inlier
siRNA Disorazole DMSO Run3	NM_1781 68	OR10A5	olfactory receptor, family 10, subfamily A, member 5	-0.460888	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_1781 68	OR10A5	olfactory receptor, family 10, subfamily A, member 5	-0.294132	Inlier
siRNA Disorazole DMSO Run1	NM_1781 68	OR10A5	olfactory receptor, family 10, subfamily A, member 5	0.294132	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1781 68	OR10A5	olfactory receptor, family 10, subfamily A, member 5	0.777607	Inlier
siRNA Disorazole DMSO Run2	NM_1781 68	OR10A5	olfactory receptor, family 10, subfamily A, member 5	1.237464	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1781 68	OR10A5	olfactory receptor, family 10, subfamily A, member 5	1.762962	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0139 40	OR10H1	olfactory receptor, family 10, subfamily H, member 1	-2.561765	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0139 40	OR10H1	olfactory receptor, family 10, subfamily H, member 1	-0.762276	Inlier
siRNA Disorazole DMSO Run1	NM_0139 40	OR10H1	olfactory receptor, family 10, subfamily H, member 1	-0.586724	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0139 40	OR10H1	olfactory receptor, family 10, subfamily H, member 1	-0.145054	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0139 40	OR10H1	olfactory receptor, family 10, subfamily H, member 1	0.145054	Inlier
siRNA Disorazole DMSO Run2	NM_0139 40	OR10H1	olfactory receptor, family 10, subfamily H, member 1	0.184956	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0139 40	OR10H1	olfactory receptor, family 10, subfamily H, member 1	1.059325	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0139 40	OR10H1	olfactory receptor, family 10, subfamily H, member 1	1.341725	Inlier
siRNA Disorazole DMSO Run2	NM_0139 39	OR10H2	olfactory receptor, family 10, subfamily H, member 2	-5.960083	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0139 39	OR10H2	olfactory receptor, family 10, subfamily H, member 2	-2.348298	Inlier
siRNA Disorazole DMSO Run3	NM_0139 39	OR10H2	olfactory receptor, family 10, subfamily H, member 2	-0.641504	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0139 39	OR10H2	olfactory receptor, family 10, subfamily H, member 2	-0.082035	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0139 39	OR10H2	olfactory receptor, family 10, subfamily H, member 2	0.082037	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0139 39	OR10H2	olfactory receptor, family 10, subfamily H, member 2	0.306636	Inlier
siRNA Disorazole DMSO Run1	NM_0139 39	OR10H2	olfactory receptor, family 10, subfamily H, member 2	0.707496	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0139 39	OR10H2	olfactory receptor, family 10, subfamily H, member 2	1.275979	Inlier
siRNA Disorazole DMSO Run1	NM_0123 51	OR10J1	olfactory receptor, family 10, subfamily J, member 1	-1.505451	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0123 51	OR10J1	olfactory receptor, family 10, subfamily J, member 1	-0.865319	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0123 51	OR10J1	olfactory receptor, family 10, subfamily J, member 1	-0.132255	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0123 51	OR10J1	olfactory receptor, family 10, subfamily J, member 1	-0.110618	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0123 51	OR10J1	olfactory receptor, family 10, subfamily J, member 1	0.110619	Inlier
siRNA Disorazole DMSO Run2	NM_0123 51	OR10J1	olfactory receptor, family 10, subfamily J, member 1	0.483681	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0123 51	OR10J1	olfactory receptor, family 10, subfamily J, member 1	1.444469	Inlier
siRNA Disorazole DMSO Run3	NM_0123 51	OR10J1	olfactory receptor, family 11, subfamily A, member 1	3.653742	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0139 37	OR11A1	olfactory receptor, family 11, subfamily A, member 1	-2.547848	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0139 37	OR11A1	olfactory receptor, family 11, subfamily A, member 1	-2.273226	Inlier
siRNA Disorazole DMSO Run1	NM_0139 37	OR11A1	olfactory receptor, family 11, subfamily A, member 1	-0.274158	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0139 37	OR11A1	olfactory receptor, family 11, subfamily A, member 1	-0.074071	Inlier
siRNA Disorazole DMSO Run2	NM_0139 37	OR11A1	olfactory receptor, family 11, subfamily A, member 1	0.074071	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0139 37	OR11A1	olfactory receptor, family 11, subfamily A, member 1	0.654701	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0139 37	OR11A1	olfactory receptor, family 11, subfamily A, member 1	0.694299	Inlier
siRNA Disorazole DMSO Run3	NM_0139 37	OR11A1	olfactory receptor, family 12, subfamily D, member 1	0.760592	Inlier
siRNA Disorazole DMSO Run1	NM_0139 36	OR12D2	olfactory receptor, family 12, subfamily D, member 2	-0.880125	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0139 36	OR12D2	olfactory receptor, family 12, subfamily D, member 2	-0.743442	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0139 36	OR12D2	olfactory receptor, family 12, subfamily D, member 2	-0.605558	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0139 36	OR12D2	olfactory receptor, family 12, subfamily D, member 2	-0.205585	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0139 36	OR12D2	olfactory receptor, family 12, subfamily D, member 2	0.205585	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0139 36	OR12D2	olfactory receptor, family 12, subfamily D, member 2	0.239477	Inlier
siRNA Disorazole DMSO Run2	NM_0139 36	OR12D2	olfactory receptor, family 12, subfamily D, member 2	0.985534	Inlier
siRNA Disorazole DMSO Run3	NM_0139 36	OR12D2	olfactory receptor, family 12, subfamily D, member 2	1.007514	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0309 59	OR12D3	olfactory receptor, family 12, subfamily D, member 3	-2.423407	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0309 59	OR12D3	olfactory receptor, family 12, subfamily D, member 3	-2.111062	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0309 59	OR12D3	olfactory receptor, family 12, subfamily D, member 3	-1.7588	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0309 59	OR12D3	olfactory receptor, family 12, subfamily D, member 3	-0.163287	Inlier
siRNA Disorazole DMSO Run1	NM_0309 59	OR12D3	olfactory receptor, family 12, subfamily D, member 3	0.163287	Inlier
siRNA Disorazole DMSO Run3	NM_0309 59	OR12D3	olfactory receptor, family 12, subfamily D, member 3	0.491713	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0309 59	OR12D3	olfactory receptor, family 12, subfamily D, member 3	0.623384	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0309 59	OR12D3	olfactory receptor, family 1, subfamily D, member 3	0.725616	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0145 65	OR1A1	olfactory receptor, family 1, subfamily A, member 1	-0.873944	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0145 65	OR1A1	olfactory receptor, family 1, subfamily A, member 1	-0.780447	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0145 65	OR1A1	olfactory receptor, family 1, subfamily A, member 1	-0.121911	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0145 65	OR1A1	olfactory receptor, family 1, subfamily A, member 1	-0.005953 Inlier
siRNA Disorazole DMSO Run1	NM_0145 65	OR1A1	olfactory receptor, family 1, subfamily A, member 1	0.005953 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0145 65	OR1A1	olfactory receptor, family 1, subfamily A, member 1	0.568553 Inlier
siRNA Disorazole DMSO Run3	NM_0145 65	OR1A1	olfactory receptor, family 1, subfamily A, member 1	0.795525 Inlier
siRNA Disorazole DMSO Run2	NM_0145 65	OR1A1	olfactory receptor, family 1, subfamily A, member 1	1.196615 Inlier
siRNA Disorazole DMSO Run1	NM_0123 52	OR1A2	olfactory receptor, family 1, subfamily A, member 2	-0.781952 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0123 52	OR1A2	olfactory receptor, family 1, subfamily A, member 2	-0.756909 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0123 52	OR1A2	olfactory receptor, family 1, subfamily A, member 2	-0.592091 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0123 52	OR1A2	olfactory receptor, family 1, subfamily A, member 2	-0.393427	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0123 52	OR1A2	olfactory receptor, family 1, subfamily A, member 2	0.393427	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0123 52	OR1A2	olfactory receptor, family 1, subfamily A, member 2	0.590848	Inlier
siRNA Disorazole DMSO Run3	NM_0123 52	OR1A2	olfactory receptor, family 1, subfamily A, member 2	1.369503	Inlier
siRNA Disorazole DMSO Run2	NM_0123 52	OR1A2	olfactory receptor, family 1, subfamily A, member 2	1.673153	Inlier
siRNA Disorazole DMSO Run1	XM_29143 7	OR1C1	olfactory receptor, family 1, subfamily C, member 1	-1.514982	Inlier
siRNA-Temozolomide Run3-DMSO	XM_29143 7	OR1C1	olfactory receptor, family 1, subfamily C, member 1	-0.713654	Inlier
siRNA-Vinblastine Run2-DMSO	XM_29143 7	OR1C1	olfactory receptor, family 1, subfamily C, member 1	-0.356961	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	XM_29143 7	OR1C1	olfactory receptor, family 1, subfamily C, member 1	-0.08147	Inlier
siRNA-Temozolomide Run2-DMSO	XM_29143 7	OR1C1	olfactory receptor, family 1, subfamily C, member 1	0.081471	Inlier
siRNA Disorazole DMSO Run2	XM_29143 7	OR1C1	olfactory receptor, family 1, subfamily C, member 1	0.635346	Inlier
siRNA-Temozolomide Run1-DMSO	XM_29143 7	OR1C1	olfactory receptor, family 1, subfamily C, member 1	0.834146	Inlier
siRNA-Vinblastine Run1-DMSO	XM_29143 7	OR1C1	olfactory receptor, family 1, subfamily C, member 1	1.11912	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0025 48	OR1D2	olfactory receptor, family 1, subfamily D, member 2	-2.047601	Inlier
siRNA Disorazole DMSO Run2	NM_0025 48	OR1D2	olfactory receptor, family 1, subfamily D, member 2	-0.919887	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0025 48	OR1D2	olfactory receptor, family 1, subfamily D, member 2	-0.55418	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0025 48	OR1D2	olfactory receptor, family 1, subfamily D, member 2	-0.039065	Inlier
siRNA Disorazole DMSO Run1	NM_0025 48	OR1D2	olfactory receptor, family 1, subfamily D, member 2	0.039066	Inlier
siRNA Disorazole DMSO Run3	NM_0025 48	OR1D2	olfactory receptor, family 1, subfamily D, member 2	0.328963	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0025 48	OR1D2	olfactory receptor, family 1, subfamily D, member 2	0.79482	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0025 48	OR1D2	olfactory receptor, family 1, subfamily D, member 2	0.907315	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0035 52	OR1D4	olfactory receptor, family 1, subfamily D, member 4	-0.760937	Inlier
siRNA Disorazole DMSO Run1	NM_0035 52	OR1D4	olfactory receptor, family 1, subfamily D, member 4	-0.588063	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0035 52	OR1D4	olfactory receptor, family 1, subfamily D, member 4	-0.394561	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0035 52	OR1D4	olfactory receptor, family 1, subfamily D, member 4	-0.209244	Inlier
siRNA Disorazole DMSO Run3	NM_0035 52	OR1D4	olfactory receptor, family 1, subfamily D, member 4	0.209244	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0035 52	OR1D4	olfactory receptor, family 1, subfamily D, member 4	1.155788	Inlier
siRNA Disorazole DMSO Run2	NM_0035 52	OR1D4	olfactory receptor, family 1, subfamily D, member 4	5.801385	Outlier
siRNA-Vinblastine Run1-DMSO	NM_0035 52	OR1D4	olfactory receptor, family 1, subfamily D, member 4	6.409328	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0145 66	OR1D5	olfactory receptor, family 1, subfamily D, member 5	-1.303799	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0145 66	OR1D5	olfactory receptor, family 1, subfamily D, member 5	-0.841017	Inlier
siRNA Disorazole DMSO Run1	NM_0145 66	OR1D5	olfactory receptor, family 1, subfamily D, member 5	-0.507983	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0145 66	OR1D5	olfactory receptor, family 1, subfamily D, member 5	-0.300785	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0145 66	OR1D5	olfactory receptor, family 1, subfamily D, member 5	0.300784	Inlier
siRNA Disorazole DMSO Run3	NM_0145 66	OR1D5	olfactory receptor, family 1, subfamily D, member 5	0.319389	Inlier
siRNA Disorazole DMSO Run2	NM_0145 66	OR1D5	olfactory receptor, family 1, subfamily D, member 5	2.126579	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0145 66	OR1D5	olfactory receptor, family 1, subfamily D, member 5	3.387979	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0035 53	OR1E1	olfactory receptor, family 1, subfamily E, member 1	-4.620492	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0035 53	OR1E1	olfactory receptor, family 1, subfamily E, member 1	-1.116873	Inlier
siRNA Disorazole DMSO Run1	NM_0035 53	OR1E1	olfactory receptor, family 1, subfamily E, member 1	-0.987291	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0035 53	OR1E1	olfactory receptor, family 1, subfamily E, member 1	-0.054436	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0035 53	OR1E1	olfactory receptor, family 1, subfamily E, member 1	0.054435	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0035 53	OR1E1	olfactory receptor, family 1, subfamily E, member 1	0.343458	Inlier
siRNA Disorazole DMSO Run3	NM_0035 53	OR1E1	olfactory receptor, family 1, subfamily E, member 1	0.378125	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0035 53	OR1E1	olfactory receptor, family 1, subfamily E, member 1	0.970875	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0035 54	OR1E2	olfactory receptor, family 1, subfamily E, member 2	-2.440959	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0035 54	OR1E2	olfactory receptor, family 1, subfamily E, member 2	-0.929091	Inlier
siRNA Disorazole DMSO Run2	NM_0035 54	OR1E2	olfactory receptor, family 1, subfamily E, member 2	-0.419909	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0035 54	OR1E2	olfactory receptor, family 1, subfamily E, member 2	-0.118814	Inlier
siRNA Disorazole DMSO Run1	NM_0035 54	OR1E2	olfactory receptor, family 1, subfamily E, member 2	0.118814	Inlier
siRNA Disorazole DMSO Run3	NM_0035 54	OR1E2	olfactory receptor, family 1, subfamily E, member 2	0.154538	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0035 54	OR1E2	olfactory receptor, family 1, subfamily E, member 2	1.324831	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0035 54	OR1E2	olfactory receptor, family 1, subfamily E, member 2	1.47028	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0123 60	OR1F1	olfactory receptor, family 1, subfamily F, member 1	-1.670998	Inlier
siRNA Disorazole DMSO Run2	NM_0123 60	OR1F1	olfactory receptor, family 1, subfamily F, member 1	-1.226868	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0123 60	OR1F1	olfactory receptor, family 1, subfamily F, member 1	-0.424762	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0123 60	OR1F1	olfactory receptor, family 1, subfamily F, member 1	-0.22859	Inlier
siRNA Disorazole DMSO Run3	NM_0123 60	OR1F1	olfactory receptor, family 1, subfamily F, member 1	0.22859	Inlier
siRNA Disorazole DMSO Run1	NM_0123 60	OR1F1	olfactory receptor, family 1, subfamily F, member 1	0.233006	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0123 60	OR1F1	olfactory receptor, family 1, subfamily F, member 1	0.924238	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0123 60	OR1F1	olfactory receptor, family 1, subfamily F, member 1	1.132602	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0035 55	OR1G1	olfactory receptor, family 1, subfamily G, member 1	-1.429628	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0035 55	OR1G1	olfactory receptor, family 1, subfamily G, member 1	-0.910507	Inlier
siRNA Disorazole DMSO Run1	NM_0035 55	OR1G1	olfactory receptor, family 1, subfamily G, member 1	-0.661814	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0035 55	OR1G1	olfactory receptor, family 1, subfamily G, member 1	-0.445903	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0035 55	OR1G1	olfactory receptor, family 1, subfamily G, member 1	0.445903	Inlier
siRNA Disorazole DMSO Run2	NM_0035 55	OR1G1	olfactory receptor, family 1, subfamily G, member 1	0.575577	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0035 55	OR1G1	olfactory receptor, family 1, subfamily G, member 1	0.687186	Inlier
siRNA Disorazole DMSO Run3	NM_0035 55	OR1G1	olfactory receptor, family 2, subfamily B, member 2	1.62534	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0330 57	OR2B2	olfactory receptor, family 2, subfamily B, member 2	-2.739811	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0330 57	OR2B2	olfactory receptor, family 2, subfamily B, member 2	-1.255394	Inlier
siRNA Disorazole DMSO Run2	NM_0330 57	OR2B2	olfactory receptor, family 2, subfamily B, member 2	-0.544273	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0330 57	OR2B2	olfactory receptor, family 2, subfamily B, member 2	-0.30492	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0330 57	OR2B2	olfactory receptor, family 2, subfamily B, member 2	0.30492	Inlier
siRNA Disorazole DMSO Run1	NM_0330 57	OR2B2	olfactory receptor, family 2, subfamily B, member 2	0.641681	Inlier
siRNA Disorazole DMSO Run3	NM_0330 57	OR2B2	olfactory receptor, family 2, subfamily B, member 2	0.707319	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0330 57	OR2B2	olfactory receptor, family 2, subfamily B, member 2	1.049984	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0123 68	OR2C1	olfactory receptor, family 2, subfamily C, member 1	-2.175218	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0123 68	OR2C1	olfactory receptor, family 2, subfamily C, member 1	-1.064698	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0123 68	OR2C1	olfactory receptor, family 2, subfamily C, member 1	-0.443223	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0123 68	OR2C1	olfactory receptor, family 2, subfamily C, member 1	-0.280193	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0123 68	OR2C1	olfactory receptor, family 2, subfamily C, member 1	0.280193	Inlier
siRNA Disorazole DMSO Run1	NM_0123 68	OR2C1	olfactory receptor, family 2, subfamily C, member 1	0.321694	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0123 68	OR2C1	olfactory receptor, family 2, subfamily C, member 1	0.905777	Inlier
siRNA Disorazole DMSO Run3	NM_0123 68	OR2C1	olfactory receptor, family 2, subfamily C, member 1	0.982994	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0123 69	OR2F1	olfactory receptor, family 2, subfamily F, member 1	-2.83624	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0123 69	OR2F1	olfactory receptor, family 2, subfamily F, member 1	-1.805506	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0123 69	OR2F1	olfactory receptor, family 2, subfamily F, member 1	-0.337681	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0123 69	OR2F1	olfactory receptor, family 2, subfamily F, member 1	-0.250256	Inlier
siRNA Disorazole DMSO Run3	NM_0123 69	OR2F1	olfactory receptor, family 2, subfamily F, member 1	0.250256	Inlier
siRNA Disorazole DMSO Run1	NM_0123 69	OR2F1	olfactory receptor, family 2, subfamily F, member 1	0.408801	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0123 69	OR2F1	olfactory receptor, family 2, subfamily F, member 1	0.940199	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0123 69	OR2F1	olfactory receptor, family 2, subfamily F, member 1	1.522861	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0308 83	OR2H1	olfactory receptor, family 2, subfamily H, member 1	-2.520407	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0308 83	OR2H1	olfactory receptor, family 2, subfamily H, member 1	-1.613868	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0308 83	OR2H1	olfactory receptor, family 2, subfamily H, member 1	-0.907431	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0308 83	OR2H1	olfactory receptor, family 2, subfamily H, member 1	-0.193254	Inlier
siRNA Disorazole DMSO Run2	NM_0308 83	OR2H1	olfactory receptor, family 2, subfamily H, member 1	0.193254	Inlier
siRNA Disorazole DMSO Run3	NM_0308 83	OR2H1	olfactory receptor, family 2, subfamily H, member 1	0.391595	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0308 83	OR2H1	olfactory receptor, family 2, subfamily H, member 1	0.506207	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0308 83	OR2H1	olfactory receptor, family 2, subfamily H, member 1	0.842793	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0071 60	OR2H2	olfactory receptor, family 2, subfamily H, member 2	-1.912977	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0071 60	OR2H2	olfactory receptor, family 2, subfamily H, member 2	-0.96262	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0071 60	OR2H2	olfactory receptor, family 2, subfamily H, member 2	-0.738348	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0071 60	OR2H2	olfactory receptor, family 2, subfamily H, member 2	-0.051355	Inlier
siRNA Disorazole DMSO Run2	NM_0071 60	OR2H2	olfactory receptor, family 2, subfamily H, member 2	0.051355	Inlier
siRNA Disorazole DMSO Run1	NM_0071 60	OR2H2	olfactory receptor, family 2, subfamily H, member 2	0.179996	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0071 60	OR2H2	olfactory receptor, family 2, subfamily H, member 2	0.610652	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0071 60	OR2H2	olfactory receptor, family 2, subfamily H, member 2	0.812296	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0309 05	OR2J2	olfactory receptor, family 2, subfamily J, member 2	-1.565025	Inlier
siRNA Disorazole DMSO Run2	NM_0309 05	OR2J2	olfactory receptor, family 2, subfamily J, member 2	-1.336056	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0309 05	OR2J2	olfactory receptor, family 2, subfamily J, member 2	-1.084009	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_030905	OR2J2	olfactory receptor, family 2, subfamily J, member 2	-0.521659	Inlier
siRNA Disorazole DMSO Run3	NM_030905	OR2J2	olfactory receptor, family 2, subfamily J, member 2	0.521659	Inlier
siRNA-Vinblastine Run1-DMSO	NM_030905	OR2J2	olfactory receptor, family 2, subfamily J, member 2	0.571963	Inlier
siRNA-Vinblastine Run2-DMSO	NM_030905	OR2J2	olfactory receptor, family 2, subfamily J, member 2	0.63984	Inlier
siRNA Disorazole DMSO Run1	NM_030905	OR2J2	olfactory receptor, family 2, subfamily J, member 2	0.70916	Inlier
siRNA-Temozolomide Run2-DMSO	XM_371358	OR2M4	olfactory receptor, family 2, subfamily M, member 4	-1.129641	Inlier
siRNA-Vinblastine Run2-DMSO	XM_371358	OR2M4	olfactory receptor, family 2, subfamily M, member 4	-0.419357	Inlier
siRNA Disorazole DMSO Run1	XM_371358	OR2M4	olfactory receptor, family 2, subfamily M, member 4	-0.288225	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	XM_37135 8	OR2M4	olfactory receptor, family 2, subfamily M, member 4	-0.05268	Inlier
siRNA-Temozolomide Run3-DMSO	XM_37135 8	OR2M4	olfactory receptor, family 2, subfamily M, member 4	0.052679	Inlier
siRNA-Temozolomide Run1-DMSO	XM_37135 8	OR2M4	olfactory receptor, family 2, subfamily M, member 4	0.929643	Inlier
siRNA-Vinblastine Run1-DMSO	XM_37135 8	OR2M4	olfactory receptor, family 2, subfamily M, member 4	1.366908	Inlier
siRNA Disorazole DMSO Run2	XM_37135 8	OR2M4	olfactory receptor, family 2, subfamily M, member 4	1.508194	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0198 97	OR2S2	olfactory receptor, family 2, subfamily S, member 2	-1.283525	Inlier
siRNA Disorazole DMSO Run2	NM_0198 97	OR2S2	olfactory receptor, family 2, subfamily S, member 2	-1.077273	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0198 97	OR2S2	olfactory receptor, family 2, subfamily S, member 2	-0.560213	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0198 97	OR2S2	olfactory receptor, family 2, subfamily S, member 2	-0.22179	Inlier
siRNA Disorazole DMSO Run3	NM_0198 97	OR2S2	olfactory receptor, family 2, subfamily S, member 2	0.22179	Inlier
siRNA Disorazole DMSO Run1	NM_0198 97	OR2S2	olfactory receptor, family 2, subfamily S, member 2	0.248593	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0198 97	OR2S2	olfactory receptor, family 2, subfamily S, member 2	0.788787	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0198 97	OR2S2	olfactory receptor, family 2, subfamily S, member 2	0.817388	Inlier
siRNA Disorazole DMSO Run3	NM_0309 04	OR2T1	olfactory receptor, family 2, subfamily T, member 1	-0.718488	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0309 04	OR2T1	olfactory receptor, family 2, subfamily T, member 1	-0.630512	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0309 04	OR2T1	olfactory receptor, family 2, subfamily T, member 1	-0.536236	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_030904	OR2T1	olfactory receptor, family 2, subfamily T, member 1	-0.131351	Inlier
siRNA Disorazole DMSO Run1	NM_030904	OR2T1	olfactory receptor, family 2, subfamily T, member 1	0.131352	Inlier
siRNA-Temozolomide Run1-DMSO	NM_030904	OR2T1	olfactory receptor, family 2, subfamily T, member 1	2.481729	Inlier
siRNA-Vinblastine Run1-DMSO	NM_030904	OR2T1	olfactory receptor, family 2, subfamily T, member 1	4.765763	Outlier
siRNA Disorazole DMSO Run2	NM_030904	OR2T1	olfactory receptor, family 2, subfamily T, member 1	5.429103	Outlier
siRNA-Temozolomide Run3-DMSO	NM_030903	OR2W1	olfactory receptor, family 2, subfamily W, member 1	-1.229861	Inlier
siRNA Disorazole DMSO Run2	NM_030903	OR2W1	olfactory receptor, family 2, subfamily W, member 1	-0.81317	Inlier
siRNA-Temozolomide Run2-DMSO	NM_030903	OR2W1	olfactory receptor, family 2, subfamily W, member 1	-0.568291	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_030903	OR2W1	olfactory receptor, family 2, subfamily W, member 1	-0.217691	Inlier
siRNA Disorazole DMSO Run1	NM_030903	OR2W1	olfactory receptor, family 2, subfamily W, member 1	0.217691	Inlier
siRNA Disorazole DMSO Run3	NM_030903	OR2W1	olfactory receptor, family 2, subfamily W, member 1	0.285925	Inlier
siRNA-Vinblastine Run2-DMSO	NM_030903	OR2W1	olfactory receptor, family 2, subfamily W, member 1	0.780709	Inlier
siRNA-Vinblastine Run1-DMSO	NM_030903	OR2W1	olfactory receptor, family 3, subfamily A, member 1	0.786085	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002550	OR3A1	olfactory receptor, family 3, subfamily A, member 1	-1.148796	Inlier
siRNA Disorazole DMSO Run3	NM_002550	OR3A1	olfactory receptor, family 3, subfamily A, member 1	-0.686907	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002550	OR3A1	olfactory receptor, family 3, subfamily A, member 1	-0.652979	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0025 50	OR3A1	olfactory receptor, family 3, subfamily A, member 1	-0.179269	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0025 50	OR3A1	olfactory receptor, family 3, subfamily A, member 1	0.179269	Inlier
siRNA Disorazole DMSO Run1	NM_0025 50	OR3A1	olfactory receptor, family 3, subfamily A, member 1	0.662093	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0025 50	OR3A1	olfactory receptor, family 3, subfamily A, member 1	1.059535	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0025 50	OR3A1	olfactory receptor, family 3, subfamily A, member 1	1.17323	Inlier
siRNA Disorazole DMSO Run2	NM_0025 51	OR3A2	olfactory receptor, family 3, subfamily A, member 2	-1.40979	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0025 51	OR3A2	olfactory receptor, family 3, subfamily A, member 2	-1.378703	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0025 51	OR3A2	olfactory receptor, family 3, subfamily A, member 2	-0.608957	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0025 51	OR3A2	olfactory receptor, family 3, subfamily A, member 2	-0.22813	Inlier
siRNA Disorazole DMSO Run1	NM_0025 51	OR3A2	olfactory receptor, family 3, subfamily A, member 2	0.22813	Inlier
siRNA Disorazole DMSO Run3	NM_0025 51	OR3A2	olfactory receptor, family 3, subfamily A, member 2	0.431558	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0025 51	OR3A2	olfactory receptor, family 3, subfamily A, member 2	0.740043	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0025 51	OR3A2	olfactory receptor, family 3, subfamily A, member 2	0.949506	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0123 73	OR3A3	olfactory receptor, family 3, subfamily A, member 3	-0.776261	Inlier
siRNA Disorazole DMSO Run1	NM_0123 73	OR3A3	olfactory receptor, family 3, subfamily A, member 3	-0.572739	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0123 73	OR3A3	olfactory receptor, family 3, subfamily A, member 3	-0.491268	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0123 73	OR3A3	olfactory receptor, family 3, subfamily A, member 3	-0.262676	Inlier
siRNA Disorazole DMSO Run2	NM_0123 73	OR3A3	olfactory receptor, family 3, subfamily A, member 3	0.262676	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0123 73	OR3A3	olfactory receptor, family 3, subfamily A, member 3	1.22397	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0123 73	OR3A3	olfactory receptor, family 3, subfamily A, member 3	1.385025	Inlier
siRNA Disorazole DMSO Run3	NM_0123 73	OR3A3	olfactory receptor, family 4, subfamily D, member 1	2.341484	Inlier
siRNA Disorazole DMSO Run3	NM_0123 74	OR4D1	olfactory receptor, family 4, subfamily D, member 1	-0.742768	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0123 74	OR4D1	olfactory receptor, family 4, subfamily D, member 1	-0.606232	Inlier
siRNA Disorazole DMSO Run1	NM_0123 74	OR4D1	olfactory receptor, family 4, subfamily D, member 1	-0.260934	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_012374	OR4D1	olfactory receptor, family 4, subfamily D, member 1	-0.246754	Inlier
siRNA-Temozolomide Run2-DMSO	NM_012374	OR4D1	olfactory receptor, family 4, subfamily D, member 1	0.246754	Inlier
siRNA-Temozolomide Run1-DMSO	NM_012374	OR4D1	olfactory receptor, family 4, subfamily D, member 1	1.353232	Inlier
siRNA Disorazole DMSO Run2	NM_012374	OR4D1	olfactory receptor, family 4, subfamily D, member 1	3.562129	Outlier
siRNA-Vinblastine Run1-DMSO	NM_012374	OR4D1	olfactory receptor, family 51, subfamily B, member 2	4.134523	Outlier
siRNA-Temozolomide Run3-DMSO	NM_033180	OR51B2	olfactory receptor, family 51, subfamily B, member 2	-2.865108	Inlier
siRNA-Temozolomide Run2-DMSO	NM_033180	OR51B2	olfactory receptor, family 51, subfamily B, member 2	-1.822223	Inlier
siRNA-Temozolomide Run1-DMSO	NM_033180	OR51B2	olfactory receptor, family 51, subfamily B, member 2	-0.738864	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0331 80	OR51B2	olfactory receptor, family 51, subfamily B, member 2	-0.268327	Inlier
siRNA Disorazole DMSO Run2	NM_0331 80	OR51B2	olfactory receptor, family 51, subfamily B, member 2	0.268327	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0331 80	OR51B2	olfactory receptor, family 51, subfamily B, member 2	0.553162	Inlier
siRNA Disorazole DMSO Run3	NM_0331 80	OR51B2	olfactory receptor, family 51, subfamily B, member 2	0.610136	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0331 80	OR51B2	olfactory receptor, family 51, subfamily B, member 2	1.091658	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0331 79	OR51B4	olfactory receptor, family 51, subfamily B, member 4	-1.27901	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0331 79	OR51B4	olfactory receptor, family 51, subfamily B, member 4	-1.108193	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0331 79	OR51B4	olfactory receptor, family 51, subfamily B, member 4	-0.833684	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0331 79	OR51B4	olfactory receptor, family 51, subfamily B, member 4	-0.131486	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0331 79	OR51B4	olfactory receptor, family 51, subfamily B, member 4	0.131486	Inlier
siRNA Disorazole DMSO Run3	NM_0331 79	OR51B4	olfactory receptor, family 51, subfamily B, member 4	0.210809	Inlier
siRNA Disorazole DMSO Run1	NM_0331 79	OR51B4	olfactory receptor, family 51, subfamily B, member 4	0.515316	Inlier
siRNA Disorazole DMSO Run2	NM_0331 79	OR51B4	olfactory receptor, family 51, subfamily B, member 4	2.03457	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0307 74	OR51E2	olfactory receptor, family 51, subfamily E, member 2	-1.735083	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0307 74	OR51E2	olfactory receptor, family 51, subfamily E, member 2	-0.631122	Inlier
siRNA Disorazole DMSO Run2	NM_0307 74	OR51E2	olfactory receptor, family 51, subfamily E, member 2	-0.414147	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0307 74	OR51E2	olfactory receptor, family 51, subfamily E, member 2	-0.364797	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0307 74	OR51E2	olfactory receptor, family 51, subfamily E, member 2	0.364797	Inlier
siRNA Disorazole DMSO Run1	NM_0307 74	OR51E2	olfactory receptor, family 51, subfamily E, member 2	0.717878	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0307 74	OR51E2	olfactory receptor, family 51, subfamily E, member 2	1.412923	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0307 74	OR51E2	olfactory receptor, family 52, subfamily E, member 2	1.471719	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0123 75	OR52A1	olfactory receptor, family 52, subfamily A, member 1	-1.591846	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0123 75	OR52A1	olfactory receptor, family 52, subfamily A, member 1	-0.654676	Inlier
siRNA Disorazole DMSO Run2	NM_0123 75	OR52A1	olfactory receptor, family 52, subfamily A, member 1	-0.582145	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0123 75	OR52A1	olfactory receptor, family 52, subfamily A, member 1	-0.336201	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0123 75	OR52A1	olfactory receptor, family 52, subfamily A, member 1	0.336201	Inlier
siRNA Disorazole DMSO Run1	NM_0123 75	OR52A1	olfactory receptor, family 52, subfamily A, member 1	0.694323	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0123 75	OR52A1	olfactory receptor, family 52, subfamily A, member 1	1.988223	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0123 75	OR52A1	olfactory receptor, family 5, subfamily F, member 1	2.926849	Inlier
siRNA Disorazole DMSO Run1	NM_0036 97	OR5F1	olfactory receptor, family 5, subfamily F, member 1	-2.027417	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0036 97	OR5F1	olfactory receptor, family 5, subfamily F, member 1	-0.917189	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0036 97	OR5F1	olfactory receptor, family 5, subfamily F, member 1	-0.244356	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0036 97	OR5F1	olfactory receptor, family 5, subfamily F, member 1	-0.219156	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0036 97	OR5F1	olfactory receptor, family 5, subfamily F, member 1	0.219157	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0036 97	OR5F1	olfactory receptor, family 5, subfamily F, member 1	0.431811	Inlier
siRNA Disorazole DMSO Run2	NM_0036 97	OR5F1	olfactory receptor, family 5, subfamily F, member 1	1.427206	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0036 97	OR5F1	olfactory receptor, family 5, subfamily F, member 1	2.746931	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 05514	OR5H14	olfactory receptor, family 5, subfamily H, member 14	-0.957319	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 05514	OR5H14	olfactory receptor, family 5, subfamily H, member 14	-0.602013	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 05514	OR5H14	olfactory receptor, family 5, subfamily H, member 14	-0.332511	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

				olfactory receptor, family 5, subfamily H, member 14	
siRNA Disorazole DMSO Run1	NM_0010 05514	OR5H14			-0.254319 Inlier
				olfactory receptor, family 5, subfamily H, member 14	
siRNA Disorazole DMSO Run2	NM_0010 05514	OR5H14			0.254319 Inlier
				olfactory receptor, family 5, subfamily H, member 14	
siRNA-Vinblastine Run1-DMSO	NM_0010 05514	OR5H14			0.746987 Inlier
				olfactory receptor, family 5, subfamily H, member 14	
siRNA Disorazole DMSO Run3	NM_0010 05514	OR5H14			0.748512 Inlier
				olfactory receptor, family 5, subfamily H, member 14	
siRNA-Vinblastine Run2-DMSO	NM_0010 05514	OR5H14			0.92911 Inlier
				olfactory receptor, family 5, subfamily I, member 1	
siRNA-Temozolomide Run3-DMSO	NM_0066 37	OR5I1			-1.548033 Inlier
				olfactory receptor, family 5, subfamily I, member 1	
siRNA Disorazole DMSO Run2	NM_0066 37	OR5I1			-1.163915 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0066 37	OR5I1	olfactory receptor, family 5, subfamily I, member 1	-0.44022	Inlier
siRNA Disorazole DMSO Run1	NM_0066 37	OR5I1	olfactory receptor, family 5, subfamily I, member 1	-0.000308	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0066 37	OR5I1	olfactory receptor, family 5, subfamily I, member 1	0.000308	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0066 37	OR5I1	olfactory receptor, family 5, subfamily I, member 1	0.073364	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0066 37	OR5I1	olfactory receptor, family 5, subfamily I, member 1	0.90878	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0066 37	OR5I1	olfactory receptor, family 5, subfamily I, member 1	0.90924	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1534 44	OR5P2	olfactory receptor, family 5, subfamily P, member 2	-1.731323	Inlier
siRNA Disorazole DMSO Run2	NM_1534 44	OR5P2	olfactory receptor, family 5, subfamily P, member 2	-1.707482	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_1534 44	OR5P2	olfactory receptor, family 5, subfamily P, member 2	-0.343952	Inlier
siRNA Disorazole DMSO Run3	NM_1534 44	OR5P2	olfactory receptor, family 5, subfamily P, member 2	-0.080573	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1534 44	OR5P2	olfactory receptor, family 5, subfamily P, member 2	0.080574	Inlier
siRNA Disorazole DMSO Run1	NM_1534 44	OR5P2	olfactory receptor, family 5, subfamily P, member 2	0.286367	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1534 44	OR5P2	olfactory receptor, family 5, subfamily P, member 2	1.005048	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1534 44	OR5P2	olfactory receptor, family 5, subfamily P, member 2	1.192194	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1534 45	OR5P3	olfactory receptor, family 5, subfamily P, member 3	-1.265027	Inlier
siRNA Disorazole DMSO Run3	NM_1534 45	OR5P3	olfactory receptor, family 5, subfamily P, member 3	-0.690445	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_1534 45	OR5P3	olfactory receptor, family 5, subfamily P, member 3	-0.553926	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1534 45	OR5P3	olfactory receptor, family 5, subfamily P, member 3	-0.246035	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1534 45	OR5P3	olfactory receptor, family 5, subfamily P, member 3	0.246035	Inlier
siRNA Disorazole DMSO Run1	NM_1534 45	OR5P3	olfactory receptor, family 5, subfamily P, member 3	0.658555	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1534 45	OR5P3	olfactory receptor, family 5, subfamily P, member 3	0.917633	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1534 45	OR5P3	olfactory receptor, family 5, subfamily P, member 3	1.326126	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0308 76	OR5V1	olfactory receptor, family 5, subfamily V, member 1	-1.682432	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0308 76	OR5V1	olfactory receptor, family 5, subfamily V, member 1	-0.627631	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0308 76	OR5V1	olfactory receptor, family 5, subfamily V, member 1	-0.560755	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0308 76	OR5V1	olfactory receptor, family 5, subfamily V, member 1	-0.258812	Inlier
siRNA Disorazole DMSO Run3	NM_0308 76	OR5V1	olfactory receptor, family 5, subfamily V, member 1	0.258812	Inlier
siRNA Disorazole DMSO Run1	NM_0308 76	OR5V1	olfactory receptor, family 5, subfamily V, member 1	0.721369	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0308 76	OR5V1	olfactory receptor, family 5, subfamily V, member 1	1.424626	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0308 76	OR5V1	olfactory receptor, family 6, subfamily A, member 2	1.497754	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0036 96	OR6A2	olfactory receptor, family 6, subfamily A, member 2	-1.069715	Inlier
siRNA Disorazole DMSO Run3	NM_0036 96	OR6A2	olfactory receptor, family 6, subfamily A, member 2	-0.739311	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0036 96	OR6A2	olfactory receptor, family 6, subfamily A, member 2	-0.609689	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0036 96	OR6A2	olfactory receptor, family 6, subfamily A, member 2	-0.222573	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0036 96	OR6A2	olfactory receptor, family 6, subfamily A, member 2	0.222573	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0036 96	OR6A2	olfactory receptor, family 6, subfamily A, member 2	0.586412	Inlier
siRNA Disorazole DMSO Run1	NM_0036 96	OR6A2	olfactory receptor, family 6, subfamily A, member 2	0.792163	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0036 96	OR6A2	olfactory receptor, family 7, subfamily A, member 2	0.93902	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0309 01	OR7A17	olfactory receptor, family 7, subfamily A, member 17	-1.180134	Inlier
siRNA Disorazole DMSO Run2	NM_0309 01	OR7A17	olfactory receptor, family 7, subfamily A, member 17	-0.820152	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_030901	OR7A17	olfactory receptor, family 7, subfamily A, member 17	-0.528848	Inlier
siRNA-Temozolomide Run2-DMSO	NM_030901	OR7A17	olfactory receptor, family 7, subfamily A, member 17	-0.386039	Inlier
siRNA Disorazole DMSO Run3	NM_030901	OR7A17	olfactory receptor, family 7, subfamily A, member 17	0.38604	Inlier
siRNA Disorazole DMSO Run1	NM_030901	OR7A17	olfactory receptor, family 7, subfamily A, member 17	0.391085	Inlier
siRNA-Vinblastine Run2-DMSO	NM_030901	OR7A17	olfactory receptor, family 7, subfamily A, member 17	0.908974	Inlier
siRNA-Vinblastine Run1-DMSO	NM_030901	OR7A17	olfactory receptor, family 7, subfamily A, member 17	0.964938	Inlier
siRNA Disorazole DMSO Run2	NM_017506	OR7A5	olfactory receptor, family 7, subfamily A, member 5	-1.098416	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_017506	OR7A5	olfactory receptor, family 7, subfamily A, member 5	-0.939391	Inlier
siRNA-Temozolomide Run2-DMSO	NM_017506	OR7A5	olfactory receptor, family 7, subfamily A, member 5	-0.659952	Inlier
siRNA-Temozolomide Run1-DMSO	NM_017506	OR7A5	olfactory receptor, family 7, subfamily A, member 5	-0.001532	Inlier
siRNA Disorazole DMSO Run1	NM_017506	OR7A5	olfactory receptor, family 7, subfamily A, member 5	0.001533	Inlier
siRNA-Vinblastine Run2-DMSO	NM_017506	OR7A5	olfactory receptor, family 7, subfamily A, member 5	0.460082	Inlier
siRNA-Vinblastine Run1-DMSO	NM_017506	OR7A5	olfactory receptor, family 7, subfamily A, member 5	0.689048	Inlier
siRNA Disorazole DMSO Run3	NM_017506	OR7A5	olfactory receptor, family 7, subfamily A, member 5	0.921775	Inlier
siRNA-Temozolomide Run3-DMSO	NM_012377	OR7C2	olfactory receptor, family 7, subfamily C, member 2	-4.190269	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0123 77	OR7C2	olfactory receptor, family 7, subfamily C, member 2	-3.450736	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0123 77	OR7C2	olfactory receptor, family 7, subfamily C, member 2	-0.51596	Inlier
siRNA Disorazole DMSO Run3	NM_0123 77	OR7C2	olfactory receptor, family 7, subfamily C, member 2	-0.156662	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0123 77	OR7C2	olfactory receptor, family 7, subfamily C, member 2	0.156662	Inlier
siRNA Disorazole DMSO Run1	NM_0123 77	OR7C2	olfactory receptor, family 7, subfamily C, member 2	0.583311	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0123 77	OR7C2	olfactory receptor, family 7, subfamily C, member 2	0.765689	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0123 77	OR7C2	olfactory receptor, family 8, subfamily C, member 2	1.970877	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0123 78	OR8B8	olfactory receptor, family 8, subfamily B, member 8	-1.067752	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0123 78	OR8B8	olfactory receptor, family 8, subfamily B, member 8	-0.774436	Inlier
siRNA Disorazole DMSO Run1	NM_0123 78	OR8B8	olfactory receptor, family 8, subfamily B, member 8	-0.419676	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0123 78	OR8B8	olfactory receptor, family 8, subfamily B, member 8	-0.054029	Inlier
siRNA Disorazole DMSO Run3	NM_0123 78	OR8B8	olfactory receptor, family 8, subfamily B, member 8	0.054028	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0123 78	OR8B8	olfactory receptor, family 8, subfamily B, member 8	0.574564	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0123 78	OR8B8	olfactory receptor, family 8, subfamily B, member 8	2.00178	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0123 78	OR8B8	olfactory receptor, family 8, subfamily B, member 8	2.168373	Inlier
siRNA Disorazole DMSO Run1	XM_37066 2	OR8G2	olfactory receptor, family 8, subfamily G, member 2	-1.036955	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	XM_37066 2	OR8G2	olfactory receptor, family 8, subfamily G, member 2	-0.312045	Inlier
siRNA-Temozolomide Run3-DMSO	XM_37066 2	OR8G2	olfactory receptor, family 8, subfamily G, member 2	-0.11306	Inlier
siRNA-Temozolomide Run2-DMSO	XM_37066 2	OR8G2	olfactory receptor, family 8, subfamily G, member 2	-0.060274	Inlier
siRNA Disorazole DMSO Run3	XM_37066 2	OR8G2	olfactory receptor, family 8, subfamily G, member 2	0.060274	Inlier
siRNA-Temozolomide Run1-DMSO	XM_37066 2	OR8G2	olfactory receptor, family 8, subfamily G, member 2	1.126379	Inlier
siRNA Disorazole DMSO Run2	XM_37066 2	OR8G2	olfactory receptor, family 8, subfamily G, member 2	1.74652	Inlier
siRNA-Vinblastine Run1-DMSO	XM_37066 2	OR8G2	olfactory receptor, family 8, subfamily G, member 2	2.615482	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0006 07	ORM1	orosomucoid 1	-1.233856	Inlier
siRNA Disorazole DMSO Run3	NM_0006 07	ORM1	orosomucoid 1	-0.623401	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0006 07	ORM1	orosomucoid 1	-0.601342	Inlier
siRNA Disorazole DMSO Run2	NM_0006 07	ORM1	orosomucoid 1	-0.2059	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0006 07	ORM1	orosomucoid 1	0.2059	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_0006		orosomuc		
siRNA Disorazole DMSO Run1	07	ORM1	oid 1	0.725599	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0006		orosomuc		
siRNA-Vinblastine Run2-DMSO	07	ORM1	oid 1	2.162691	Inlier
siRNA Disorazole DMSO Run3	NM_0006		orosomuc		
siRNA Disorazole DMSO Run3	56	OSBP	oid 1	2.404211	Inlier
siRNA Disorazole DMSO Run3	NM_0025		oxysterol		
siRNA Disorazole DMSO Run3	56	OSBP	binding	-1.337169	Inlier
siRNA Disorazole DMSO Run3	NM_0025		protein		
siRNA Disorazole DMSO Run3	56	OSBP	oxysterol	-1.076012	Inlier
siRNA Disorazole DMSO Run3	NM_0025		binding		
siRNA Disorazole DMSO Run3	56	OSBP	protein	-0.272988	Inlier
siRNA Disorazole DMSO Run3	NM_0025		oxysterol		
siRNA Disorazole DMSO Run3	56	OSBP	binding	-0.085027	Inlier
siRNA Disorazole DMSO Run3	NM_0025		protein		
siRNA Disorazole DMSO Run3	56	OSBP	oxysterol	0.085028	Inlier
siRNA Disorazole DMSO Run3	NM_0025		binding		
siRNA Disorazole DMSO Run3	56	OSBP	protein	0.187584	Inlier
siRNA Disorazole DMSO Run3	NM_0025		oxysterol		
siRNA Disorazole DMSO Run3	56	OSBP	binding	5.294773	Outlier
siRNA Disorazole DMSO Run3	NM_0025		protein		
siRNA Disorazole DMSO Run3	56	OSBP	oxysterol	5.498348	Outlier
siRNA Disorazole DMSO Run3	NM_0025		binding		
siRNA Disorazole DMSO Run3	56	OSBP	protein	-1.025982	Inlier
siRNA Disorazole DMSO Run3	NM_0010		oxysterol		
siRNA Disorazole DMSO Run3	03812	OSBP2	binding	-0.804547	Inlier
siRNA Disorazole DMSO Run3	NM_0010		protein		
siRNA Disorazole DMSO Run3	03812	OSBP2	oxysterol	-0.544453	Inlier
siRNA Disorazole DMSO Run3	NM_0010		binding		
siRNA Disorazole DMSO Run3	03812	OSBP2	protein	-0.084884	Inlier
siRNA Disorazole DMSO Run3	NM_0010		oxysterol		
siRNA Disorazole DMSO Run3	03812	OSBP2	binding	0.084884	Inlier
siRNA Disorazole DMSO Run3	NM_0010		protein		
siRNA Disorazole DMSO Run3	03812	OSBP2	oxysterol	0.286088	Inlier
siRNA Disorazole DMSO Run3	NM_0010		binding		
siRNA Disorazole DMSO Run3	03812	OSBP2	protein	1.66886	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Value	Outlier Status
siRNA Disorazole DMSO Run2	NM_0010 03812	OSBP2	oxysterol binding protein 2	1.727478	Inlier
siRNA Disorazole DMSO Run1	NM_0177 84	OSBPL10	oxysterol binding protein-like 10	-1.095246	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0177 84	OSBPL10	oxysterol binding protein-like 10	-0.490689	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0177 84	OSBPL10	oxysterol binding protein-like 10	-0.465164	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0177 84	OSBPL10	oxysterol binding protein-like 10	-0.22057	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0177 84	OSBPL10	oxysterol binding protein-like 10	0.220571	Inlier
siRNA Disorazole DMSO Run3	NM_0177 84	OSBPL10	oxysterol binding protein-like 10	0.858311	Inlier
siRNA Disorazole DMSO Run2	NM_0177 84	OSBPL10	oxysterol binding protein-like 10	2.421854	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0177 84	OSBPL10	oxysterol binding protein-like 10	3.403796	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0227 76	OSBPL11	oxysterol binding protein-like 11	-0.940094	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0227 76	OSBPL11	oxysterol binding protein-like 11	-0.807497	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0227 76	OSBPL11	oxysterol binding protein-like 11	-0.192342	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0227 76	OSBPL11	oxysterol binding protein-like 11	-0.049156	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0227 76	OSBPL11	oxysterol binding protein- like 11	0.049156	Inlier
siRNA Disorazole DMSO Run3	NM_0227 76	OSBPL11	oxysterol binding protein- like 11	0.541503	Inlier
siRNA Disorazole DMSO Run2	NM_0227 76	OSBPL11	oxysterol binding protein- like 11	1.192654	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0227 76	OSBPL11	oxysterol binding protein- like 11	1.409012	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0805 97	OSBPL1A	oxysterol binding protein- like 1A	-1.305298	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0805 97	OSBPL1A	oxysterol binding protein- like 1A	-0.660607	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0805 97	OSBPL1A	oxysterol binding protein- like 1A	-0.086408	Inlier
siRNA Disorazole DMSO Run3	NM_0805 97	OSBPL1A	oxysterol binding protein- like 1A	-0.040517	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0805 97	OSBPL1A	oxysterol binding protein- like 1A	0.040517	Inlier
siRNA Disorazole DMSO Run1	NM_0805 97	OSBPL1A	oxysterol binding protein- like 1A	0.688393	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0805 97	OSBPL1A	oxysterol binding protein- like 1A	0.698598	Inlier
siRNA Disorazole DMSO Run2	NM_0805 97	OSBPL1A	oxysterol binding protein- like 1A	0.899411	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0148 35	OSBPL2	oxysterol binding protein- like 2	-2.06671	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Value	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_0148 35	OSBPL2	oxysterol binding protein-like 2	-1.773635	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0148 35	OSBPL2	oxysterol binding protein-like 2	-0.805645	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0148 35	OSBPL2	oxysterol binding protein-like 2	-0.370997	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0148 35	OSBPL2	oxysterol binding protein-like 2	0.370997	Inlier
siRNA Disorazole DMSO Run3	NM_0148 35	OSBPL2	oxysterol binding protein-like 2	0.514512	Inlier
siRNA Disorazole DMSO Run1	NM_0148 35	OSBPL2	oxysterol binding protein-like 2	0.543355	Inlier
siRNA Disorazole DMSO Run2	NM_0148 35	OSBPL2	oxysterol binding protein-like 2	0.85839	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1456 38	OSBPL5	oxysterol binding protein-like 5	-1.507883	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1456 38	OSBPL5	oxysterol binding protein-like 5	-1.123477	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1456 38	OSBPL5	oxysterol binding protein-like 5	-0.09606	Inlier
siRNA Disorazole DMSO Run3	NM_1456 38	OSBPL5	oxysterol binding protein-like 5	-0.047653	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1456 38	OSBPL5	oxysterol binding protein-like 5	0.047653	Inlier
siRNA Disorazole DMSO Run1	NM_1456 38	OSBPL5	oxysterol binding protein-like 5	0.525576	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Value	Category
siRNA Disorazole DMSO Run2	NM_1456 38	OSBPL5	oxysterol binding protein-like 5	0.823424	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1456 38	OSBPL5	oxysterol binding protein-like 5	1.060316	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1457 98	OSBPL7	oxysterol binding protein-like 7	-2.236125	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1457 98	OSBPL7	oxysterol binding protein-like 7	-0.732762	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1457 98	OSBPL7	oxysterol binding protein-like 7	-0.242316	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1457 98	OSBPL7	oxysterol binding protein-like 7	-0.230203	Inlier
siRNA Disorazole DMSO Run3	NM_1457 98	OSBPL7	oxysterol binding protein-like 7	0.230202	Inlier
siRNA Disorazole DMSO Run1	NM_1457 98	OSBPL7	oxysterol binding protein-like 7	0.616238	Inlier
siRNA Disorazole DMSO Run2	NM_1457 98	OSBPL7	oxysterol binding protein-like 7	2.023696	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1457 98	OSBPL7	oxysterol binding protein-like 7	2.402436	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 03712	OSBPL8	oxysterol binding protein-like 8	-1.892269	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 03712	OSBPL8	oxysterol binding protein-like 8	-0.991457	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 03712	OSBPL8	oxysterol binding protein-like 8	-0.053213	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0010 03712	OSBPL8	oxysterol binding protein- like 8	-0.049705	Inlier
siRNA Disorazole DMSO Run1	NM_0010 03712	OSBPL8	oxysterol binding protein- like 8	0.049705	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0010 03712	OSBPL8	oxysterol binding protein- like 8	0.357543	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0010 03712	OSBPL8	oxysterol binding protein- like 8	2.184015	Inlier
siRNA Disorazole DMSO Run2	NM_0010 03712	OSBPL8	oxysterol binding protein- like 8	4.317164	Outlier
siRNA Disorazole DMSO Run1	NM_1489 08	OSBPL9	oxysterol binding protein- like 9	-1.429488	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1489 08	OSBPL9	oxysterol binding protein- like 9	-0.911592	Inlier
siRNA Disorazole DMSO Run3	NM_1489 08	OSBPL9	oxysterol binding protein- like 9	-0.043834	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1489 08	OSBPL9	oxysterol binding protein- like 9	-0.001942	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1489 08	OSBPL9	oxysterol binding protein- like 9	0.001943	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1489 08	OSBPL9	oxysterol binding protein- like 9	0.437408	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1489 08	OSBPL9	oxysterol binding protein- like 9	1.03112	Inlier
siRNA Disorazole DMSO Run2	NM_1489 08	OSBPL9	oxysterol binding protein- like 9	1.248711	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_017807	OSGEP	O-sialoglyco protein endopeptidase	-2.1751	Inlier
siRNA-Temozolomide Run2-DMSO	NM_017807	OSGEP	O-sialoglyco protein endopeptidase	-2.049238	Inlier
siRNA-Temozolomide Run1-DMSO	NM_017807	OSGEP	O-sialoglyco protein endopeptidase	-0.578064	Inlier
siRNA Disorazole DMSO Run1	NM_017807	OSGEP	O-sialoglyco protein endopeptidase	-0.205441	Inlier
siRNA Disorazole DMSO Run2	NM_017807	OSGEP	O-sialoglyco protein endopeptidase	0.205441	Inlier
siRNA Disorazole DMSO Run3	NM_017807	OSGEP	O-sialoglyco protein endopeptidase	0.331077	Inlier
siRNA-Vinblastine Run2-DMSO	NM_017807	OSGEP	O-sialoglyco protein endopeptidase	0.770936	Inlier
siRNA-Vinblastine Run1-DMSO	NM_017807	OSGEP	O-sialoglyco protein endopeptidase	0.881146	Inlier
siRNA-Temozolomide Run3-DMSO	NM_022353	OSGEPL1	O-sialoglyco protein endopeptidase-like 1	-0.98358	Inlier
siRNA-Temozolomide Run2-DMSO	NM_022353	OSGEPL1	O-sialoglyco protein endopeptidase-like 1	-0.411202	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0223 53	OSGEPL1	O-sialoglyco protein endopepti dase-like 1	-0.358492	Inlier
siRNA Disorazole DMSO Run3	NM_0223 53	OSGEPL1	O-sialoglyco protein endopepti dase-like 1	-0.318406	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0223 53	OSGEPL1	O-sialoglyco protein endopepti dase-like 1	0.318406	Inlier
siRNA Disorazole DMSO Run1	NM_0223 53	OSGEPL1	O-sialoglyco protein endopepti dase-like 1	0.937798	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0223 53	OSGEPL1	O-sialoglyco protein endopepti dase-like 1	0.965195	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0223 53	OSGEPL1	O-sialoglyco protein endopepti dase-like 1	1.45113	Inlier
siRNA Disorazole DMSO Run1	NM_0039 99	OSMR	oncostatin M receptor	-1.119429	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0039 99	OSMR	oncostatin M receptor	-0.721214	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0039 99	OSMR	oncostatin M receptor	-0.504817	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0039 99	OSMR	oncostatin M receptor	-0.061933	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0039 99	OSMR	oncostatin M receptor	0.061934	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0039 99	OSMR	oncostatin M receptor	0.627786	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0039 99	OSMR	oncostatin M receptor	1.356275	Inlier
siRNA Disorazole DMSO Run2	NM_0039 99	OSMR	oncostatin M receptor	2.799864	Inlier
siRNA Disorazole DMSO Run2	NM_0051 09	OSR1	oxidative- stress responsive 1	-2.533787	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0051 09	OSR1	oxidative- stress responsive 1	-1.784667	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0051 09	OSR1	oxidative- stress responsive 1	-0.61525	Inlier
siRNA Disorazole DMSO Run3	NM_0051 09	OSR1	oxidative- stress responsive 1	-0.173508	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0051 09	OSR1	oxidative- stress responsive 1	0.173508	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0051 09	OSR1	oxidative- stress responsive 1	0.420905	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0051 09	OSR1	oxidative- stress responsive 1	0.73375	Inlier
siRNA Disorazole DMSO Run1	NM_0051 09	OSR1	oxidative- stress responsive 1	1.218157	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0123 82	OSRF	OSRF	-0.724212	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0123 82	OSRF	OSRF	-0.712115	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0123 82	OSRF	OSRF	-0.533788	Inlier
siRNA Disorazole DMSO Run2	NM_0123 82	OSRF	OSRF	-0.31215	Inlier
siRNA Disorazole DMSO Run1	NM_0123 82	OSRF	OSRF	0.31215	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_0123				
siRNA Disorazole DMSO Run3	82	OSRF	OSRF	0.636885	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0123 82	OSRF	OSRF	0.9533	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0123 82	OSRF	OSRF	1.219049	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0005 31	OTC	ornithine carbamoyl transferase	-1.065618	Inlier
siRNA Disorazole DMSO Run1	NM_0005 31	OTC	ornithine carbamoyl transferase	-0.283382	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0005 31	OTC	ornithine carbamoyl transferase	-0.253409	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0005 31	OTC	ornithine carbamoyl transferase	-0.247118	Inlier
siRNA Disorazole DMSO Run3	NM_0005 31	OTC	ornithine carbamoyl transferase	0.247118	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0005 31	OTC	ornithine carbamoyl transferase	1.099027	Inlier
siRNA Disorazole DMSO Run2	NM_0005 31	OTC	ornithine carbamoyl transferase	2.001478	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0005 31	OTC	OTU domain, ubiquitin	2.357646	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0176 70	OTUB1	aldehyde binding 1	-0.839917	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0176 70	OTUB1	OTU domain, ubiquitin aldehyde binding 1	-0.827286	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Condition	Run	Gene	OTU	Value	Category
siRNA Disorazole	DMSO	Run2	OTUB1	domain, ubiquitin aldehyde binding 1	-0.521714	Inlier
siRNA Disorazole	DMSO	Run1	OTUB1	domain, ubiquitin aldehyde binding 1	-0.203742	Inlier
siRNA-Temozolomide	DMSO	Run1	OTUB1	domain, ubiquitin aldehyde binding 1	0.203743	Inlier
siRNA Disorazole	DMSO	Run3	OTUB1	domain, ubiquitin aldehyde binding 1	0.274004	Inlier
siRNA-Vinblastine	DMSO	Run2	OTUB1	domain, ubiquitin aldehyde binding 1	0.82959	Inlier
siRNA-Vinblastine	DMSO	Run1	OTUB1	domain, ubiquitin aldehyde binding 1	0.889662	Inlier
siRNA Disorazole	DMSO	Run2	OVCH1	ovochoyama se 1	-0.740986	Inlier
siRNA-Temozolomide	DMSO	Run2	OVCH1	ovochoyama se 1	-0.723058	Inlier
siRNA-Temozolomide	DMSO	Run3	OVCH1	ovochoyama se 1	-0.625942	Inlier
siRNA Disorazole	DMSO	Run3	OVCH1	ovochoyama se 1	-0.048488	Inlier
siRNA Disorazole	DMSO	Run1	OVCH1	ovochoyama se 1	0.048488	Inlier
siRNA-Temozolomide	DMSO	Run1	OVCH1	ovochoyama se 1	0.216468	Inlier
siRNA-Vinblastine	DMSO	Run1	OVCH1	ovochoyama se 1	0.905757	Inlier
siRNA-Vinblastine	DMSO	Run2	OVCH1	ovochoyama se 1	0.914977	Inlier
siRNA-Temozolomide	DMSO	Run3	OVTN	ovochoyama se 2	-0.946687	Inlier
siRNA-Temozolomide	DMSO	Run2	OVTN	ovochoyama se 2	-0.40835	Inlier
siRNA Disorazole	DMSO	Run1	OVTN	ovochoyama se 2	-0.129625	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA-Temozolomide Run1- DMSO	NM_1981 85	OVTN	ovochoyama se 2	-0.036247	Inlier
siRNA Disorazole DMSO Run3	NM_1981 85	OVTN	ovochoyama se 2	0.036247	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1981 85	OVTN	ovochoyama se 2	0.94065	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1981 85	OVTN	ovochoyama se 2	1.17311	Inlier
siRNA Disorazole DMSO Run2	NM_1981 85	OVTN	ovochoyama se 2	1.193856	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0004 36	OXCT1	3-oxoacid CoA transferas e 1	-1.497485	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0004 36	OXCT1	3-oxoacid CoA transferas e 1	-0.818072	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0004 36	OXCT1	3-oxoacid CoA transferas e 1	-0.183651	Inlier
siRNA Disorazole DMSO Run3	NM_0004 36	OXCT1	3-oxoacid CoA transferas e 1	-0.043265	Inlier
siRNA Disorazole DMSO Run1	NM_0004 36	OXCT1	3-oxoacid CoA transferas e 1	0.043265	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0004 36	OXCT1	3-oxoacid CoA transferas e 1	0.530928	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0004 36	OXCT1	3-oxoacid CoA transferas e 1	2.954972	Inlier
siRNA Disorazole DMSO Run2	NM_0004 36	OXCT1	3-oxoacid CoA transferas e 1	2.991862	Inlier
siRNA Disorazole DMSO Run1	NM_0221 20	OXCT2	3-oxoacid CoA transferas e 2	-1.227229	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0221 20	OXCT2	3-oxoacid CoA transferas e 2	-0.957867	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0221 20	OXCT2	3-oxoacid CoA transferase 2	-0.391133	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0221 20	OXCT2	3-oxoacid CoA transferase 2	-0.050975	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0221 20	OXCT2	3-oxoacid CoA transferase 2	0.050975	Inlier
siRNA Disorazole DMSO Run3	NM_0221 20	OXCT2	3-oxoacid CoA transferase 2	0.347442	Inlier
siRNA Disorazole DMSO Run2	NM_0221 20	OXCT2	3-oxoacid CoA transferase 2	2.040749	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0221 20	OXCT2	3-oxoacid CoA transferase 2	3.499646	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1489 62	OXER1	oxoeicosanoid (OXE) receptor 1	-1.51046	Inlier
siRNA Disorazole DMSO Run2	NM_1489 62	OXER1	oxoeicosanoid (OXE) receptor 1	-0.685012	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1489 62	OXER1	oxoeicosanoid (OXE) receptor 1	-0.108609	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1489 62	OXER1	oxoeicosanoid (OXE) receptor 1	-0.0712	Inlier
siRNA Disorazole DMSO Run3	NM_1489 62	OXER1	oxoeicosanoid (OXE) receptor 1	0.0712	Inlier
siRNA Disorazole DMSO Run1	NM_1489 62	OXER1	oxoeicosanoid (OXE) receptor 1	0.663988	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1489 62	OXER1	oxoeicosanoid (OXE) receptor 1	0.81751	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_148962	OXER1	oxoeicosanoid (OXE) receptor 1	1.101897	Inlier
siRNA-Temozolomide Run3-DMSO	NM_080818	OXGR1	oxoglutarate (alpha-ketoglutarate) receptor 1	-1.100857	Inlier
siRNA Disorazole DMSO Run3	NM_080818	OXGR1	oxoglutarate (alpha-ketoglutarate) receptor 1	-0.486846	Inlier
siRNA Disorazole DMSO Run2	NM_080818	OXGR1	oxoglutarate (alpha-ketoglutarate) receptor 1	-0.46969	Inlier
siRNA-Temozolomide Run2-DMSO	NM_080818	OXGR1	oxoglutarate (alpha-ketoglutarate) receptor 1	-0.339658	Inlier
siRNA-Temozolomide Run1-DMSO	NM_080818	OXGR1	oxoglutarate (alpha-ketoglutarate) receptor 1	0.339658	Inlier
siRNA Disorazole DMSO Run1	NM_080818	OXGR1	oxoglutarate (alpha-ketoglutarate) receptor 1	0.862154	Inlier
siRNA-Vinblastine Run1-DMSO	NM_080818	OXGR1	oxoglutarate (alpha-ketoglutarate) receptor 1	1.687996	Inlier
siRNA-Vinblastine Run2-DMSO	NM_080818	OXGR1	oxoglutarate (alpha-ketoglutarate) receptor 1	1.690244	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000916	OXTR	oxytocin receptor	-1.58159	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000916	OXTR	oxytocin receptor	-0.68064	Inlier
siRNA Disorazole DMSO Run2	NM_000916	OXTR	oxytocin receptor	-0.463641	Inlier
siRNA Disorazole DMSO Run3	NM_000916	OXTR	oxytocin receptor	-0.088616	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Temozolomide Run1-DMSO	NM_000916	OXTR	oxytocin receptor	0.088616	Inlier
siRNA-Disorazole DMSO Run1	NM_000916	OXTR	oxytocin receptor	0.66836	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000916	OXTR	oxytocin receptor	1.360446	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000916	OXTR	oxytocin receptor	1.426693	Inlier
siRNA-Temozolomide Run3-DMSO	NM_014308	P101-PI3K	phosphoinositide-3-kinase, regulatory subunit 5, p101	-1.410657	Inlier
siRNA-Temozolomide Run1-DMSO	NM_014308	P101-PI3K	phosphoinositide-3-kinase, regulatory subunit 5, p101	-1.352688	Inlier
siRNA-Disorazole DMSO Run1	NM_014308	P101-PI3K	phosphoinositide-3-kinase, regulatory subunit 5, p101	-0.71031	Inlier
siRNA-Temozolomide Run2-DMSO	NM_014308	P101-PI3K	phosphoinositide-3-kinase, regulatory subunit 5, p101	-0.431257	Inlier
siRNA-Vinblastine Run1-DMSO	NM_014308	P101-PI3K	phosphoinositide-3-kinase, regulatory subunit 5, p101	0.431257	Inlier
siRNA-Vinblastine Run2-DMSO	NM_014308	P101-PI3K	phosphoinositide-3-kinase, regulatory subunit 5, p101	0.599913	Inlier
siRNA-Disorazole DMSO Run2	NM_014308	P101-PI3K	phosphoinositide-3-kinase, regulatory subunit 5, p101	0.63869	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

				phosphoinositide-3-kinase, regulatory subunit 5,	
siRNA Disorazole DMSO Run3	NM_0143	08	P101-PI3K	p101	4.175575 Outlier
siRNA-Temozolomide Run3-DMSO	NM_0060	25	P11	P11	-1.051859 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0060	25	P11	P11	-0.864839 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0060	25	P11	P11	-0.320655 Inlier
siRNA Disorazole DMSO Run3	NM_0060	25	P11	P11	-0.171931 Inlier
siRNA Disorazole DMSO Run2	NM_0060	25	P11	P11	0.171931 Inlier
siRNA Disorazole DMSO Run1	NM_0060	25	P11	P11	0.484161 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0060	25	P11	P11	1.317753 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0060	25	P11	P11	1.586661 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0181	70	P15RS	P15RS	-1.26603 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0181	70	P15RS	P15RS	-0.848318 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0181	70	P15RS	P15RS	-0.349633 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0181	70	P15RS	P15RS	-0.167479 Inlier
siRNA Disorazole DMSO Run1	NM_0181	70	P15RS	P15RS	0.16748 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0181	70	P15RS	P15RS	0.598601 Inlier
siRNA Disorazole DMSO Run2	NM_0181	70	P15RS	P15RS	0.750399 Inlier
siRNA Disorazole DMSO Run3	NM_0181	70	P15RS	P15RS	2.476075 Inlier
				purinergic receptor P2X, ligand-gated ion channel, 1	
siRNA Disorazole DMSO Run2	NM_0025	58	P2RX1	channel, 1	-0.922622 Inlier
				purinergic receptor P2X, ligand-gated ion channel, 1	
siRNA-Temozolomide Run3-DMSO	NM_0025	58	P2RX1	channel, 1	-0.776826 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0025 58	P2RX1	purinergic receptor P2X, ligand- gated ion channel, 1	-0.572174	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0025 58	P2RX1	purinergic receptor P2X, ligand- gated ion channel, 1	-0.266603	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0025 58	P2RX1	purinergic receptor P2X, ligand- gated ion channel, 1	0.266603	Inlier
siRNA Disorazole DMSO Run1	NM_0025 58	P2RX1	purinergic receptor P2X, ligand- gated ion channel, 1	0.27218	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0025 58	P2RX1	purinergic receptor P2X, ligand- gated ion channel, 1	0.891988	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0025 58	P2RX1	purinergic receptor P2X, ligand- gated ion channel, 1	0.905845	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1706 82	P2RX2	purinergic receptor P2X, ligand- gated ion channel, 2	-1.865173	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_1706 82	P2RX2	purinergic receptor P2X, ligand- gated ion channel, 2	-0.831223	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1706 82	P2RX2	purinergic receptor P2X, ligand- gated ion channel, 2	-0.326206	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1706 82	P2RX2	purinergic receptor P2X, ligand- gated ion channel, 2	-0.283923	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1706 82	P2RX2	purinergic receptor P2X, ligand- gated ion channel, 2	0.283923	Inlier
siRNA Disorazole DMSO Run1	NM_1706 82	P2RX2	purinergic receptor P2X, ligand- gated ion channel, 2	0.649648	Inlier
siRNA Disorazole DMSO Run3	NM_1706 82	P2RX2	purinergic receptor P2X, ligand- gated ion channel, 2	0.699352	Inlier
siRNA Disorazole DMSO Run2	NM_1706 82	P2RX2	purinergic receptor P2X, ligand- gated ion channel, 2	0.906769	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0025 59	P2RX3	purinergic receptor P2X, ligand- gated ion channel, 3	-1.173246	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0025 59	P2RX3	purinergic receptor P2X, ligand- gated ion channel, 3	-0.747119	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0025 59	P2RX3	purinergic receptor P2X, ligand- gated ion channel, 3	-0.601881	Inlier
siRNA Disorazole DMSO Run3	NM_0025 59	P2RX3	purinergic receptor P2X, ligand- gated ion channel, 3	-0.181155	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0025 59	P2RX3	purinergic receptor P2X, ligand- gated ion channel, 3	0.181155	Inlier
siRNA Disorazole DMSO Run1	NM_0025 59	P2RX3	purinergic receptor P2X, ligand- gated ion channel, 3	0.184286	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0025 59	P2RX3	purinergic receptor P2X, ligand- gated ion channel, 3	0.989691	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_002559	P2RX3	purinergic receptor P2X, ligand-gated ion channel, 3	1.086739	Inlier
siRNA-Temozolomide Run3-DMSO	NM_175568	P2RX4	purinergic receptor P2X, ligand-gated ion channel, 4	-2.232329	Inlier
siRNA-Temozolomide Run2-DMSO	NM_175568	P2RX4	purinergic receptor P2X, ligand-gated ion channel, 4	-0.698472	Inlier
siRNA Disorazole DMSO Run2	NM_175568	P2RX4	purinergic receptor P2X, ligand-gated ion channel, 4	-0.526499	Inlier
siRNA Disorazole DMSO Run1	NM_175568	P2RX4	purinergic receptor P2X, ligand-gated ion channel, 4	-0.237764	Inlier
siRNA Disorazole DMSO Run3	NM_175568	P2RX4	purinergic receptor P2X, ligand-gated ion channel, 4	0.237764	Inlier
siRNA-Temozolomide Run1-DMSO	NM_175568	P2RX4	purinergic receptor P2X, ligand-gated ion channel, 4	0.650528	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_1755 68	P2RX4	purinergic receptor P2X, ligand- gated ion channel, 4	1.153468	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1755 68	P2RX4	purinergic receptor P2X, ligand- gated ion channel, 4	1.64401	Inlier
siRNA Disorazole DMSO Run2	NM_1750 81	P2RX5	purinergic receptor P2X, ligand- gated ion channel, 5	-3.075084	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1750 81	P2RX5	purinergic receptor P2X, ligand- gated ion channel, 5	-2.381667	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1750 81	P2RX5	purinergic receptor P2X, ligand- gated ion channel, 5	-0.510781	Inlier
siRNA Disorazole DMSO Run1	NM_1750 81	P2RX5	purinergic receptor P2X, ligand- gated ion channel, 5	-0.162031	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1750 81	P2RX5	purinergic receptor P2X, ligand- gated ion channel, 5	0.162031	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_1750 81	P2RX5	purinergic receptor P2X, ligand- gated ion channel, 5	0.221681	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1750 81	P2RX5	purinergic receptor P2X, ligand- gated ion channel, 5	0.838219	Inlier
siRNA Disorazole DMSO Run3	NM_1750 81	P2RX5	purinergic receptor P2X, ligand- gated ion channel, 5	1.064882	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0025 62	P2RX7	purinergic receptor P2X, ligand- gated ion channel, 7	-1.791839	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0025 62	P2RX7	purinergic receptor P2X, ligand- gated ion channel, 7	-1.630848	Inlier
siRNA Disorazole DMSO Run2	NM_0025 62	P2RX7	purinergic receptor P2X, ligand- gated ion channel, 7	-0.407264	Inlier
siRNA Disorazole DMSO Run3	NM_0025 62	P2RX7	purinergic receptor P2X, ligand- gated ion channel, 7	-0.057781	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0025 62	P2RX7	purinergic receptor P2X, ligand- gated ion channel, 7	0.057781	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0025 62	P2RX7	purinergic receptor P2X, ligand- gated ion channel, 7	0.500954	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0025 62	P2RX7	purinergic receptor P2X, ligand- gated ion channel, 7	0.848046	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0025 62	P2RX7	purinergic receptor P2X, ligand- gated ion channel, 7	1.257496	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0054 46	P2RXL1	purinergic receptor P2X-like 1, orphan receptor	-1.419526	Inlier
siRNA Disorazole DMSO Run2	NM_0054 46	P2RXL1	purinergic receptor P2X-like 1, orphan receptor	-1.341542	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0054 46	P2RXL1	purinergic receptor P2X-like 1, orphan receptor	-0.781472	Inlier
siRNA Disorazole DMSO Run1	NM_0054 46	P2RXL1	purinergic receptor P2X-like 1, orphan receptor	-0.145713	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0054 46	P2RXL1	purinergic receptor P2X-like 1, orphan receptor	0.145713	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0054 46	P2RXL1	purinergic receptor P2X-like 1, orphan receptor	0.253677	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0054 46	P2RXL1	purinergic receptor P2X-like 1, orphan receptor	0.588368	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0054 46	P2RXL1	purinergic receptor P2X-like 1, orphan receptor	0.760632	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0025 63	P2RY1	purinergic receptor P2Y, G- protein coupled, 1	-0.893001	Inlier
siRNA Disorazole DMSO Run2	NM_0025 63	P2RY1	purinergic receptor P2Y, G- protein coupled, 1	-0.70262	Inlier
siRNA Disorazole DMSO Run3	NM_0025 63	P2RY1	purinergic receptor P2Y, G- protein coupled, 1	-0.550642	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0025 63	P2RY1	purinergic receptor P2Y, G- protein coupled, 1	-0.273837	Inlier
siRNA Disorazole DMSO Run1	NM_0025 63	P2RY1	purinergic receptor P2Y, G- protein coupled, 1	0.273836	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_002563	P2RY1	purinergic receptor P2Y, G-protein coupled, 1	0.64638	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002563	P2RY1	purinergic receptor P2Y, G-protein coupled, 1	1.006579	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002563	P2RY1	purinergic receptor P2Y, G-protein coupled, 1	1.672556	Inlier
siRNA-Temozolomide Run3-DMSO	NM_014499	P2RY10	purinergic receptor P2Y, G-protein coupled, 10	-1.162626	Inlier
siRNA-Temozolomide Run2-DMSO	NM_014499	P2RY10	purinergic receptor P2Y, G-protein coupled, 10	-0.706174	Inlier
siRNA Disorazole DMSO Run2	NM_014499	P2RY10	purinergic receptor P2Y, G-protein coupled, 10	-0.642826	Inlier
siRNA Disorazole DMSO Run3	NM_014499	P2RY10	purinergic receptor P2Y, G-protein coupled, 10	-0.256254	Inlier
siRNA-Temozolomide Run1-DMSO	NM_014499	P2RY10	purinergic receptor P2Y, G-protein coupled, 10	0.256254	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0144 99	P2RY10	purinergic receptor P2Y, G- protein coupled, 10	0.328338	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0144 99	P2RY10	purinergic receptor P2Y, G- protein coupled, 10	0.750835	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0144 99	P2RY10	purinergic receptor P2Y, G- protein coupled, 10	0.900477	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0025 66	P2RY11	purinergic receptor P2Y, G- protein coupled, 11	-1.540867	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0025 66	P2RY11	purinergic receptor P2Y, G- protein coupled, 11	-1.337291	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0025 66	P2RY11	purinergic receptor P2Y, G- protein coupled, 11	-0.273079	Inlier
siRNA Disorazole DMSO Run1	NM_0025 66	P2RY11	purinergic receptor P2Y, G- protein coupled, 11	-0.091407	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0025 66	P2RY11	purinergic receptor P2Y, G- protein coupled, 11	0.091407	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_1768 76	P2RY12	purinergic receptor P2Y, G- protein coupled, 12	0.415505 Inlier
siRNA-Vinblastine Run2- DMSO	NM_1768 76	P2RY12	purinergic receptor P2Y, G- protein coupled, 12	0.58759 Inlier
siRNA-Vinblastine Run1- DMSO	NM_1768 76	P2RY12	purinergic receptor P2Y, G- protein coupled, 12	0.76141 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0239 14	P2RY13	purinergic receptor P2Y, G- protein coupled, 13	-7.626282 Outlier
siRNA-Temozolomide Run2- DMSO	NM_0239 14	P2RY13	purinergic receptor P2Y, G- protein coupled, 13	-4.15514 Outlier
siRNA Disorazole DMSO Run1	NM_0239 14	P2RY13	purinergic receptor P2Y, G- protein coupled, 13	-0.472953 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0239 14	P2RY13	purinergic receptor P2Y, G- protein coupled, 13	-0.275758 Inlier
siRNA Disorazole DMSO Run2	NM_0239 14	P2RY13	purinergic receptor P2Y, G- protein coupled, 13	0.27576 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Accession	Receptor Type	Value	Outlier Status
siRNA-Vinblastine Run2-DMSO	NM_0239	14	P2RY13	13	0.392601 Inlier
siRNA Disorazole DMSO Run3	NM_0239	14	P2RY13	13	0.876047 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0239	14	P2RY13	13	1.059566 Inlier
siRNA Disorazole DMSO Run2	NM_0148	79	P2RY14	14	-0.807053 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0148	79	P2RY14	14	-0.712978 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0148	79	P2RY14	14	-0.636022 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0148	79	P2RY14	14	-0.033627 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0148	79	P2RY14	14	0.033627 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0148 79	P2RY14	purinergic receptor P2Y, G- protein coupled, 14	0.103188	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0148 79	P2RY14	purinergic receptor P2Y, G- protein coupled, 14	1.178654	Inlier
siRNA Disorazole DMSO Run3	NM_0148 79	P2RY14	purinergic receptor P2Y, G- protein coupled, 14	2.787613	Inlier
siRNA Disorazole DMSO Run2	NM_1760 72	P2RY2	purinergic receptor P2Y, G- protein coupled, 2	-2.071529	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1760 72	P2RY2	purinergic receptor P2Y, G- protein coupled, 2	-1.36594	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1760 72	P2RY2	purinergic receptor P2Y, G- protein coupled, 2	-0.67294	Inlier
siRNA Disorazole DMSO Run3	NM_1760 72	P2RY2	purinergic receptor P2Y, G- protein coupled, 2	-0.010553	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1760 72	P2RY2	purinergic receptor P2Y, G- protein coupled, 2	0.010552	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_1760 72	P2RY2	purinergic receptor P2Y, G- protein coupled, 2	0.610591	Inlier
siRNA Disorazole DMSO Run1	NM_1760 72	P2RY2	purinergic receptor P2Y, G- protein coupled, 2	0.67606	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1760 72	P2RY2	purinergic receptor P2Y, G- protein coupled, 2	0.778255	Inlier
siRNA Disorazole DMSO Run2	NM_0025 65	P2RY4	pyrimidiner gic receptor P2Y, G- protein coupled, 4	-0.993258	Inlier
siRNA Disorazole DMSO Run1	NM_0025 65	P2RY4	pyrimidiner gic receptor P2Y, G- protein coupled, 4	-0.660269	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0025 65	P2RY4	pyrimidiner gic receptor P2Y, G- protein coupled, 4	-0.30864	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0025 65	P2RY4	pyrimidiner gic receptor P2Y, G- protein coupled, 4	-0.061951	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0025 65	P2RY4	pyrimidiner gic receptor P2Y, G- protein coupled, 4	0.061951	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0025 65	P2RY4	pyrimidiner gic receptor P2Y, G- protein coupled, 4	0.688731	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0025 65	P2RY4	pyrimidiner gic receptor P2Y, G- protein coupled, 4	0.761112	Inlier
siRNA Disorazole DMSO Run3	NM_0025 65	P2RY4	pyrimidiner gic receptor P2Y, G- protein coupled, 4	1.696687	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0057 67	P2RY5	purinergic receptor P2Y, G- protein coupled, 5	-1.43442	Inlier
siRNA Disorazole DMSO Run2	NM_0057 67	P2RY5	purinergic receptor P2Y, G- protein coupled, 5	-1.011441	Inlier
siRNA Disorazole DMSO Run3	NM_0057 67	P2RY5	purinergic receptor P2Y, G- protein coupled, 5	-0.623517	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0057 67	P2RY5	purinergic receptor P2Y, G- protein coupled, 5	-0.081494	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0057 67	P2RY5	purinergic receptor P2Y, G- protein coupled, 5	0.081494 Inlier
siRNA Disorazole DMSO Run1	NM_0057 67	P2RY5	purinergic receptor P2Y, G- protein coupled, 5	0.163521 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0057 67	P2RY5	purinergic receptor P2Y, G- protein coupled, 5	0.725483 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0057 67	P2RY5	purinergic receptor P2Y, G- protein coupled, 5	0.98412 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0041 54	P2RY6	pyrimidiner gic receptor P2Y, G- protein coupled, 6	-1.116932 Inlier
siRNA Disorazole DMSO Run2	NM_0041 54	P2RY6	pyrimidiner gic receptor P2Y, G- protein coupled, 6	-1.070796 Inlier
siRNA Disorazole DMSO Run3	NM_0041 54	P2RY6	pyrimidiner gic receptor P2Y, G- protein coupled, 6	-0.786246 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0041 54	P2RY6	pyrimidiner gic receptor P2Y, G- protein coupled, 6	-0.039333 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0041 54	P2RY6	pyrimidiner gic receptor P2Y, G- protein coupled, 6	0.039333	Inlier
siRNA Disorazole DMSO Run1	NM_0041 54	P2RY6	pyrimidiner gic receptor P2Y, G- protein coupled, 6	0.1227	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0041 54	P2RY6	pyrimidiner gic receptor P2Y, G- protein coupled, 6	0.593071	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0041 54	P2RY6	pyrimidiner gic receptor P2Y, G- protein coupled, 6	0.755929	Inlier
siRNA Disorazole DMSO Run2	NM_1781 29	P2RY8	purinergic receptor P2Y, G- protein coupled, 8	-2.467234	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1781 29	P2RY8	purinergic receptor P2Y, G- protein coupled, 8	-0.787613	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1781 29	P2RY8	purinergic receptor P2Y, G- protein coupled, 8	-0.766641	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1781 29	P2RY8	purinergic receptor P2Y, G- protein coupled, 8	-0.340065	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_1781 29	P2RY8	purinergic receptor P2Y, G- protein coupled, 8	0.340065 Inlier
siRNA Disorazole DMSO Run1	NM_1781 29	P2RY8	purinergic receptor P2Y, G- protein coupled, 8	0.35387 Inlier
siRNA-Vinblastine Run1-DMSO	NM_1781 29	P2RY8	purinergic receptor P2Y, G- protein coupled, 8	0.582359 Inlier
siRNA Disorazole DMSO Run3	NM_1781 29	P2RY8	purinergic receptor P2Y, G- protein coupled, 8 procollage n-proline, 2- oxoglutarate 4- dioxygenase (proline 4- hydroxylase), alpha polypeptide I	0.892612 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 17962	P4HA1	procollage n-proline, 2- oxoglutarate 4- dioxygenase (proline 4- hydroxylase), alpha polypeptide I	-1.007209 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 17962	P4HA1	procollage n-proline, 2- oxoglutarate 4- dioxygenase (proline 4- hydroxylase), alpha polypeptide I	-0.621753 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0010 17962	P4HA1	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide I	-0.101545	Inlier
siRNA Disorazole DMSO Run1	NM_0010 17962	P4HA1	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide I	-0.021728	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 17962	P4HA1	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide I	0.021728	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 17962	P4HA1	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide I	0.727247	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0010 17962	P4HA1	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide I	2.447992	Inlier
siRNA Disorazole DMSO Run2	NM_0010 17962	P4HA1	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide I	2.488735	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 17974	P4HA2	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide II	-0.871911	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 17974	P4HA2	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide II	-0.574898	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0010 17974	P4HA2	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide II	-0.124186	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 17974	P4HA2	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide II	-0.032464	Inlier
siRNA Disorazole DMSO Run3	NM_0010 17974	P4HA2	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide II	0.032464	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 17974	P4HA2	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide II	0.774102	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0010 17974	P4HA2	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide II	1.168013	Inlier
siRNA Disorazole DMSO Run2	NM_0010 17974	P4HA2	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide II	1.425869	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1829 04	P4HA3	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide III	-1.048588	Inlier
siRNA Disorazole DMSO Run3	NM_1829 04	P4HA3	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide III	-0.693504	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_182904	P4HA3	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide III	-0.144631	Inlier
siRNA Disorazole DMSO Run1	NM_182904	P4HA3	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide III	-0.039908	Inlier
siRNA-Vinblastine Run2-DMSO	NM_182904	P4HA3	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide III	0.039908	Inlier
siRNA-Temozolomide Run1-DMSO	NM_182904	P4HA3	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide III	0.655496	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_182904	P4HA3	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide III	1.230953	Inlier
siRNA Disorazole DMSO Run2	NM_182904	P4HA3	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide III	2.025828	Inlier
siRNA Disorazole DMSO Run1	NM_000918	P4HB	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), beta polypeptide (protein disulfide isomerase ; thyroid hormone binding protein p55)	-3.673865	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

			procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), beta polypeptide (protein disulfide isomerase ; thyroid hormone binding protein p55)	-0.926972	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000918	P4HB	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), beta polypeptide (protein disulfide isomerase ; thyroid hormone binding protein p55)		
siRNA-Temozolomide Run1-DMSO	NM_000918	P4HB	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), beta polypeptide (protein disulfide isomerase ; thyroid hormone binding protein p55)	-0.314675	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

				procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), beta polypeptide (protein disulfide isomerase ; thyroid hormone binding protein p55)	
siRNA-Temozolomide Run3-DMSO	NM_000918	P4HB			-0.161199 Inlier
				procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), beta polypeptide (protein disulfide isomerase ; thyroid hormone binding protein p55)	
siRNA Disorazole DMSO Run3	NM_000918	P4HB			0.161202 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), beta polypeptide (protein disulfide isomerase ; thyroid hormone binding protein p55)	
siRNA-Vinblastine Run1-DMSO	NM_000918	P4HB	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), beta polypeptide (protein disulfide isomerase ; thyroid hormone binding protein p55)	0.422028 Inlier
siRNA-Vinblastine Run2-DMSO	NM_000918	P4HB	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), beta polypeptide (protein disulfide isomerase ; thyroid hormone binding protein p55)	0.964833 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Run	Gene	Cell Line	Value	Category
siRNA Disorazole DMSO	Run2 18	NM_0009	P4HB	4.611228	Outlier
siRNA-Temozolomide DMSO	Run3-91	NM_0061	PA2G4	-1.732044	Inlier
siRNA-Temozolomide DMSO	Run2-91	NM_0061	PA2G4	-0.91607	Inlier
siRNA-Temozolomide DMSO	Run1-91	NM_0061	PA2G4	-0.777419	Inlier
siRNA Disorazole DMSO	Run3 91	NM_0061	PA2G4	-0.12047	Inlier
siRNA Disorazole DMSO	Run1 91	NM_0061	PA2G4	0.120471	Inlier
siRNA-Vinblastine DMSO	Run2-91	NM_0061	PA2G4	0.200917	Inlier

procollage
 n-proline,
 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), beta polypeptide (protein disulfide isomerase ; thyroid hormone binding protein p55)

proliferation-associated 2G4, 38kDa
 proliferation-associated 2G4, 38kDa
 proliferation-associated 2G4, 38kDa
 proliferation-associated 2G4, 38kDa
 proliferation-associated 2G4, 38kDa
 proliferation-associated 2G4, 38kDa

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Target	Protein	Value	Inlier
siRNA Disorazole DMSO Run2	NM_0061 91	PA2G4	proliferatio n- associated 2G4, 38kDa	0.571581	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0061 91	PA2G4	proliferatio n- associated 2G4, 38kDa	0.880987	Inlier
siRNA Disorazole DMSO Run2	NM_0164 59	PACAP	PACAP	-1.137348	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0164 59	PACAP	PACAP	-0.888797	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0164 59	PACAP	PACAP	-0.460203	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0164 59	PACAP	PACAP	-0.021096	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0164 59	PACAP	PACAP	0.021096	Inlier
siRNA Disorazole DMSO Run1	NM_0164 59	PACAP	PACAP	0.336847	Inlier
siRNA Disorazole DMSO Run3	NM_0164 59	PACAP	PACAP	0.922075	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0164 59	PACAP	PACAP	1.080773	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0204 23	PACE-1	SCY1-like 3 (S. cerevisiae)	-1.711963	Inlier
siRNA Disorazole DMSO Run3	NM_0204 23	PACE-1	SCY1-like 3 (S. cerevisiae)	-0.701698	Inlier
siRNA Disorazole DMSO Run2	NM_0204 23	PACE-1	SCY1-like 3 (S. cerevisiae)	-0.278967	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0204 23	PACE-1	SCY1-like 3 (S. cerevisiae)	-0.045698	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0204 23	PACE-1	SCY1-like 3 (S. cerevisiae)	0.045698	Inlier
siRNA Disorazole DMSO Run1	NM_0204 23	PACE-1	SCY1-like 3 (S. cerevisiae)	0.671279	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0204 23	PACE-1	SCY1-like 3 (S. cerevisiae)	0.677721	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0204 23	PACE-1	SCY1-like 3 (S. cerevisiae)	0.950701	Inlier
siRNA Disorazole DMSO Run2	NM_0208 04	PACSIN1	protein kinase C and casein kinase substrate in neurons	-1.699541	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0208 04	PACSIN1	protein kinase C and casein kinase substrate in neurons	-1.337753	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0208 04	PACSIN1	protein kinase C and casein kinase substrate in neurons	-0.303109	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0208 04	PACSIN1	protein kinase C and casein kinase substrate in neurons	-0.176832	Inlier
siRNA Disorazole DMSO Run1	NM_0208 04	PACSIN1	protein kinase C and casein kinase substrate in neurons	0.176832	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0208 04	PACSIN1	1	protein kinase C and casein kinase substrate in neurons	0.408528 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0208 04	PACSIN1	1	protein kinase C and casein kinase substrate in neurons	0.940472 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0208 04	PACSIN1	1	protein kinase C and casein kinase substrate in neurons	1.534572 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0072 29	PACSIN2	2	protein kinase C and casein kinase substrate in neurons	-1.911879 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0072 29	PACSIN2	2	protein kinase C and casein kinase substrate in neurons	-1.173038 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0072 29	PACSIN2	2	protein kinase C and casein kinase substrate in neurons	-0.333603 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0072 29	PACSIN2	2	protein kinase C and casein kinase substrate in neurons	-0.137586 Inlier
siRNA Disorazole DMSO Run2	NM_0072 29	PACSIN2	2	protein kinase C and casein kinase substrate in neurons	0.137586 Inlier
siRNA Disorazole DMSO Run1	NM_0072 29	PACSIN2	2	protein kinase C and casein kinase substrate in neurons	0.360515 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0072 29	PACSIN2	2	protein kinase C and casein kinase substrate in neurons	0.988485 Inlier
siRNA Disorazole DMSO Run3	NM_0072 29	PACSIN2	2	protein kinase C and casein kinase substrate in neurons	1.405789 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0162 23	PACSIN3	3	protein kinase C and casein kinase substrate in neurons	-1.304745 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_016223	PACSIN3	protein kinase C and casein kinase substrate in neurons 3	-1.173133	Inlier
siRNA-Temozolomide Run2-DMSO	NM_016223	PACSIN3	protein kinase C and casein kinase substrate in neurons 3	-0.42466	Inlier
siRNA-Vinblastine Run1-DMSO	NM_016223	PACSIN3	protein kinase C and casein kinase substrate in neurons 3	-0.103259	Inlier
siRNA Disorazole DMSO Run1	NM_016223	PACSIN3	protein kinase C and casein kinase substrate in neurons 3	0.103258	Inlier
siRNA-Vinblastine Run2-DMSO	NM_016223	PACSIN3	protein kinase C and casein kinase substrate in neurons 3	0.301555	Inlier
siRNA Disorazole DMSO Run2	NM_016223	PACSIN3	protein kinase C and casein kinase substrate in neurons 3	0.92434	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0162 23	PACSN3	protein kinase C and casein kinase substrate in neurons	3	1.50553	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0133 58	PADI1	peptidyl arginine deiminase, type I		-2.089885	Inlier
siRNA Disorazole DMSO Run3	NM_0133 58	PADI1	peptidyl arginine deiminase, type I		-1.423769	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0133 58	PADI1	peptidyl arginine deiminase, type I		-0.755545	Inlier
siRNA Disorazole DMSO Run1	NM_0133 58	PADI1	peptidyl arginine deiminase, type I		-0.08238	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0133 58	PADI1	peptidyl arginine deiminase, type I		0.08238	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0133 58	PADI1	peptidyl arginine deiminase, type I		0.591187	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0133 58	PADI1	peptidyl arginine deiminase, type I		0.593455	Inlier
siRNA Disorazole DMSO Run2	NM_0133 58	PADI1	peptidyl arginine deiminase, type I		1.360216	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0162 33	PADI3	peptidyl arginine deiminase, type III		-1.14635	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0162 33	PADI3	peptidyl arginine deiminase, type III		-0.673961	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0162 33	PADI3	peptidyl arginine deiminase, type III		-0.62329	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0162 33	PADI3	peptidyl arginine deiminase, type III	-0.0177	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0162 33	PADI3	peptidyl arginine deiminase, type III	0.017699	Inlier
siRNA Disorazole DMSO Run1	NM_0162 33	PADI3	peptidyl arginine deiminase, type III	0.675039	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0162 33	PADI3	peptidyl arginine deiminase, type III	1.164145	Inlier
siRNA Disorazole DMSO Run2	NM_0162 33	PADI3	peptidyl arginine deiminase, type III	1.549256	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0123 87	PADI4	peptidyl arginine deiminase, type IV	-0.738588	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0123 87	PADI4	peptidyl arginine deiminase, type IV	-0.610412	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0123 87	PADI4	peptidyl arginine deiminase, type IV	-0.259895	Inlier
siRNA Disorazole DMSO Run3	NM_0123 87	PADI4	peptidyl arginine deiminase, type IV	-0.20519	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0123 87	PADI4	peptidyl arginine deiminase, type IV	0.20519	Inlier
siRNA Disorazole DMSO Run1	NM_0123 87	PADI4	peptidyl arginine deiminase, type IV	1.321136	Inlier
siRNA Disorazole DMSO Run2	NM_0123 87	PADI4	peptidyl arginine deiminase, type IV	3.535179	Outlier
siRNA-Vinblastine Run1- DMSO	NM_0123 87	PADI4	peptidyl arginine deiminase, type IV	3.79375	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_002571	PAEP	progesterone-associated endometrial protein (placental protein 14, pregnancy-associated endometrial alpha-2-globulin, alpha uterine protein)	-0.962293	Inlier
------------------------------	-----------	------	--	-----------	--------

siRNA-Temozolomide Run2-DMSO	NM_002571	PAEP	progesterone-associated endometrial protein (placental protein 14, pregnancy-associated endometrial alpha-2-globulin, alpha uterine protein)	-0.715769	Inlier
------------------------------	-----------	------	--	-----------	--------

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_002571	PAEP	progesterone-associated endometrial protein (placental protein 14, pregnancy-associated endometrial alpha-2-globulin, alpha uterine protein)	-0.633231	Inlier
-----------------------------	-----------	------	--	-----------	--------

siRNA-Temozolomide Run1-DMSO	NM_002571	PAEP	progesterone-associated endometrial protein (placental protein 14, pregnancy-associated endometrial alpha-2-globulin, alpha uterine protein)	-0.398991	Inlier
------------------------------	-----------	------	--	-----------	--------

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	71	NM_0025	PAEP	progestagen-associated endometrial protein (placental protein 14, pregnancy-associated endometrial alpha-2-globulin, alpha uterine protein)	0.398991	Inlier
----------------------------	----	---------	------	---	----------	--------

siRNA Disorazole DMSO Run1	71	NM_0025	PAEP	progestagen-associated endometrial protein (placental protein 14, pregnancy-associated endometrial alpha-2-globulin, alpha uterine protein)	0.603977	Inlier
----------------------------	----	---------	------	---	----------	--------

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0025 71	PAEP	progesterone-associated endometrial protein (placental protein 14, pregnancy-associated endometrial alpha-2-globulin, alpha uterine protein)	1.896852	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0025 71	PAEP	progesterone-associated endometrial protein (placental protein 14, pregnancy-associated endometrial alpha-2-globulin, alpha uterine protein), platelet-activating factor acetylhydrolase, isoform 1b, alpha	2.764226	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0004 30	PAFAH1B 1	alpha subunit 45kDa	-0.825079	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Transcript	Protein	Log2FC	Category
siRNA-Temozolomide Run2-DMSO	NM_0004	PAFAH1B	1	platelet-activating factor acetylhydrolase, isoform Ib, alpha subunit 45kDa	-0.523921	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0004	PAFAH1B	1	platelet-activating factor acetylhydrolase, isoform Ib, alpha subunit 45kDa	-0.519801	Inlier
siRNA Disorazole DMSO Run3	NM_0004	PAFAH1B	1	platelet-activating factor acetylhydrolase, isoform Ib, alpha subunit 45kDa	-0.513637	Inlier
siRNA Disorazole DMSO Run1	NM_0004	PAFAH1B	1	platelet-activating factor acetylhydrolase, isoform Ib, alpha subunit 45kDa	0.513637	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0004	PAFAH1B	1	platelet-activating factor acetylhydrolase, isoform Ib, alpha subunit 45kDa	1.701087	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Value	Category
siRNA-Vinblastine Run1-DMSO	NM_000430	PAFAH1B	platelet-activating factor acetylhydrolase, isoform Ib, alpha subunit 45kDa	3.614369	Outlier
siRNA Disorazole DMSO Run2	NM_000430	PAFAH1B	platelet-activating factor acetylhydrolase, isoform Ib, alpha subunit 45kDa	4.594857	Outlier
siRNA-Temozolomide Run3-DMSO	NM_002572	PAFAH1B	platelet-activating factor acetylhydrolase, isoform Ib, beta subunit 30kDa	-1.296672	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002572	PAFAH1B	platelet-activating factor acetylhydrolase, isoform Ib, beta subunit 30kDa	-1.162972	Inlier
siRNA Disorazole DMSO Run3	NM_002572	PAFAH1B	platelet-activating factor acetylhydrolase, isoform Ib, beta subunit 30kDa	-0.252695	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Run	Gene	Accession	Protein	Value	Outlier
siRNA-Vinblastine	Run2-DMSO	PFAFH1B	NM_002572	platelet-activating factor acetylhydrolase, isoform Ib, beta subunit 30kDa	-0.210053	Inlier
siRNA-Temozolomide	Run1-DMSO	PFAFH1B	NM_002572	platelet-activating factor acetylhydrolase, isoform Ib, beta subunit 30kDa	0.210053	Inlier
siRNA-Vinblastine	Run1-DMSO	PFAFH1B	NM_002572	platelet-activating factor acetylhydrolase, isoform Ib, beta subunit 30kDa	0.624391	Inlier
siRNA Disorazole	DMSO Run1	PFAFH1B	NM_002572	platelet-activating factor acetylhydrolase, isoform Ib, beta subunit 30kDa	0.724609	Inlier
siRNA Disorazole	DMSO Run2	PFAFH1B	NM_002572	platelet-activating factor acetylhydrolase, isoform Ib, beta subunit 30kDa	1.234715	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_002573	PAFAH1B3	platelet-activating factor acetylhydrolase, isoform Ib, gamma subunit 29kDa	-0.776939	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002573	PAFAH1B3	platelet-activating factor acetylhydrolase, isoform Ib, gamma subunit 29kDa	-0.572061	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002573	PAFAH1B3	platelet-activating factor acetylhydrolase, isoform Ib, gamma subunit 29kDa	-0.279755	Inlier
siRNA Disorazole DMSO Run1	NM_002573	PAFAH1B3	platelet-activating factor acetylhydrolase, isoform Ib, gamma subunit 29kDa	-0.098133	Inlier
siRNA Disorazole DMSO Run3	NM_002573	PAFAH1B3	platelet-activating factor acetylhydrolase, isoform Ib, gamma subunit 29kDa	0.098133	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_002573	PAFAH1B3	platelet-activating factor acetylhydrolase, isoform Ib, gamma subunit 29kDa	1.25555	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002573	PAFAH1B3	platelet-activating factor acetylhydrolase, isoform Ib, gamma subunit 29kDa	1.26783	Inlier
siRNA Disorazole DMSO Run2	NM_002573	PAFAH1B3	platelet-activating factor acetylhydrolase, isoform Ib, gamma subunit 29kDa	1.378157	Inlier
siRNA Disorazole DMSO Run3	NM_000437	PAFAH2	platelet-activating factor acetylhydrolase 2, 40kDa	-0.808841	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000437	PAFAH2	platelet-activating factor acetylhydrolase 2, 40kDa	-0.540159	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000437	PAFAH2	platelet-activating factor acetylhydrolase 2, 40kDa	-0.479686	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_000437	PAFAH2	platelet-activating factor acetylhydrolase 2, 40kDa	-0.273203	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000437	PAFAH2	platelet-activating factor acetylhydrolase 2, 40kDa	0.273203	Inlier
siRNA Disorazole DMSO Run1	NM_000437	PAFAH2	platelet-activating factor acetylhydrolase 2, 40kDa	0.860535	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000437	PAFAH2	platelet-activating factor acetylhydrolase 2, 40kDa	1.112188	Inlier
siRNA Disorazole DMSO Run2	NM_000437	PAFAH2	platelet-activating factor acetylhydrolase 2, 40kDa	1.540007	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000277	PAH	phenylalanine hydroxylase	-0.847206	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000277	PAH	phenylalanine hydroxylase	-0.69222	Inlier
siRNA Disorazole DMSO Run1	NM_000277	PAH	phenylalanine hydroxylase	-0.63211	Inlier
siRNA Disorazole DMSO Run3	NM_000277	PAH	phenylalanine hydroxylase	-0.026608	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000277	PAH	phenylalanine hydroxylase	0.026608	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_000277	PAH	phenylalanine hydroxylase	0.65678	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000277	PAH	phenylalanine hydroxylase	1.125796	Inlier
siRNA Disorazole DMSO Run2	NM_000277	PAH	phenylalanine hydroxylase	1.493739	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006452	PAICS	phosphoribosylaminimidazole carboxylase, phosphoribosylaminimidazole succinocarboxamide synthetase	-1.751343	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006452	PAICS	phosphoribosylaminimidazole carboxylase, phosphoribosylaminimidazole succinocarboxamide synthetase	-0.729489	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0064 52	PAICS	phosphori bosylamin oimidazole carboxylas e, phosphori bosylamin oimidazole succinocar boxamide synthetase	-0.619511 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0064 52	PAICS	phosphori bosylamin oimidazole carboxylas e, phosphori bosylamin oimidazole succinocar boxamide synthetase	-0.04812 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0064 52	PAICS	phosphori bosylamin oimidazole carboxylas e, phosphori bosylamin oimidazole succinocar boxamide synthetase	0.04812 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

			phosphori bosylamin oimidazole carboxylas e, phosphori bosylamin oimidazole succinocar boxamide synthetase	0.056399	Inlier
siRNA Disorazole DMSO Run1	NM_0064 52	PAICS			

			phosphori bosylamin oimidazole carboxylas e, phosphori bosylamin oimidazole succinocar boxamide synthetase	2.328365	Inlier
siRNA Disorazole DMSO Run2	NM_0064 52	PAICS			

			phosphori bosylamin oimidazole carboxylas e, phosphori bosylamin oimidazole succinocar boxamide synthetase	3.297329	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0064 52	PAICS	p21/Cdc42 /Rac1- activated kinase 1 (STE20 homolog, yeast)		

siRNA-Vinblastine Run1- DMSO	NM_0025 76	PAK1		-0.856026	Inlier
---------------------------------	---------------	------	--	-----------	--------

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein	Log Fold Change	Outlier Type
siRNA-Temozolomide Run1-DMSO	NM_002576	PAK1	p21/Cdc42/Rac1-activated kinase 1 (STE20 homolog, yeast)	-0.492974	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002576	PAK1	p21/Cdc42/Rac1-activated kinase 1 (STE20 homolog, yeast)	-0.421448	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002576	PAK1	p21/Cdc42/Rac1-activated kinase 1 (STE20 homolog, yeast)	-0.046843	Inlier
siRNA Disorazole DMSO Run1	NM_002576	PAK1	p21/Cdc42/Rac1-activated kinase 1 (STE20 homolog, yeast)	0.046844	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002576	PAK1	p21/Cdc42/Rac1-activated kinase 1 (STE20 homolog, yeast)	1.443119	Inlier
siRNA Disorazole DMSO Run3	NM_002576	PAK1	p21/Cdc42/Rac1-activated kinase 1 (STE20 homolog, yeast)	1.9473	Inlier
siRNA Disorazole DMSO Run2	NM_002576	PAK1	p21/Cdc42/Rac1-activated kinase 1 (STE20 homolog, yeast)	3.016347	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0025 77	PAK2	p21 (CDKN1A)- activated kinase 2	-1.328326	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0025 77	PAK2	p21 (CDKN1A)- activated kinase 2	-0.754153	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0025 77	PAK2	p21 (CDKN1A)- activated kinase 2	-0.594847	Inlier
siRNA Disorazole DMSO Run3	NM_0025 77	PAK2	p21 (CDKN1A)- activated kinase 2	-0.027255	Inlier
siRNA Disorazole DMSO Run1	NM_0025 77	PAK2	p21 (CDKN1A)- activated kinase 2	0.027255	Inlier
siRNA Disorazole DMSO Run2	NM_0025 77	PAK2	p21 (CDKN1A)- activated kinase 2	0.423157	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0025 77	PAK2	p21 (CDKN1A)- activated kinase 2	1.173636	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0025 77	PAK2	p21 (CDKN1A)- activated kinase 2	1.617912	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0025 78	PAK3	p21 (CDKN1A)- activated kinase 3	-1.455171	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0025 78	PAK3	p21 (CDKN1A)- activated kinase 3	-0.329197	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0025 78	PAK3	p21 (CDKN1A)- activated kinase 3	-0.21095	Inlier
siRNA Disorazole DMSO Run2	NM_0025 78	PAK3	p21 (CDKN1A)- activated kinase 3	-0.128694	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0025 78	PAK3	p21 (CDKN1A)- activated kinase 3	0.128694	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0025 78	PAK3	p21 (CDKN1A)- activated kinase 3	1.019803	Inlier
siRNA Disorazole DMSO Run3	NM_0025 78	PAK3	p21 (CDKN1A)- activated kinase 3	1.048957	Inlier
siRNA Disorazole DMSO Run1	NM_0025 78	PAK3	p21 (CDKN1A)- activated kinase 3	2.161759	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 14832	PAK4	p21(CDKN 1A)- activated kinase 4	-0.688741	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 14832	PAK4	p21(CDKN 1A)- activated kinase 4	-0.660259	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 14832	PAK4	p21(CDKN 1A)- activated kinase 4	-0.385475	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 14832	PAK4	p21(CDKN 1A)- activated kinase 4	-0.155221	Inlier
siRNA Disorazole DMSO Run1	NM_0010 14832	PAK4	p21(CDKN 1A)- activated kinase 4	0.155222	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 14832	PAK4	p21(CDKN 1A)- activated kinase 4	0.927561	Inlier
siRNA Disorazole DMSO Run2	NM_0010 14832	PAK4	p21(CDKN 1A)- activated kinase 4	1.014261	Inlier
siRNA Disorazole DMSO Run3	NM_0010 14832	PAK4	p21(CDKN 1A)- activated kinase 4	1.159322	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0201 68	PAK6	p21(CDKN 1A)- activated kinase 6	-0.985948	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0201 68	PAK6	p21(CDKN 1A)- activated kinase 6	-0.732668	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	PK	Gene	Value	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0201 68	PAK6	p21(CDKN1A)- activated kinase 6	-0.616332	Inlier
siRNA Disorazole DMSO Run2	NM_0201 68	PAK6	p21(CDKN1A)- activated kinase 6	-0.301661	Inlier
siRNA Disorazole DMSO Run1	NM_0201 68	PAK6	p21(CDKN1A)- activated kinase 6	0.301661	Inlier
siRNA Disorazole DMSO Run3	NM_0201 68	PAK6	p21(CDKN1A)- activated kinase 6	0.509375	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0201 68	PAK6	p21(CDKN1A)- activated kinase 6	1.532319	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0201 68	PAK6	p21(CDKN1A)- activated kinase 6	2.664271	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0203 41	PAK7	p21(CDKN1A)- activated kinase 7	-0.924849	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0203 41	PAK7	p21(CDKN1A)- activated kinase 7	-0.699013	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0203 41	PAK7	p21(CDKN1A)- activated kinase 7	-0.649987	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0203 41	PAK7	p21(CDKN1A)- activated kinase 7	-0.202304	Inlier
siRNA Disorazole DMSO Run1	NM_0203 41	PAK7	p21(CDKN1A)- activated kinase 7	0.202304	Inlier
siRNA Disorazole DMSO Run2	NM_0203 41	PAK7	p21(CDKN1A)- activated kinase 7	0.35219	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0203 41	PAK7	p21(CDKN1A)- activated kinase 7	1.757692	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0203 41	PAK7	p21(CDKN 1A)- activated kinase 7	2.625884	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1388 22	PAM	peptidylgly cine alpha- amidating monooxyg enase	-1.086015	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1388 22	PAM	peptidylgly cine alpha- amidating monooxyg enase	-0.815147	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1388 22	PAM	peptidylgly cine alpha- amidating monooxyg enase	-0.267527	Inlier
siRNA Disorazole DMSO Run1	NM_1388 22	PAM	peptidylgly cine alpha- amidating monooxyg enase	-0.156822	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1388 22	PAM	peptidylgly cine alpha- amidating monooxyg enase	0.156822	Inlier
siRNA Disorazole DMSO Run3	NM_1388 22	PAM	peptidylgly cine alpha- amidating monooxyg enase	0.533853	Inlier
siRNA Disorazole DMSO Run2	NM_1388 22	PAM	peptidylgly cine alpha- amidating monooxyg enase	1.001131	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1388 22	PAM	peptidylgly cine alpha- amidating monooxyg enase	1.403719	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0054 47	PAMCI	peptidylglycine alpha-amidating monooxygenase COOH-terminal interactor	-1.617375	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0054 47	PAMCI	peptidylglycine alpha-amidating monooxygenase COOH-terminal interactor	-0.871825	Inlier
siRNA Disorazole DMSO Run3	NM_0054 47	PAMCI	peptidylglycine alpha-amidating monooxygenase COOH-terminal interactor	-0.151276	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0054 47	PAMCI	peptidylglycine alpha-amidating monooxygenase COOH-terminal interactor	-0.121686	Inlier
siRNA Disorazole DMSO Run1	NM_0054 47	PAMCI	peptidylglycine alpha-amidating monooxygenase COOH-terminal interactor	0.121687	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0054 47	PAMCI	peptidylglycine alpha-amidating monooxygenase COOH-terminal interactor	0.477175	Inlier
siRNA Disorazole DMSO Run2	NM_0054 47	PAMCI	peptidylglycine alpha-amidating monooxygenase COOH-terminal interactor	1.34962	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0054 47	PAMCI	peptidylglycine alpha-amidating monooxygenase COOH-terminal interactor	1.956177	Inlier
siRNA Disorazole DMSO Run2	NM_1489 78	PANK1	pantothenate kinase 1	-0.942078	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1489 78	PANK1	pantothenate kinase 1	-0.791894	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1489 78	PANK1	pantothenate kinase 1	-0.603915	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1489 78	PANK1	pantothenate kinase 1	-0.216368	Inlier
siRNA Disorazole DMSO Run1	NM_1489 78	PANK1	pantothenate kinase 1	0.216368	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1489 78	PANK1	pantothenate kinase 1	0.241046	Inlier
siRNA Disorazole DMSO Run3	NM_1489 78	PANK1	pantothenate kinase 1	0.745085	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1489 78	PANK1	pantothenate kinase 1	0.84343	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_1536 40	PANK2	pantothenate kinase 2 (Hallervorden-Spatz syndrome)	-1.940558	Inlier
siRNA Disorazole DMSO Run2	NM_1536 40	PANK2	pantothenate kinase 2 (Hallervorden-Spatz syndrome)	-1.196862	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1536 40	PANK2	pantothenate kinase 2 (Hallervorden-Spatz syndrome)	-0.630491	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1536 40	PANK2	pantothenate kinase 2 (Hallervorden-Spatz syndrome)	-0.348005	Inlier
siRNA Disorazole DMSO Run1	NM_1536 40	PANK2	pantothenate kinase 2 (Hallervorden-Spatz syndrome)	0.348006	Inlier
siRNA Disorazole DMSO Run3	NM_1536 40	PANK2	pantothenate kinase 2 (Hallervorden-Spatz syndrome)	0.462955	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1536 40	PANK2	pantothenate kinase 2 (Hallervorden-Spatz syndrome)	0.718509	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_1536 40	PANK2	pantothenate kinase 2 (Hallervorden-Spatz syndrome)	0.978269	Inlier
siRNA Disorazole DMSO Run2	NM_0245 94	PANK3	pantothenate kinase 3	-0.91309	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0245 94	PANK3	pantothenate kinase 3	-0.771866	Inlier
siRNA Disorazole DMSO Run1	NM_0245 94	PANK3	pantothenate kinase 3	-0.078103	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0245 94	PANK3	pantothenate kinase 3	-0.074861	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0245 94	PANK3	pantothenate kinase 3	0.07486	Inlier
siRNA Disorazole DMSO Run3	NM_0245 94	PANK3	pantothenate kinase 3	0.577134	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0245 94	PANK3	pantothenate kinase 3	0.873782	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0245 94	PANK3	pantothenate kinase 3	0.927154	Inlier
siRNA Disorazole DMSO Run2	NM_0182 16	PANK4	pantothenate kinase 4	-2.885752	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0182 16	PANK4	pantothenate kinase 4	-0.966695	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0182 16	PANK4	pantothenate kinase 4	-0.792872	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0182 16	PANK4	pantothenate kinase 4	-0.001404	Inlier
siRNA Disorazole DMSO Run3	NM_0182 16	PANK4	pantothenate kinase 4	0.001403	Inlier
siRNA Disorazole DMSO Run1	NM_0182 16	PANK4	pantothenate kinase 4	0.132727	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0182 16	PANK4	pantothenate kinase 4	0.667002	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	siRNA	Gene	Protein	Log2FC	Outlier
siRNA-Vinblastine Run1-DMSO	NM_0182 16	PANK4	pantothenate kinase 4	0.681998	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1529 11	PAOX	polyamine oxidase (exo-N4-amino)	-1.207632	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1529 11	PAOX	polyamine oxidase (exo-N4-amino)	-1.144019	Inlier
siRNA Disorazole DMSO Run1	NM_1529 11	PAOX	polyamine oxidase (exo-N4-amino)	-0.33087	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1529 11	PAOX	polyamine oxidase (exo-N4-amino)	-0.090362	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1529 11	PAOX	polyamine oxidase (exo-N4-amino)	0.090362	Inlier
siRNA Disorazole DMSO Run3	NM_1529 11	PAOX	polyamine oxidase (exo-N4-amino)	0.217332	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1529 11	PAOX	polyamine oxidase (exo-N4-amino)	1.01813	Inlier
siRNA Disorazole DMSO Run2	NM_1529 11	PAOX	polyamine oxidase (exo-N4-amino)	2.090485	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0224 47	PAPD5	PAP associated domain containing 5	-1.53197	Inlier
siRNA Disorazole DMSO Run3	NM_0224 47	PAPD5	PAP associated domain containing 5	-0.846027	Inlier
siRNA Disorazole DMSO Run1	NM_0224 47	PAPD5	PAP associated domain containing 5	-0.368305	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Gene ID	Protein	Domain	Value	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0224	47	PAPD5	PAP associated domain containing 5	-0.266462	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0224	47	PAPD5	PAP associated domain containing 5	0.266462	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0224	47	PAPD5	PAP associated domain containing 5	0.502973	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0224	47	PAPD5	PAP associated domain containing 5	1.400676	Inlier
siRNA Disorazole DMSO Run2	NM_0224	47	PAPD5	PAP associated domain containing 5	2.020074	Inlier
siRNA Disorazole DMSO Run3	NM_0326	32	PAPOLA	poly(A) polymerase alpha	-1.415416	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0326	32	PAPOLA	poly(A) polymerase alpha	-0.913125	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0326	32	PAPOLA	poly(A) polymerase alpha	-0.514553	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0326	32	PAPOLA	poly(A) polymerase alpha	-0.025359	Inlier
siRNA Disorazole DMSO Run1	NM_0326	32	PAPOLA	poly(A) polymerase alpha	0.025359	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0326	32	PAPOLA	poly(A) polymerase alpha	0.091173	Inlier
siRNA Disorazole DMSO Run2	NM_0326	32	PAPOLA	poly(A) polymerase alpha	0.834447	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0326	32	PAPOLA	poly(A) polymerase alpha	0.881282	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0201 44	PAPOLB	poly(A) polymerase beta (testis specific)	-0.738232	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0201 44	PAPOLB	poly(A) polymerase beta (testis specific)	-0.721296	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0201 44	PAPOLB	poly(A) polymerase beta (testis specific)	-0.627704	Inlier
siRNA Disorazole DMSO Run3	NM_0201 44	PAPOLB	poly(A) polymerase beta (testis specific)	-0.216318	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0201 44	PAPOLB	poly(A) polymerase beta (testis specific)	0.216318	Inlier
siRNA Disorazole DMSO Run1	NM_0201 44	PAPOLB	poly(A) polymerase beta (testis specific)	0.378762	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0201 44	PAPOLB	poly(A) polymerase beta (testis specific)	1.190327	Inlier
siRNA Disorazole DMSO Run2	NM_0201 44	PAPOLB	poly(A) polymerase beta (testis specific)	1.434658	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0228 94	PAPOLG	poly(A) polymerase gamma	-0.962538	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0228 94	PAPOLG	poly(A) polymerase gamma	-0.875552	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0228 94	PAPOLG	poly(A) polymerase gamma	-0.473448	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0228 94	PAPOLG	poly(A) polymerase gamma	-0.295975	Inlier
siRNA Disorazole DMSO Run1	NM_0228 94	PAPOLG	poly(A) polymerase gamma	0.295975	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0228 94	PAPOLG	poly(A) polymerase gamma	0.299415	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0228 94	PAPOLG	poly(A) polymerase gamma	1.193316	Inlier
siRNA Disorazole DMSO Run2	NM_0228 94	PAPOLG	poly(A) polymerase gamma	1.386271	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0025 81	PAPPA	pregnancy- associated plasma protein A, pappalysin 1	-1.769019	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0025 81	PAPPA	pregnancy- associated plasma protein A, pappalysin 1	-1.469618	Inlier
siRNA Disorazole DMSO Run3	NM_0025 81	PAPPA	pregnancy- associated plasma protein A, pappalysin 1	-0.693857	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0025 81	PAPPA	pregnancy- associated plasma protein A, pappalysin 1	-0.141186	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0025 81	PAPPA	pregnancy-associated plasma protein A, pappalysin 1	1	0.141186	Inlier
siRNA Disorazole DMSO Run2	NM_0025 81	PAPPA	pregnancy-associated plasma protein A, pappalysin 1	1	0.146045	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0025 81	PAPPA	pregnancy-associated plasma protein A, pappalysin 1	1	0.655143	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0025 81	PAPPA	pregnancy-associated plasma protein A, pappalysin 1	1	0.776236	Inlier
siRNA Disorazole DMSO Run2	NM_0219 36	PAPPA2	pappalysin 2	2	-1.007865	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0219 36	PAPPA2	pappalysin 2	2	-0.688927	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0219 36	PAPPA2	pappalysin 2	2	-0.660073	Inlier
siRNA Disorazole DMSO Run3	NM_0219 36	PAPPA2	pappalysin 2	2	-0.018545	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0219 36	PAPPA2	pappalysin 2	2	0.018545	Inlier
siRNA Disorazole DMSO Run1	NM_0219 36	PAPPA2	pappalysin 2	2	0.33074	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0219 36	PAPPA2	pappalysin 2	2	0.939589	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0219 36	PAPPA2	pappalysin 2	2	1.018289	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0054 43	PAPSS1	3-phosphoadenosine 5-phosphosulfate synthase 1	1	-0.735816	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0054 43	PAPSS1	3-phosphoadenosine 5-phospho- ulphate synthase 1	-0.718623	Inlier
siRNA Disorazole DMSO Run2	NM_0054 43	PAPSS1	3-phosphoadenosine 5-phospho- ulphate synthase 1	-0.680933	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0054 43	PAPSS1	3-phosphoadenosine 5-phospho- ulphate synthase 1	-0.046726	Inlier
siRNA Disorazole DMSO Run1	NM_0054 43	PAPSS1	3-phosphoadenosine 5-phospho- ulphate synthase 1	0.046727	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0054 43	PAPSS1	3-phosphoadenosine 5-phospho- ulphate synthase 1	0.178838	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0054 43	PAPSS1	3-phosphoadenosine 5-phospho- ulphate synthase 1	0.668067	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0054 43	PAPSS1	3-phosphoadenosine 5-phospho-ulfate synthase 1	0.817966	Inlier
siRNA Disorazole DMSO Run2	NM_0010 15880	PAPSS2	3-phosphoadenosine 5-phospho-ulfate synthase 2	-0.764124	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 15880	PAPSS2	3-phosphoadenosine 5-phospho-ulfate synthase 2	-0.584876	Inlier
siRNA Disorazole DMSO Run3	NM_0010 15880	PAPSS2	3-phosphoadenosine 5-phospho-ulfate synthase 2	-0.105837	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 15880	PAPSS2	3-phosphoadenosine 5-phospho-ulfate synthase 2	-0.075989	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 15880	PAPSS2	3-phosphoadenosine 5-phospho-ulfate synthase 2	0.07599	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0010 15880	PAPSS2	3-phosphoadenosine 5-phosphosulfate synthase 2	0.822082	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 15880	PAPSS2	3-phosphoadenosine 5-phosphosulfate synthase 2	1.444665	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 15880	PAPSS2	3-phosphoadenosine 5-phosphosulfate synthase 2	1.454702	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0036 31	PARG	glycohydrolyase poly (ADP-ribose)	-2.586895	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0036 31	PARG	glycohydrolyase poly (ADP-ribose)	-2.35971	Inlier
siRNA Disorazole DMSO Run1	NM_0036 31	PARG	glycohydrolyase poly (ADP-ribose)	-0.380795	Inlier
siRNA Disorazole DMSO Run3	NM_0036 31	PARG	glycohydrolyase poly (ADP-ribose)	-0.087592	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0036 31	PARG	glycohydrolyase poly (ADP-ribose)	0.087592	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0036 31	PARG	glycohydrolyase poly (ADP-ribose)	0.158191	Inlier
siRNA Disorazole DMSO Run2	NM_0036 31	PARG	glycohydrolyase	0.968205	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_003631	PARG	poly (ADP-ribose) glycohydrolase	1.031235	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004815	PARG1	Rho GTPase activating protein 29	-1.807386	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004815	PARG1	Rho GTPase activating protein 29	-0.88312	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004815	PARG1	Rho GTPase activating protein 29	-0.783707	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004815	PARG1	Rho GTPase activating protein 29	-0.022459	Inlier
siRNA Disorazole DMSO Run3	NM_004815	PARG1	Rho GTPase activating protein 29	0.022459	Inlier
siRNA Disorazole DMSO Run1	NM_004815	PARG1	Rho GTPase activating protein 29	0.636155	Inlier
siRNA Disorazole DMSO Run2	NM_004815	PARG1	Rho GTPase activating protein 29	0.63776	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004815	PARG1	Rho GTPase activating protein 29 Parkinson disease (autosomal recessive, juvenile) 2,	0.71124	Inlier
siRNA-Temozolomide Run3-DMSO	NM_013988	PARK2	parkin Parkinson disease (autosomal recessive, juvenile) 2,	-0.83924	Inlier
siRNA Disorazole DMSO Run2	NM_013988	PARK2	parkin	-0.50976	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0139 88	PARK2	Parkinson disease (autosomal recessive, juvenile) 2, parkin	-0.496756	Inlier
siRNA Disorazole DMSO Run1	NM_0139 88	PARK2	Parkinson disease (autosomal recessive, juvenile) 2, parkin	-0.019808	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0139 88	PARK2	Parkinson disease (autosomal recessive, juvenile) 2, parkin	0.019808	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0139 88	PARK2	Parkinson disease (autosomal recessive, juvenile) 2, parkin	0.918496	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0139 88	PARK2	Parkinson disease (autosomal recessive, juvenile) 2, parkin	0.932883	Inlier
siRNA Disorazole DMSO Run3	NM_0139 88	PARK2	poly(A)-specific ribonuclease (deadenylation)	1.281975	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0025 82	PARN	nuclease)	-2.353622	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Enzyme	Log Fold Change	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_002582	PARN	poly(A)-specific ribonuclease (deadenylation nuclease)	-1.823909	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002582	PARN	poly(A)-specific ribonuclease (deadenylation nuclease)	-0.976224	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002582	PARN	poly(A)-specific ribonuclease (deadenylation nuclease)	-0.053313	Inlier
siRNA Disorazole DMSO Run1	NM_002582	PARN	poly(A)-specific ribonuclease (deadenylation nuclease)	0.053314	Inlier
siRNA Disorazole DMSO Run3	NM_002582	PARN	poly(A)-specific ribonuclease (deadenylation nuclease)	0.155157	Inlier
siRNA Disorazole DMSO Run2	NM_002582	PARN	poly(A)-specific ribonuclease (deadenylation nuclease)	0.467748	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002582	PARN	poly(A)-specific ribonuclease (deadenylation nuclease)	0.881252	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0016 18	PARP1	poly (ADP-ribose) polymerase family, member 1	-0.715359	Inlier
siRNA Disorazole DMSO Run1	NM_0016 18	PARP1	poly (ADP-ribose) polymerase family, member 1	-0.633641	Inlier
siRNA Disorazole DMSO Run3	NM_0016 18	PARP1	poly (ADP-ribose) polymerase family, member 1	-0.385389	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0016 18	PARP1	poly (ADP-ribose) polymerase family, member 1	-0.208095	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0016 18	PARP1	poly (ADP-ribose) polymerase family, member 1	0.208093	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0016 18	PARP1	poly (ADP-ribose) polymerase family, member 1	1.514278	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0016 18	PARP1	poly (ADP-ribose) polymerase family, member 1	1.716998	Inlier
siRNA Disorazole DMSO Run2	NM_0016 18	PARP1	poly (ADP-ribose) polymerase family, member 1	2.085032	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0054 84	PARP2	poly (ADP-ribose) polymerase family, member 2	-1.289931	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0054 84	PARP2	poly (ADP-ribose) polymerase family, member 2	-0.756748	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0054 84	PARP2	poly (ADP-ribose) polymerase family, member 2	-0.592252	Inlier
siRNA Disorazole DMSO Run3	NM_0054 84	PARP2	poly (ADP-ribose) polymerase family, member 2	-0.200749	Inlier
siRNA Disorazole DMSO Run1	NM_0054 84	PARP2	poly (ADP-ribose) polymerase family, member 2	0.200749	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0054 84	PARP2	poly (ADP-ribose) polymerase family, member 2	0.467192	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0054 84	PARP2	poly (ADP-ribose) polymerase family, member 2	2.879934	Inlier
siRNA Disorazole DMSO Run2	NM_0054 84	PARP2	poly (ADP-ribose) polymerase family, member 2	3.516866	Outlier
siRNA Disorazole DMSO Run1	NM_0054 85	PARP3	poly (ADP-ribose) polymerase family, member 3	-1.026003	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0054 85	PARP3	poly (ADP-ribose) polymerase family, member 3	-0.455812	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0054 85	PARP3	poly (ADP-ribose) polymerase family, member 3	-0.269468	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0054 85	PARP3	poly (ADP-ribose) polymerase family, member 3	-0.032866	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0054 85	PARP3	poly (ADP-ribose) polymerase family, member 3	0.032866	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0054 85	PARP3	poly (ADP-ribose) polymerase family, member 3	0.893188	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0054 85	PARP3	poly (ADP-ribose) polymerase family, member 3	1.278794	Inlier
siRNA Disorazole DMSO Run2	NM_0054 85	PARP3	poly (ADP-ribose) polymerase family, member 3	2.508637	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0064 37	PARP4	poly (ADP-ribose) polymerase family, member 4	-0.848344	Inlier
siRNA Disorazole DMSO Run3	NM_0064 37	PARP4	poly (ADP-ribose) polymerase family, member 4	-0.834536	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0064 37	PARP4	poly (ADP-ribose) polymerase family, member 4	-0.277474	Inlier
siRNA Disorazole DMSO Run1	NM_0064 37	PARP4	poly (ADP-ribose) polymerase family, member 4	-0.144624	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0064 37	PARP4	poly (ADP-ribose) polymerase family, member 4	0.144624	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0064 37	PARP4	poly (ADP-ribose) polymerase family, member 4	0.514463	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0064 37	PARP4	poly (ADP-ribose) polymerase family, member 4	2.522447	Inlier
siRNA Disorazole DMSO Run2	NM_0064 37	PARP4	poly (ADP-ribose) polymerase family, member 4	2.618478	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0151 48	PASK	PAS domain containing serine/threonine kinase	-0.808067	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0151 48	PASK	PAS domain containing serine/threonine kinase	-0.744602	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0151 48	PASK	PAS domain containing serine/threonine kinase	-0.604398	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0151 48	PASK	PAS domain containing serine/threonine kinase	-0.335219	Inlier
siRNA Disorazole DMSO Run1	NM_0151 48	PASK	PAS domain containing serine/threonine kinase	0.33522	Inlier
siRNA Disorazole DMSO Run2	NM_0151 48	PASK	PAS domain containing serine/threonine kinase	0.588443	Inlier
siRNA Disorazole DMSO Run3	NM_0151 48	PASK	PAS domain containing serine/threonine kinase	1.356386	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			PAS domain containing serine/threonine kinase	
siRNA-Vinblastine Run2-DMSO	NM_0151 48	PASK	kinase	1.743675 Inlier
siRNA-Temozolomide Run3-DMSO	NM_1382 94	PATE	PATE	-1.512797 Inlier
siRNA-Temozolomide Run1-DMSO	NM_1382 94	PATE	PATE	-0.549396 Inlier
siRNA-Vinblastine Run2-DMSO	NM_1382 94	PATE	PATE	-0.452744 Inlier
siRNA Disorazole DMSO Run3	NM_1382 94	PATE	PATE	-0.263973 Inlier
siRNA-Temozolomide Run2-DMSO	NM_1382 94	PATE	PATE	0.263974 Inlier
siRNA Disorazole DMSO Run1	NM_1382 94	PATE	PATE	0.799604 Inlier
siRNA Disorazole DMSO Run2	NM_1382 94	PATE	PATE	1.081996 Inlier
siRNA-Vinblastine Run1-DMSO	NM_1382 94	PATE	PATE	1.797199 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0221 72	PC	pyruvate carboxylase	-1.075567 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0221 72	PC	pyruvate carboxylase	-0.667292 Inlier
siRNA Disorazole DMSO Run3	NM_0221 72	PC	pyruvate carboxylase	-0.372489 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0221 72	PC	pyruvate carboxylase	-0.066018 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0221 72	PC	pyruvate carboxylase	0.066018 Inlier
siRNA Disorazole DMSO Run1	NM_0221 72	PC	pyruvate carboxylase	0.681708 Inlier
siRNA Disorazole DMSO Run2	NM_0221 72	PC	pyruvate carboxylase	0.712586 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0221 72	PC	pyruvate carboxylase	1.422089 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0067 13	PC4	PC4	-0.685943 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0067 13	PC4	PC4	-0.663057 Inlier
siRNA Disorazole DMSO Run2	NM_0067 13	PC4	PC4	-0.247214 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_0067				
siRNA Disorazole DMSO Run1	13	PC4	PC4	-0.061451	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0067 13	PC4	PC4	0.061451	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0067 13	PC4	PC4	0.898275	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0067 13	PC4	PC4	1.008042	Inlier
siRNA Disorazole DMSO Run3	NM_0067 13	PC4	PC4	1.680252	Inlier
siRNA Disorazole DMSO Run1	NM_0038 84	PCAF	p300/CBP-associated factor	-0.911134	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0038 84	PCAF	p300/CBP-associated factor	-0.80131	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0038 84	PCAF	p300/CBP-associated factor	-0.374217	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0038 84	PCAF	p300/CBP-associated factor	-0.349047	Inlier
siRNA Disorazole DMSO Run2	NM_0038 84	PCAF	p300/CBP-associated factor	0.349048	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0038 84	PCAF	p300/CBP-associated factor	0.54769	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0038 84	PCAF	p300/CBP-associated factor	1.075897	Inlier
siRNA Disorazole DMSO Run3	NM_0038 84	PCAF	p300/CBP-associated factor	1.712243	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0002 81	PCBD	6-pyruvoyl-tetrahydropterin synthase/dimerization cofactor of hepatocyte nuclear factor 1 alpha (TCF1)	-1.068671	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_000281	PCBD	6-pyruvoyl-tetrahydropterin synthase/dimerization cofactor of hepatocyte nuclear factor 1 alpha (TCF1)	-0.644462	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000281	PCBD	6-pyruvoyl-tetrahydropterin synthase/dimerization cofactor of hepatocyte nuclear factor 1 alpha (TCF1)	-0.33683	Inlier
siRNA Disorazole DMSO Run3	NM_000281	PCBD	6-pyruvoyl-tetrahydropterin synthase/dimerization cofactor of hepatocyte nuclear factor 1 alpha (TCF1)	-0.09571	Inlier
siRNA Disorazole DMSO Run1	NM_000281	PCBD	6-pyruvoyl-tetrahydropterin synthase/dimerization cofactor of hepatocyte nuclear factor 1 alpha (TCF1)	0.09571	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_000281	PCBD	6-pyruvoyl-tetrahydropterin synthase/dimerization cofactor of hepatocyte nuclear factor 1 alpha (TCF1)	0.704538	Inlier
siRNA Disorazole DMSO Run2	NM_000281	PCBD	6-pyruvoyl-tetrahydropterin synthase/dimerization cofactor of hepatocyte nuclear factor 1 alpha (TCF1)	3.069299	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000281	PCBD	6-pyruvoyl-tetrahydropterin synthase/dimerization cofactor of hepatocyte nuclear factor 1 alpha (TCF1)	4.275069	Outlier
siRNA-Temozolomide Run3-DMSO	NM_000282	PCCA	propionyl Coenzyme A carboxylase, alpha polypeptide	-2.436513	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_000282	PCCA	propionyl Coenzyme A carboxylase, alpha polypeptide	-0.42421	Inlier
siRNA Disorazole DMSO Run3	NM_000282	PCCA	propionyl Coenzyme A carboxylase, alpha polypeptide	-0.145095	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000282	PCCA	propionyl Coenzyme A carboxylase, alpha polypeptide	-0.019992	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000282	PCCA	propionyl Coenzyme A carboxylase, alpha polypeptide	0.019992	Inlier
siRNA Disorazole DMSO Run1	NM_000282	PCCA	propionyl Coenzyme A carboxylase, alpha polypeptide	0.92479	Inlier
siRNA Disorazole DMSO Run2	NM_000282	PCCA	propionyl Coenzyme A carboxylase, alpha polypeptide	4.216091	Outlier
siRNA-Vinblastine Run1-DMSO	NM_000282	PCCA	propionyl Coenzyme A carboxylase, alpha polypeptide	5.221708	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_000532	PCCB	propionyl Coenzyme A carboxylase, beta polypeptide	-1.16422	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000532	PCCB	propionyl Coenzyme A carboxylase, beta polypeptide	-0.73447	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000532	PCCB	propionyl Coenzyme A carboxylase, beta polypeptide	-0.663124	Inlier
siRNA Disorazole DMSO Run1	NM_000532	PCCB	propionyl Coenzyme A carboxylase, beta polypeptide	-0.573068	Inlier
siRNA Disorazole DMSO Run2	NM_000532	PCCB	propionyl Coenzyme A carboxylase, beta polypeptide	0.573068	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000532	PCCB	propionyl Coenzyme A carboxylase, beta polypeptide	0.577929	Inlier
siRNA Disorazole DMSO Run3	NM_000532	PCCB	propionyl Coenzyme A carboxylase, beta polypeptide	0.685876	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_000532	PCCB	propionyl Coenzyme A carboxylase, beta polypeptide	1.592535	Inlier
siRNA-Temozolomide Run1-DMSO	NM_032456	PCDH7	BH-protocadherin (brain-heart)	-0.996687	Inlier
siRNA-Temozolomide Run2-DMSO	NM_032456	PCDH7	BH-protocadherin (brain-heart)	-0.741982	Inlier
siRNA Disorazole DMSO Run2	NM_032456	PCDH7	BH-protocadherin (brain-heart)	-0.607018	Inlier
siRNA Disorazole DMSO Run1	NM_032456	PCDH7	BH-protocadherin (brain-heart)	-0.32483	Inlier
siRNA Disorazole DMSO Run3	NM_032456	PCDH7	BH-protocadherin (brain-heart)	0.324831	Inlier
siRNA-Temozolomide Run3-DMSO	NM_032456	PCDH7	BH-protocadherin (brain-heart)	0.384764	Inlier
siRNA-Vinblastine Run2-DMSO	NM_032456	PCDH7	BH-protocadherin (brain-heart)	1.827124	Inlier
siRNA-Vinblastine Run1-DMSO	NM_032456	PCDH7	BH-protocadherin (brain-heart)	3.020381	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002591	PCK1	phosphoenolpyruvate carboxykinase 1 (soluble)	-1.411209	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002591	PCK1	phosphoenolpyruvate carboxykinase 1 (soluble)	-0.679329	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Log2 Fold Change	Outlier Status
siRNA Disorazole DMSO Run1	NM_002591	PCK1 (soluble)	-0.669671	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002591	PCK1 (soluble)	-0.342478	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002591	PCK1 (soluble)	0.342478	Inlier
siRNA Disorazole DMSO Run3	NM_002591	PCK1 (soluble)	0.544642	Inlier
siRNA Disorazole DMSO Run2	NM_002591	PCK1 (soluble)	0.859344	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002591	PCK1 (soluble)	1.607013	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004563	PCK2 (mitochondrial)	-2.792487	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004563	PCK2 (mitochondrial)	-0.419298	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Log Fold Change	Classification
siRNA-Temozolomide Run2-DMSO	NM_004563	PCK2	-0.241216	Inlier
siRNA Disorazole DMSO Run1	NM_004563	PCK2	-0.205239	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004563	PCK2	0.205239	Inlier
siRNA Disorazole DMSO Run3	NM_004563	PCK2	0.929702	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004563	PCK2	3.338938	Inlier
siRNA Disorazole DMSO Run2	NM_004563	PCK2	4.76444	Outlier
siRNA-Temozolomide Run3-DMSO	NM_006197	PCM1	-1.365073	Inlier
siRNA Disorazole DMSO Run2	NM_006197	PCM1	-1.012445	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006197	PCM1	-0.165318	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0061 97	PCM1	pericentriolar material 1	-0.115375	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0061 97	PCM1	pericentriolar material 1	0.115375	Inlier
siRNA Disorazole DMSO Run1	NM_0061 97	PCM1	pericentriolar material 1	0.55031	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0061 97	PCM1	pericentriolar material 1	0.79869	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0061 97	PCM1	pericentriolar material 1	1.049527	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0053 89	PCMT1	protein-L-isoaspartate (D-aspartate) O-methyltransferase	-1.323914	Inlier
siRNA Disorazole DMSO Run3	NM_0053 89	PCMT1	protein-L-isoaspartate (D-aspartate) O-methyltransferase	-0.615921	Inlier
siRNA Disorazole DMSO Run1	NM_0053 89	PCMT1	protein-L-isoaspartate (D-aspartate) O-methyltransferase	-0.591474	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0053 89	PCMT1	protein-L-isoaspartate (D-aspartate) O-methyltransferase	-0.379408	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0053 89	PCMT1	protein-L-isoaspartate (D-aspartate) O-methyltransferase	0.379409	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_005389	PCMT1	protein-L-isoaspartate (D-aspartate) O-methyltransferase	0.733079	Inlier
siRNA Disorazole DMSO Run2	NM_005389	PCMT1	protein-L-isoaspartate (D-aspartate) O-methyltransferase	3.325766	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005389	PCMT1	protein-L-isoaspartate (D-aspartate) O-methyltransferase	4.196558	Outlier
siRNA-Temozolomide Run1-DMSO	NM_013363	PCOLCE2	procollagen C-endopeptidase enhancer 2	-0.823848	Inlier
siRNA Disorazole DMSO Run2	NM_013363	PCOLCE2	procollagen C-endopeptidase enhancer 2	-0.525152	Inlier
siRNA-Temozolomide Run2-DMSO	NM_013363	PCOLCE2	procollagen C-endopeptidase enhancer 2	-0.239421	Inlier
siRNA-Temozolomide Run3-DMSO	NM_013363	PCOLCE2	procollagen C-endopeptidase enhancer 2	-0.002779	Inlier
siRNA Disorazole DMSO Run1	NM_013363	PCOLCE2	procollagen C-endopeptidase enhancer 2	0.002779	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Gene ID	Gene Name	Log2FC	Category
siRNA Disorazole DMSO Run3	PCOLCE2	NM_013363	procollagen C-endopeptidase enhancer	1.290904	Inlier
siRNA-Vinblastine Run1-DMSO	PCOLCE2	NM_013363	procollagen C-endopeptidase enhancer	1.697018	Inlier
siRNA-Vinblastine Run2-DMSO	PCOLCE2	NM_013363	procollagen C-endopeptidase enhancer	1.818326	Inlier
siRNA-Temozolomide Run3-DMSO	PCOLN3	NM_002768	procollagen (type III) N-endopeptidase	-2.389273	Inlier
siRNA Disorazole DMSO Run1	PCOLN3	NM_002768	procollagen (type III) N-endopeptidase	-0.717195	Inlier
siRNA-Temozolomide Run2-DMSO	PCOLN3	NM_002768	procollagen (type III) N-endopeptidase	-0.631805	Inlier
siRNA-Temozolomide Run1-DMSO	PCOLN3	NM_002768	procollagen (type III) N-endopeptidase	-0.378606	Inlier
siRNA Disorazole DMSO Run2	PCOLN3	NM_002768	procollagen (type III) N-endopeptidase	0.378607	Inlier
siRNA Disorazole DMSO Run3	PCOLN3	NM_002768	procollagen (type III) N-endopeptidase	0.392211	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_002768	PCOLN3	procollagen (type III) N-endopeptidase	1.107771	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002768	PCOLN3	procollagen (type III) N-endopeptidase	1.342372	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000439	PCSK1	proprotein convertase subtilisin/kexin type 1	-0.768649	Inlier
siRNA Disorazole DMSO Run2	NM_000439	PCSK1	proprotein convertase subtilisin/kexin type 1	-0.76783	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000439	PCSK1	proprotein convertase subtilisin/kexin type 1	-0.58117	Inlier
siRNA Disorazole DMSO Run3	NM_000439	PCSK1	proprotein convertase subtilisin/kexin type 1	-0.264486	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000439	PCSK1	proprotein convertase subtilisin/kexin type 1	0.264486	Inlier
siRNA Disorazole DMSO Run1	NM_000439	PCSK1	proprotein convertase subtilisin/kexin type 1	0.546984	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000439	PCSK1	proprotein convertase subtilisin/kexin type 1	0.772427	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_000439	PCSK1	proprotein convertase subtilisin/kexin type 1	1.054262	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002594	PCSK2	proprotein convertase subtilisin/kexin type 2	-2.427075	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002594	PCSK2	proprotein convertase subtilisin/kexin type 2	-2.357058	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002594	PCSK2	proprotein convertase subtilisin/kexin type 2	-0.225901	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002594	PCSK2	proprotein convertase subtilisin/kexin type 2	-0.142802	Inlier
siRNA Disorazole DMSO Run1	NM_002594	PCSK2	proprotein convertase subtilisin/kexin type 2	0.142801	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002594	PCSK2	proprotein convertase subtilisin/kexin type 2	0.576554	Inlier
siRNA Disorazole DMSO Run3	NM_002594	PCSK2	proprotein convertase subtilisin/kexin type 2	0.772446	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0025 94	PCSK2	proprotein convertas e subtilisin/k exin type 2	1.542473	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0175 73	PCSK4	proprotein convertas e subtilisin/k exin type 4	-1.42387	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0175 73	PCSK4	proprotein convertas e subtilisin/k exin type 4	-0.564203	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0175 73	PCSK4	proprotein convertas e subtilisin/k exin type 4	-0.389954	Inlier
siRNA Disorazole DMSO Run1	NM_0175 73	PCSK4	proprotein convertas e subtilisin/k exin type 4	-0.051657	Inlier
siRNA Disorazole DMSO Run3	NM_0175 73	PCSK4	proprotein convertas e subtilisin/k exin type 4	0.051657	Inlier
siRNA Disorazole DMSO Run2	NM_0175 73	PCSK4	proprotein convertas e subtilisin/k exin type 4	0.784797	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0175 73	PCSK4	proprotein convertas e subtilisin/k exin type 4	0.981	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_017573	PCSK4	proprotein convertase subtilisin/kexin type 4	2.12058	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006200	PCSK5	proprotein convertase subtilisin/kexin type 5	-1.601482	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006200	PCSK5	proprotein convertase subtilisin/kexin type 5	-0.804073	Inlier
siRNA Disorazole DMSO Run2	NM_006200	PCSK5	proprotein convertase subtilisin/kexin type 5	-0.544927	Inlier
siRNA Disorazole DMSO Run3	NM_006200	PCSK5	proprotein convertase subtilisin/kexin type 5	-0.325955	Inlier
siRNA Disorazole DMSO Run1	NM_006200	PCSK5	proprotein convertase subtilisin/kexin type 5	0.325955	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006200	PCSK5	proprotein convertase subtilisin/kexin type 5	0.491192	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006200	PCSK5	proprotein convertase subtilisin/kexin type 5	1.481359	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_006200	PCSK5	proprotein convertase subtilisin/kexin type 5	1.975854	Inlier
siRNA-Temozolomide Run3-DMSO	NM_138324	PCSK6	proprotein convertase subtilisin/kexin type 6	-0.900497	Inlier
siRNA-Temozolomide Run2-DMSO	NM_138324	PCSK6	proprotein convertase subtilisin/kexin type 6	-0.748528	Inlier
siRNA Disorazole DMSO Run2	NM_138324	PCSK6	proprotein convertase subtilisin/kexin type 6	-0.600472	Inlier
siRNA Disorazole DMSO Run3	NM_138324	PCSK6	proprotein convertase subtilisin/kexin type 6	-0.101441	Inlier
siRNA-Temozolomide Run1-DMSO	NM_138324	PCSK6	proprotein convertase subtilisin/kexin type 6	0.101441	Inlier
siRNA Disorazole DMSO Run1	NM_138324	PCSK6	proprotein convertase subtilisin/kexin type 6	0.573655	Inlier
siRNA-Vinblastine Run2-DMSO	NM_138324	PCSK6	proprotein convertase subtilisin/kexin type 6	1.716422	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_1383 24	PCSK6	proprotein convertase e subtilisin/k exin type 6	2.211832	Inlier
siRNA Disorazole DMSO Run2	NM_0047 16	PCSK7	proprotein convertase e subtilisin/k exin type 7	-2.851401	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0047 16	PCSK7	proprotein convertase e subtilisin/k exin type 7	-2.208684	Inlier
siRNA Disorazole DMSO Run1	NM_0047 16	PCSK7	proprotein convertase e subtilisin/k exin type 7	-0.825338	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0047 16	PCSK7	proprotein convertase e subtilisin/k exin type 7	-0.199928	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0047 16	PCSK7	proprotein convertase e subtilisin/k exin type 7	0.199927	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0047 16	PCSK7	proprotein convertase e subtilisin/k exin type 7	0.312809	Inlier
siRNA Disorazole DMSO Run3	NM_0047 16	PCSK7	proprotein convertase e subtilisin/k exin type 7	0.523661	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0047 16	PCSK7	proprotein convertase e subtilisin/k exin type 7	1.535129	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1749 36	PCSK9	proprotein convertase e subtilisin/k exin type 9	-1.96856	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1749 36	PCSK9	proprotein convertase e subtilisin/k exin type 9	-1.763337	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1749 36	PCSK9	proprotein convertase e subtilisin/k exin type 9	-0.087949	Inlier
siRNA Disorazole DMSO Run2	NM_1749 36	PCSK9	proprotein convertase e subtilisin/k exin type 9	-0.027632	Inlier
siRNA Disorazole DMSO Run3	NM_1749 36	PCSK9	proprotein convertase e subtilisin/k exin type 9	0.027632	Inlier
siRNA Disorazole DMSO Run1	NM_1749 36	PCSK9	proprotein convertase e subtilisin/k exin type 9	0.040474	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1749 36	PCSK9	proprotein convertase e subtilisin/k exin type 9	1.261051	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

			proprotein convertase	
siRNA-Vinblastine Run1- DMSO	NM_1749 36	PCSK9	subtilisin/k exin type 9 PCTAIRE	1.658948 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0330 19	PCK1	protein kinase 1 PCTAIRE	-1.746601 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0330 19	PCK1	protein kinase 1 PCTAIRE	-1.440492 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0330 19	PCK1	protein kinase 1 PCTAIRE	-0.718468 Inlier
siRNA Disorazole DMSO Run2	NM_0330 19	PCK1	protein kinase 1 PCTAIRE	-0.175737 Inlier
siRNA Disorazole DMSO Run1	NM_0330 19	PCK1	protein kinase 1 PCTAIRE	0.175737 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0330 19	PCK1	protein kinase 1 PCTAIRE	0.574165 Inlier
siRNA Disorazole DMSO Run3	NM_0330 19	PCK1	protein kinase 1 PCTAIRE	0.630532 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0330 19	PCK1	protein kinase 1 PCTAIRE	1.906421 Inlier
siRNA Disorazole DMSO Run2	NM_0025 95	PCK2	protein kinase 2 PCTAIRE	-2.353775 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0025 95	PCK2	protein kinase 2 PCTAIRE	-0.622559 Inlier
siRNA Disorazole DMSO Run3	NM_0025 95	PCK2	protein kinase 2 PCTAIRE	-0.172751 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0025 95	PCK2	protein kinase 2 PCTAIRE	-0.029535 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0025 95	PCK2	protein kinase 2 PCTAIRE	0.029535 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0025 95	PCK2	protein kinase 2 PCTAIRE	0.726441 Inlier
siRNA Disorazole DMSO Run1	NM_0025 95	PCK2	protein kinase 2	0.929267 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology			PCTAIRE	
siRNA-Vinblastine Run2-DMSO	NM_0025 95	PCTK2	protein kinase 2	2.00445 Inlier
siRNA-Temozolomide Run3-DMSO	NM_2125 03	PCTK3	PCTAIRE protein kinase 3	-0.972388 Inlier
siRNA-Temozolomide Run1-DMSO	NM_2125 03	PCTK3	PCTAIRE protein kinase 3	-0.376612 Inlier
siRNA-Temozolomide Run2-DMSO	NM_2125 03	PCTK3	PCTAIRE protein kinase 3	-0.212457 Inlier
siRNA Disorazole DMSO Run2	NM_2125 03	PCTK3	PCTAIRE protein kinase 3	-0.109909 Inlier
siRNA Disorazole DMSO Run3	NM_2125 03	PCTK3	PCTAIRE protein kinase 3	0.109909 Inlier
siRNA Disorazole DMSO Run1	NM_2125 03	PCTK3	PCTAIRE protein kinase 3	1.631642 Inlier
siRNA-Vinblastine Run1-DMSO	NM_2125 03	PCTK3	PCTAIRE protein kinase 3	3.129656 Inlier
siRNA-Vinblastine Run2-DMSO	NM_2125 03	PCTK3	PCTAIRE protein kinase 3	3.477854 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0212 13	PCTP	phosphati dylcholine transfer protein	-0.96351 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0212 13	PCTP	phosphati dylcholine transfer protein	-0.38549 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0212 13	PCTP	phosphati dylcholine transfer protein	-0.121888 Inlier
siRNA Disorazole DMSO Run1	NM_0212 13	PCTP	phosphati dylcholine transfer protein	-0.058793 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0212 13	PCTP	phosphati dylcholine transfer protein	0.058793 Inlier
siRNA Disorazole DMSO Run3	NM_0212 13	PCTP	phosphati dylcholine transfer protein	1.552255 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0212 13	PCTP	phosphatidylcholine transfer protein	4.021771	Outlier
siRNA Disorazole DMSO Run2	NM_0212 13	PCTP	phosphatidylcholine transfer protein	6.610857	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0050 17	PCYT1A	phosphate cytidyltransferase 1, choline, alpha isoform	-0.680295	Inlier
siRNA Disorazole DMSO Run1	NM_0050 17	PCYT1A	phosphate cytidyltransferase 1, choline, alpha isoform	-0.668705	Inlier
siRNA Disorazole DMSO Run3	NM_0050 17	PCYT1A	phosphate cytidyltransferase 1, choline, alpha isoform	-0.306921	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0050 17	PCYT1A	phosphate cytidyltransferase 1, choline, alpha isoform	-0.290196	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0050 17	PCYT1A	phosphate cytidyltransferase 1, choline, alpha isoform	0.290196	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_005017	PCYT1A	phosphate cytidylyltransferase 1, choline, alpha isoform	0.787701	Inlier
siRNA Disorazole DMSO Run2	NM_005017	PCYT1A	phosphate cytidylyltransferase 1, choline, alpha isoform	1.700156	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005017	PCYT1A	phosphate cytidylyltransferase 1, choline, alpha isoform	1.958705	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004845	PCYT1B	phosphate cytidylyltransferase 1, choline, beta isoform	-1.110484	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004845	PCYT1B	phosphate cytidylyltransferase 1, choline, beta isoform	-0.907857	Inlier
siRNA Disorazole DMSO Run1	NM_004845	PCYT1B	phosphate cytidylyltransferase 1, choline, beta isoform	-0.441143	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0048 45	PCYT1B	phosphate cytidyltra nsferase 1, choline, beta isoform	-0.088595 Inlier
siRNA Disorazole DMSO Run3	NM_0048 45	PCYT1B	phosphate cytidyltra nsferase 1, choline, beta isoform	0.088596 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0048 45	PCYT1B	phosphate cytidyltra nsferase 1, choline, beta isoform	0.117941 Inlier
siRNA Disorazole DMSO Run2	NM_0048 45	PCYT1B	phosphate cytidyltra nsferase 1, choline, beta isoform	1.381258 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0048 45	PCYT1B	phosphate cytidyltra nsferase 1, choline, beta isoform	1.723261 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0028 61	PCYT2	phosphate cytidyltra nsferase 2, ethanolam ine	-2.603609 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_002861	PCYT2	phosphate cytidylyltransferase 2, ethanolamine	-1.390099	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002861	PCYT2	phosphate cytidylyltransferase 2, ethanolamine	-0.73415	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002861	PCYT2	phosphate cytidylyltransferase 2, ethanolamine	-0.117716	Inlier
siRNA Disorazole DMSO Run3	NM_002861	PCYT2	phosphate cytidylyltransferase 2, ethanolamine	0.117716	Inlier
siRNA Disorazole DMSO Run1	NM_002861	PCYT2	phosphate cytidylyltransferase 2, ethanolamine	0.123555	Inlier
siRNA Disorazole DMSO Run2	NM_002861	PCYT2	phosphate cytidylyltransferase 2, ethanolamine	0.61485	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002861	PCYT2	phosphate cytidylyltransferase 2, ethanolamine	1.178296	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_1458 12	PDCD8	programmed cell death 8 (apoptosis-inducing factor)	-1.182378	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1458 12	PDCD8	programmed cell death 8 (apoptosis-inducing factor)	-0.303765	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1458 12	PDCD8	programmed cell death 8 (apoptosis-inducing factor)	-0.190183	Inlier
siRNA Disorazole DMSO Run1	NM_1458 12	PDCD8	programmed cell death 8 (apoptosis-inducing factor)	-0.076478	Inlier
siRNA Disorazole DMSO Run2	NM_1458 12	PDCD8	programmed cell death 8 (apoptosis-inducing factor)	0.076478	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1458 12	PDCD8	programmed cell death 8 (apoptosis-inducing factor)	1.045235	Inlier
siRNA Disorazole DMSO Run3	NM_1458 12	PDCD8	programmed cell death 8 (apoptosis-inducing factor)	1.061125	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1458 12	PDCD8	programmed cell death 8 (apoptosis-inducing factor)	1.400162	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0066 61	PDE10A	phosphodiesterase 10A	-1.457623	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology				phosphodi	
siRNA-Temozolomide Run1-DMSO	NM_0066 61	PDE10A	10A	esterase	-1.093898 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0066 61	PDE10A	10A	esterase	-0.518922 Inlier
siRNA Disorazole DMSO Run1	NM_0066 61	PDE10A	10A	esterase	-0.274915 Inlier
siRNA Disorazole DMSO Run2	NM_0066 61	PDE10A	10A	esterase	0.274915 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0066 61	PDE10A	10A	esterase	0.305355 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0066 61	PDE10A	10A	esterase	0.830078 Inlier
siRNA Disorazole DMSO Run3	NM_0066 61	PDE10A	10A	esterase	1.082917 Inlier
siRNA Disorazole DMSO Run1	NM_0169 53	PDE11A	11A	esterase	-1.232191 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0169 53	PDE11A	11A	esterase	-0.804584 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0169 53	PDE11A	11A	esterase	-0.432542 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0169 53	PDE11A	11A	esterase	-0.239315 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0169 53	PDE11A	11A	esterase	0.239316 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0169 53	PDE11A	11A	esterase	0.544416 Inlier
siRNA Disorazole DMSO Run2	NM_0169 53	PDE11A	11A	esterase	1.72414 Inlier
siRNA Disorazole DMSO Run3	NM_0169 53	PDE11A	11A	esterase	5.069953 Outlier
siRNA-Temozolomide Run3-DMSO	NM_0050 19	PDE1A		esterase 1A, calmodulin- dependent	-2.126327 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_005019	PDE1A	phosphodiesterase 1A, calmodulin-dependent	-0.820087	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005019	PDE1A	phosphodiesterase 1A, calmodulin-dependent	-0.642314	Inlier
siRNA Disorazole DMSO Run1	NM_005019	PDE1A	phosphodiesterase 1A, calmodulin-dependent	-0.234459	Inlier
siRNA Disorazole DMSO Run3	NM_005019	PDE1A	phosphodiesterase 1A, calmodulin-dependent	0.234459	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005019	PDE1A	phosphodiesterase 1A, calmodulin-dependent	0.348365	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005019	PDE1A	phosphodiesterase 1A, calmodulin-dependent	0.706686	Inlier
siRNA Disorazole DMSO Run2	NM_005019	PDE1A	phosphodiesterase 1A, calmodulin-dependent	0.746993	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_000924	PDE1B	phosphodiesterase 1B, calmodulin-dependent	-0.933276	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000924	PDE1B	phosphodiesterase 1B, calmodulin-dependent	-0.789087	Inlier
siRNA Disorazole DMSO Run1	NM_000924	PDE1B	phosphodiesterase 1B, calmodulin-dependent	-0.559913	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000924	PDE1B	phosphodiesterase 1B, calmodulin-dependent	-0.063842	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000924	PDE1B	phosphodiesterase 1B, calmodulin-dependent	0.063842	Inlier
siRNA Disorazole DMSO Run2	NM_000924	PDE1B	phosphodiesterase 1B, calmodulin-dependent	0.083643	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000924	PDE1B	phosphodiesterase 1B, calmodulin-dependent	0.872362	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	24	NM_0009	PDE1B	phosphodiesterase 1B, calmodulin-dependent	1.295015	Inlier
siRNA-Temozolomide Run3-DMSO	20	NM_0050	PDE1C	phosphodiesterase 1C, calmodulin-dependent 70kDa	-1.323654	Inlier
siRNA-Temozolomide Run1-DMSO	20	NM_0050	PDE1C	phosphodiesterase 1C, calmodulin-dependent 70kDa	-0.73189	Inlier
siRNA Disorazole DMSO Run1	20	NM_0050	PDE1C	phosphodiesterase 1C, calmodulin-dependent 70kDa	-0.61711	Inlier
siRNA-Temozolomide Run2-DMSO	20	NM_0050	PDE1C	phosphodiesterase 1C, calmodulin-dependent 70kDa	-0.027989	Inlier
siRNA-Vinblastine Run2-DMSO	20	NM_0050	PDE1C	phosphodiesterase 1C, calmodulin-dependent 70kDa	0.027989	Inlier
siRNA-Vinblastine Run1-DMSO	20	NM_0050	PDE1C	phosphodiesterase 1C, calmodulin-dependent 70kDa	0.057772	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0050 20	PDE1C	phosphodiesterase 1C, calmodulin-dependent 70kDa	4.983657	Outlier
siRNA Disorazole DMSO Run2	NM_0050 20	PDE1C	phosphodiesterase 1C, calmodulin-dependent 70kDa	6.596884	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0025 99	PDE2A	phosphodiesterase 2A, cGMP-stimulated	-2.44939	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0025 99	PDE2A	phosphodiesterase 2A, cGMP-stimulated	-0.898408	Inlier
siRNA Disorazole DMSO Run1	NM_0025 99	PDE2A	phosphodiesterase 2A, cGMP-stimulated	-0.165652	Inlier
siRNA Disorazole DMSO Run2	NM_0025 99	PDE2A	phosphodiesterase 2A, cGMP-stimulated	-0.032749	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0025 99	PDE2A	phosphodiesterase 2A, cGMP-stimulated	0.032748	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0025 99	PDE2A	phosphodiesterase 2A, cGMP-stimulated	0.450592	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_002599	PDE2A	phosphodiesterase 2A, cGMP-stimulated	1.320642	Inlier
siRNA Disorazole DMSO Run3	NM_002599	PDE2A	phosphodiesterase 2A, cGMP-stimulated	2.742841	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000921	PDE3A	phosphodiesterase 3A, cGMP-inhibited	-3.056101	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000921	PDE3A	phosphodiesterase 3A, cGMP-inhibited	-0.933421	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000921	PDE3A	phosphodiesterase 3A, cGMP-inhibited	-0.571497	Inlier
siRNA Disorazole DMSO Run1	NM_000921	PDE3A	phosphodiesterase 3A, cGMP-inhibited	-0.334974	Inlier
siRNA Disorazole DMSO Run2	NM_000921	PDE3A	phosphodiesterase 3A, cGMP-inhibited	0.334973	Inlier
siRNA Disorazole DMSO Run3	NM_000921	PDE3A	phosphodiesterase 3A, cGMP-inhibited	0.667638	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000921	PDE3A	phosphodiesterase 3A, cGMP-inhibited	0.681362	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000921	PDE3A	phosphodiesterase 3A, cGMP-inhibited	0.719094	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_000922	PDE3B	phosphodiesterase 3B, cGMP-inhibited	-2.019259	Inlier
siRNA Disorazole DMSO Run1	NM_000922	PDE3B	phosphodiesterase 3B, cGMP-inhibited	-0.439555	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000922	PDE3B	phosphodiesterase 3B, cGMP-inhibited	-0.341033	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000922	PDE3B	phosphodiesterase 3B, cGMP-inhibited	-0.196538	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000922	PDE3B	phosphodiesterase 3B, cGMP-inhibited	0.196539	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000922	PDE3B	phosphodiesterase 3B, cGMP-inhibited	0.909445	Inlier
siRNA Disorazole DMSO Run2	NM_000922	PDE3B	phosphodiesterase 3B, cGMP-inhibited	2.722776	Inlier
siRNA Disorazole DMSO Run3	NM_000922	PDE3B	phosphodiesterase 3B, cGMP-inhibited	3.907164	Outlier
siRNA-Temozolomide Run1-DMSO	NM_006202	PDE4A	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drosophila)	-1.223609	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_006202	PDE4A	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 duncce homolog, Drosophila)	-0.859306	Inlier
------------------------------	-----------	-------	--	-----------	--------

siRNA-Temozolomide Run2-DMSO	NM_006202	PDE4A	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 duncce homolog, Drosophila)	-0.255118	Inlier
------------------------------	-----------	-------	--	-----------	--------

siRNA Disorazole DMSO Run3	NM_006202	PDE4A	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 duncce homolog, Drosophila)	-0.11003	Inlier
----------------------------	-----------	-------	--	----------	--------

siRNA Disorazole DMSO Run1	NM_006202	PDE4A	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 duncce homolog, Drosophila)	0.11003	Inlier
----------------------------	-----------	-------	--	---------	--------

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_006202	PDE4A	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 duncce homolog, Drosophila)	0.663067	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006202	PDE4A	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 duncce homolog, Drosophila)	0.685933	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006202	PDE4A	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 duncce homolog, Drosophila)	0.716956	Inlier
siRNA Disorazole DMSO Run1	NM_002600	PDE4B	phosphodiesterase 4B, cAMP-specific (phosphodiesterase E4 duncce homolog, Drosophila)	-0.945359	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_002600	PDE4B	phosphodiesterase 4B, cAMP-specific (phosphodiesterase E4 dunce homolog, Drosophila)	-0.842001	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002600	PDE4B	phosphodiesterase 4B, cAMP-specific (phosphodiesterase E4 dunce homolog, Drosophila)	-0.506999	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002600	PDE4B	phosphodiesterase 4B, cAMP-specific (phosphodiesterase E4 dunce homolog, Drosophila)	-0.274483	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002600	PDE4B	phosphodiesterase 4B, cAMP-specific (phosphodiesterase E4 dunce homolog, Drosophila)	0.274484	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_002600	PDE4B	phosphodiesterase 4B, cAMP-specific (phosphodiesterase E4 dunce homolog, Drosophila)	0.452137	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002600	PDE4B	phosphodiesterase 4B, cAMP-specific (phosphodiesterase E4 dunce homolog, Drosophila)	0.875758	Inlier
siRNA Disorazole DMSO Run3	NM_002600	PDE4B	phosphodiesterase 4B, cAMP-specific (phosphodiesterase E4 dunce homolog, Drosophila)	2.833622	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000923	PDE4C	phosphodiesterase 4C, cAMP-specific (phosphodiesterase E1 dunce homolog, Drosophila)	-1.545308	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0009 23	PDE4C	phosphodiesterase 4C, cAMP-specific (phosphodiesterase E1 dunce homolog, Drosophila)	-1.110336	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0009 23	PDE4C	phosphodiesterase 4C, cAMP-specific (phosphodiesterase E1 dunce homolog, Drosophila)	-0.238664	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0009 23	PDE4C	phosphodiesterase 4C, cAMP-specific (phosphodiesterase E1 dunce homolog, Drosophila)	-0.040472	Inlier
siRNA Disorazole DMSO Run2	NM_0009 23	PDE4C	phosphodiesterase 4C, cAMP-specific (phosphodiesterase E1 dunce homolog, Drosophila)	0.040471	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_000923	PDE4C	phosphodiesterase 4C, cAMP-specific (phosphodiesterase E1 dunce homolog, Drosophila)	0.044637	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000923	PDE4C	phosphodiesterase 4C, cAMP-specific (phosphodiesterase E1 dunce homolog, Drosophila)	1.218158	Inlier
siRNA Disorazole DMSO Run3	NM_000923	PDE4C	phosphodiesterase 4C, cAMP-specific (phosphodiesterase E1 dunce homolog, Drosophila)	4.832255	Outlier
siRNA Disorazole DMSO Run2	NM_006203	PDE4D	phosphodiesterase 4D, cAMP-specific (phosphodiesterase E3 dunce homolog, Drosophila)	-2.079615	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_006203	PDE4D	phosphodiesterase 4D, cAMP-specific (phosphodiesterase E3 dunce homolog, Drosophila)	-1.120924	Inlier
------------------------------	-----------	-------	---	-----------	--------

siRNA-Temozolomide Run1-DMSO	NM_006203	PDE4D	phosphodiesterase 4D, cAMP-specific (phosphodiesterase E3 dunce homolog, Drosophila)	-0.700351	Inlier
------------------------------	-----------	-------	---	-----------	--------

siRNA Disorazole DMSO Run1	NM_006203	PDE4D	phosphodiesterase 4D, cAMP-specific (phosphodiesterase E3 dunce homolog, Drosophila)	-0.152042	Inlier
----------------------------	-----------	-------	---	-----------	--------

siRNA-Vinblastine Run1-DMSO	NM_006203	PDE4D	phosphodiesterase 4D, cAMP-specific (phosphodiesterase E3 dunce homolog, Drosophila)	0.152042	Inlier
-----------------------------	-----------	-------	---	----------	--------

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_006203	PDE4D	phosphodiesterase 4D, cAMP-specific (phosphodiesterase E3 dunce homolog, Drosophila)	0.164445	Inlier
siRNA Disorazole DMSO Run3	NM_006203	PDE4D	phosphodiesterase 4D, cAMP-specific (phosphodiesterase E3 dunce homolog, Drosophila)	0.648649	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006203	PDE4D	phosphodiesterase 4D, cAMP-specific (phosphodiesterase E3 dunce homolog, Drosophila)	0.791922	Inlier
siRNA-Temozolomide Run3-DMSO	NM_033431	PDE5A	phosphodiesterase 5A, cGMP-specific	-1.632878	Inlier
siRNA-Temozolomide Run1-DMSO	NM_033431	PDE5A	phosphodiesterase 5A, cGMP-specific	-0.822856	Inlier
siRNA Disorazole DMSO Run1	NM_033431	PDE5A	phosphodiesterase 5A, cGMP-specific	-0.526143	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0334 31	PDE5A	phosphodiesterase 5A, cGMP-specific	-0.025337	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0334 31	PDE5A	phosphodiesterase 5A, cGMP-specific	0.025336	Inlier
siRNA Disorazole DMSO Run2	NM_0334 31	PDE5A	phosphodiesterase 5A, cGMP-specific	0.470211	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0334 31	PDE5A	phosphodiesterase 5A, cGMP-specific	1.104625	Inlier
siRNA Disorazole DMSO Run3	NM_0334 31	PDE5A	phosphodiesterase 5A, cGMP-specific	2.950248	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0004 40	PDE6A	phosphodiesterase 6A, cGMP-specific, rod, alpha	-1.813048	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0004 40	PDE6A	phosphodiesterase 6A, cGMP-specific, rod, alpha	-1.150044	Inlier
siRNA Disorazole DMSO Run1	NM_0004 40	PDE6A	phosphodiesterase 6A, cGMP-specific, rod, alpha	-0.605629	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0004 40	PDE6A	phosphodiesterase 6A, cGMP-specific, rod, alpha	-0.220364	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_000440	PDE6A	phosphodiesterase 6A, cGMP-specific, rod, alpha	0.220363	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000440	PDE6A	phosphodiesterase 6A, cGMP-specific, rod, alpha	0.522859	Inlier
siRNA Disorazole DMSO Run2	NM_000440	PDE6A	phosphodiesterase 6A, cGMP-specific, rod, alpha	0.743371	Inlier
siRNA Disorazole DMSO Run3	NM_000440	PDE6A	phosphodiesterase 6A, cGMP-specific, rod, alpha	1.993618	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000283	PDE6B	phosphodiesterase 6B, cGMP-specific, rod, beta (congenital stationary night blindness 3, autosomal dominant)	-3.493391	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_000283	PDE6B	phosphodiesterase 6B, cGMP-specific, rod, beta (congenital stationary night blindness 3, autosomal dominant)	-1.65678	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000283	PDE6B	phosphodiesterase 6B, cGMP-specific, rod, beta (congenital stationary night blindness 3, autosomal dominant)	-0.845917	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000283	PDE6B	phosphodiesterase 6B, cGMP-specific, rod, beta (congenital stationary night blindness 3, autosomal dominant)	-0.03442	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0002 83	PDE6B	phosphodiesterase 6B, cGMP-specific, rod, beta (congenital stationary night blindness 3, autosomal dominant)	0.03442	Inlier
siRNA Disorazole DMSO Run3	NM_0002 83	PDE6B	phosphodiesterase 6B, cGMP-specific, rod, beta (congenital stationary night blindness 3, autosomal dominant)	0.350129	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0002 83	PDE6B	phosphodiesterase 6B, cGMP-specific, rod, beta (congenital stationary night blindness 3, autosomal dominant)	0.503083	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_000283	PDE6B	phosphodiesterase 6B, cGMP-specific, rod, beta (congenital stationary night blindness 3, autosomal dominant)	2.514826	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006204	PDE6C	phosphodiesterase 6C, cGMP-specific, cone, alpha prime	-1.476166	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006204	PDE6C	phosphodiesterase 6C, cGMP-specific, cone, alpha prime	-0.919306	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006204	PDE6C	phosphodiesterase 6C, cGMP-specific, cone, alpha prime	-0.879093	Inlier
siRNA Disorazole DMSO Run1	NM_006204	PDE6C	phosphodiesterase 6C, cGMP-specific, cone, alpha prime	-0.189884	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_006204	PDE6C	phosphodiesterase 6C, cGMP-specific, cone, alpha prime	0.189885	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006204	PDE6C	phosphodiesterase 6C, cGMP-specific, cone, alpha prime	0.429136	Inlier
siRNA Disorazole DMSO Run2	NM_006204	PDE6C	phosphodiesterase 6C, cGMP-specific, cone, alpha prime	0.469907	Inlier
siRNA Disorazole DMSO Run3	NM_006204	PDE6C	phosphodiesterase 6C, cGMP-specific, cone, alpha prime	2.453091	Inlier
siRNA Disorazole DMSO Run2	NM_002601	PDE6D	phosphodiesterase 6D, cGMP-specific, rod, delta	-1.361267	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002601	PDE6D	phosphodiesterase 6D, cGMP-specific, rod, delta	-1.029706	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002601	PDE6D	phosphodiesterase 6D, cGMP-specific, rod, delta	-0.732502	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0026 01	PDE6D	phosphodiesterase 6D, cGMP-specific, rod, delta	-0.04991	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0026 01	PDE6D	phosphodiesterase 6D, cGMP-specific, rod, delta	0.04991	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0026 01	PDE6D	phosphodiesterase 6D, cGMP-specific, rod, delta	0.442015	Inlier
siRNA Disorazole DMSO Run3	NM_0026 01	PDE6D	phosphodiesterase 6D, cGMP-specific, rod, delta	0.664518	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0026 01	PDE6D	phosphodiesterase 6D, cGMP-specific, rod, delta	0.684482	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0026 02	PDE6G	phosphodiesterase 6G, cGMP-specific, rod, gamma	-1.728293	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0026 02	PDE6G	phosphodiesterase 6G, cGMP-specific, rod, gamma	-0.682519	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0026 02	PDE6G	phosphodiesterase 6G, cGMP-specific, rod, gamma	-0.669207	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0026 02	PDE6G	phosphodiesterase 6G, cGMP-specific, rod, gamma	-0.196828	Inlier
siRNA Disorazole DMSO Run3	NM_0026 02	PDE6G	phosphodiesterase 6G, cGMP-specific, rod, gamma	0.196828	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0026 02	PDE6G	phosphodiesterase 6G, cGMP-specific, rod, gamma	0.227244	Inlier
siRNA Disorazole DMSO Run2	NM_0026 02	PDE6G	phosphodiesterase 6G, cGMP-specific, rod, gamma	0.679793	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0026 02	PDE6G	phosphodiesterase 6G, cGMP-specific, rod, gamma	0.901508	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0062 05	PDE6H	phosphodiesterase 6H, cGMP-specific, cone, gamma	-1.155112	Inlier
siRNA Disorazole DMSO Run2	NM_0062 05	PDE6H	phosphodiesterase 6H, cGMP-specific, cone, gamma	-0.892963	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_006205	PDE6H	phosphodiesterase 6H, cGMP-specific, cone, gamma	-0.579793	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006205	PDE6H	phosphodiesterase 6H, cGMP-specific, cone, gamma	-0.00162	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006205	PDE6H	phosphodiesterase 6H, cGMP-specific, cone, gamma	0.001621	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006205	PDE6H	phosphodiesterase 6H, cGMP-specific, cone, gamma	0.380751	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006205	PDE6H	phosphodiesterase 6H, cGMP-specific, cone, gamma	0.769207	Inlier
siRNA Disorazole DMSO Run3	NM_006205	PDE6H	phosphodiesterase 6H, cGMP-specific, cone, gamma	2.204871	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002603	PDE7A	phosphodiesterase 7A	-4.619446	Outlier
siRNA-Temozolomide Run1-DMSO	NM_002603	PDE7A	phosphodiesterase 7A	-2.024539	Inlier
siRNA Disorazole DMSO Run1	NM_002603	PDE7A	phosphodiesterase 7A	-0.490125	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology				phosphodi	
siRNA-Temozolomide Run2- DMSO	NM_0026 03	PDE7A	7A	esterase	-0.255533 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0026 03	PDE7A	7A	esterase	0.255533 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0026 03	PDE7A	7A	esterase	0.428062 Inlier
siRNA Disorazole DMSO Run2	NM_0026 03	PDE7A	7A	esterase	0.858875 Inlier
siRNA Disorazole DMSO Run3	NM_0026 03	PDE7A	7A	esterase	1.702643 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0189 45	PDE7B	7B	esterase	-1.170137 Inlier
siRNA Disorazole DMSO Run2	NM_0189 45	PDE7B	7B	esterase	-0.956448 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0189 45	PDE7B	7B	esterase	-0.498715 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0189 45	PDE7B	7B	esterase	-0.194965 Inlier
siRNA Disorazole DMSO Run1	NM_0189 45	PDE7B	7B	esterase	0.194965 Inlier
siRNA Disorazole DMSO Run3	NM_0189 45	PDE7B	7B	esterase	0.512317 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0189 45	PDE7B	7B	esterase	0.836683 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0189 45	PDE7B	7B	esterase	1.313647 Inlier
siRNA-Temozolomide Run1- DMSO	NM_1734 54	PDE8A	8A	esterase	-1.662399 Inlier
siRNA Disorazole DMSO Run2	NM_1734 54	PDE8A	8A	esterase	-1.032399 Inlier
siRNA-Temozolomide Run3- DMSO	NM_1734 54	PDE8A	8A	esterase	-0.667234 Inlier
siRNA-Temozolomide Run2- DMSO	NM_1734 54	PDE8A	8A	esterase	-0.005459 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1734 54	PDE8A	phosphodiesterase 8A	0.005459	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1734 54	PDE8A	phosphodiesterase 8A	0.554753	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1734 54	PDE8A	phosphodiesterase 8A	0.681766	Inlier
siRNA Disorazole DMSO Run3	NM_1734 54	PDE8A	phosphodiesterase 8A	2.282391	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0037 19	PDE8B	phosphodiesterase 8B	-0.886582	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0037 19	PDE8B	phosphodiesterase 8B	-0.462418	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0037 19	PDE8B	phosphodiesterase 8B	-0.23508	Inlier
siRNA Disorazole DMSO Run3	NM_0037 19	PDE8B	phosphodiesterase 8B	-0.07805	Inlier
siRNA Disorazole DMSO Run2	NM_0037 19	PDE8B	phosphodiesterase 8B	0.07805	Inlier
siRNA Disorazole DMSO Run1	NM_0037 19	PDE8B	phosphodiesterase 8B	1.057812	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0037 19	PDE8B	phosphodiesterase 8B	1.521488	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0037 19	PDE8B	phosphodiesterase 8B	1.890447	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 01568	PDE9A	phosphodiesterase 9A	-3.293073	Inlier
siRNA Disorazole DMSO Run2	NM_0010 01568	PDE9A	phosphodiesterase 9A	-2.69531	Inlier
siRNA Disorazole DMSO Run1	NM_0010 01568	PDE9A	phosphodiesterase 9A	-0.62502	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 01568	PDE9A	phosphodiesterase 9A	-0.111265	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 01568	PDE9A	phosphodiesterase 9A	0.111266	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology siRNA-Vinblastine Run1- DMSO	NM_0010 01568	PDE9A	phosphodi esterase 9A	0.421416	Inlier
siRNA Disorazole DMSO Run3	NM_0010 01568	PDE9A	phosphodi esterase 9A	0.72398	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0010 01568	PDE9A	phosphodi esterase 9A	1.463429	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0223 41	PDF	PDF	-0.712163	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0223 41	PDF	PDF	-0.636837	Inlier
siRNA Disorazole DMSO Run3	NM_0223 41	PDF	PDF	-0.400824	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0223 41	PDF	PDF	-0.047135	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0223 41	PDF	PDF	0.047135	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0223 41	PDF	PDF	1.464221	Inlier
siRNA Disorazole DMSO Run1	NM_0223 41	PDF	PDF	1.640997	Inlier
siRNA Disorazole DMSO Run2	NM_0223 41	PDF	PDF	2.074975	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0331 35	PDGFD	platelet derived growth factor D	-3.03921	Inlier
siRNA Disorazole DMSO Run1	NM_0331 35	PDGFD	platelet derived growth factor D	-0.749797	Inlier
siRNA Disorazole DMSO Run2	NM_0331 35	PDGFD	platelet derived growth factor D	-0.599203	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0331 35	PDGFD	platelet derived growth factor D	-0.015638	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0331 35	PDGFD	platelet derived growth factor D	0.015637	Inlier
siRNA Disorazole DMSO Run3	NM_0331 35	PDGFD	platelet derived growth factor D	0.173464	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_033135	PDGFD	platelet derived growth factor D	1.640678	Inlier
siRNA-Vinblastine Run1-DMSO	NM_033135	PDGFD	platelet derived growth factor D	2.300411	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006206	PDGFRA	platelet-derived growth factor receptor, alpha polypeptide	-1.654629	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006206	PDGFRA	platelet-derived growth factor receptor, alpha polypeptide	-1.114132	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006206	PDGFRA	platelet-derived growth factor receptor, alpha polypeptide	-0.728354	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006206	PDGFRA	platelet-derived growth factor receptor, alpha polypeptide	-0.361666	Inlier
siRNA Disorazole DMSO Run2	NM_006206	PDGFRA	platelet-derived growth factor receptor, alpha polypeptide	0.361666	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_006206	PDGFRA	platelet-derived growth factor receptor, alpha polypeptide	0.436286	Inlier
siRNA Disorazole DMSO Run1	NM_006206	PDGFRA	platelet-derived growth factor receptor, alpha polypeptide	0.620646	Inlier
siRNA Disorazole DMSO Run3	NM_006206	PDGFRA	platelet-derived growth factor receptor, alpha polypeptide	1.082882	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002609	PDGFRB	platelet-derived growth factor receptor, beta polypeptide	-1.327991	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002609	PDGFRB	platelet-derived growth factor receptor, beta polypeptide	-0.613801	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002609	PDGFRB	platelet-derived growth factor receptor, beta polypeptide	-0.283314	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_002609	PDGFRB	platelet-derived growth factor receptor, beta polypeptide	-0.249975	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002609	PDGFRB	platelet-derived growth factor receptor, beta polypeptide	0.249977	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002609	PDGFRB	platelet-derived growth factor receptor, beta polypeptide	0.735199	Inlier
siRNA Disorazole DMSO Run1	NM_002609	PDGFRB	platelet-derived growth factor receptor, beta polypeptide	1.169224	Inlier
siRNA Disorazole DMSO Run3	NM_002609	PDGFRB	platelet-derived growth factor receptor, beta polypeptide	1.919084	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006207	PDGFRL	platelet-derived growth factor receptor-like	-1.347871	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006207	PDGFRL	platelet-derived growth factor receptor-like	-0.811679	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_006207	PDGFRL	platelet-derived growth factor receptor-like	-0.352553	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006207	PDGFRL	platelet-derived growth factor receptor-like	-0.203454	Inlier
siRNA Disorazole DMSO Run3	NM_006207	PDGFRL	platelet-derived growth factor receptor-like	0.203454	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006207	PDGFRL	platelet-derived growth factor receptor-like	0.537321	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006207	PDGFRL	platelet-derived growth factor receptor-like	1.046476	Inlier
siRNA Disorazole DMSO Run2	NM_006207	PDGFRL	platelet-derived growth factor receptor-like	1.065297	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000284	PDHA1	pyruvate dehydrogenase (lipoamide) alpha 1	-1.628321	Inlier
siRNA Disorazole DMSO Run2	NM_000284	PDHA1	pyruvate dehydrogenase (lipoamide) alpha 1	-0.781166	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000284	PDHA1	pyruvate dehydrogenase (lipoamide) alpha 1	-0.567834	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0002 84	PDHA1	pyruvate dehydrogenase (lipoamide) alpha 1	-0.0176	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0002 84	PDHA1	pyruvate dehydrogenase (lipoamide) alpha 1	0.017601	Inlier
siRNA Disorazole DMSO Run1	NM_0002 84	PDHA1	pyruvate dehydrogenase (lipoamide) alpha 1	0.298038	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0002 84	PDHA1	pyruvate dehydrogenase (lipoamide) alpha 1	1.550213	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0002 84	PDHA1	pyruvate dehydrogenase (lipoamide) alpha 1	2.288455	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0053 90	PDHA2	pyruvate dehydrogenase (lipoamide) alpha 2	-0.996581	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0053 90	PDHA2	pyruvate dehydrogenase (lipoamide) alpha 2	-0.983921	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0053 90	PDHA2	pyruvate dehydrogenase (lipoamide) alpha 2	-0.684537	Inlier
siRNA Disorazole DMSO Run2	NM_0053 90	PDHA2	pyruvate dehydrogenase (lipoamide) alpha 2	-0.00939	Inlier
siRNA Disorazole DMSO Run1	NM_0053 90	PDHA2	pyruvate dehydrogenase (lipoamide) alpha 2	0.00939	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0053 90	PDHA2	pyruvate dehydroge nase (lipoamide) alpha 2	0.061649	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0053 90	PDHA2	pyruvate dehydroge nase (lipoamide) alpha 2	0.664463	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0053 90	PDHA2	pyruvate dehydroge nase (lipoamide) alpha 2	0.701407	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0009 25	PDHB	pyruvate dehydroge nase (lipoamide) beta	-0.828157	Inlier
siRNA Disorazole DMSO Run2	NM_0009 25	PDHB	pyruvate dehydroge nase (lipoamide) beta	-0.777151	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0009 25	PDHB	pyruvate dehydroge nase (lipoamide) beta	-0.571849	Inlier
siRNA Disorazole DMSO Run1	NM_0009 25	PDHB	pyruvate dehydroge nase (lipoamide) beta	-0.067653	Inlier
siRNA Disorazole DMSO Run3	NM_0009 25	PDHB	pyruvate dehydroge nase (lipoamide) beta	0.067653	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0009 25	PDHB	pyruvate dehydroge nase (lipoamide) beta	0.209276	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0009 25	PDHB	pyruvate dehydroge nase (lipoamide) beta	0.828831	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_000925	PDHB	pyruvate dehydrogenase (lipoamide) beta	1.245932	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003477	PDHX	pyruvate dehydrogenase complex, component X	-1.785913	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003477	PDHX	pyruvate dehydrogenase complex, component X	-1.316303	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003477	PDHX	pyruvate dehydrogenase complex, component X	-1.072923	Inlier
siRNA Disorazole DMSO Run1	NM_003477	PDHX	pyruvate dehydrogenase complex, component X	-0.391667	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003477	PDHX	pyruvate dehydrogenase complex, component X	0.391667	Inlier
siRNA Disorazole DMSO Run2	NM_003477	PDHX	pyruvate dehydrogenase complex, component X	0.472487	Inlier
siRNA Disorazole DMSO Run3	NM_003477	PDHX	pyruvate dehydrogenase complex, component X	0.488166	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_003477	PDHX	pyruvate dehydrogenase complex, component X	0.860834	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006849	PDIP	protein disulfide isomerase, pancreatic	-1.635497	Inlier
siRNA Disorazole DMSO Run3	NM_006849	PDIP	protein disulfide isomerase, pancreatic	-1.203883	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006849	PDIP	protein disulfide isomerase, pancreatic	-0.071838	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006849	PDIP	protein disulfide isomerase, pancreatic	-0.029022	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006849	PDIP	protein disulfide isomerase, pancreatic	0.029021	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006849	PDIP	protein disulfide isomerase, pancreatic	0.459675	Inlier
siRNA Disorazole DMSO Run1	NM_006849	PDIP	protein disulfide isomerase, pancreatic	0.889325	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0068 49	PDIP	protein disulfide isomerase , pancreatic	2.241153	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0068 10	PDIR	protein disulfide isomerase family A, member 5	-0.86687	Inlier
siRNA Disorazole DMSO Run3	NM_0068 10	PDIR	protein disulfide isomerase family A, member 5	-0.661588	Inlier
siRNA Disorazole DMSO Run1	NM_0068 10	PDIR	protein disulfide isomerase family A, member 5	-0.247555	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0068 10	PDIR	protein disulfide isomerase family A, member 5	-0.025936	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0068 10	PDIR	protein disulfide isomerase family A, member 5	0.025936	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0068 10	PDIR	protein disulfide isomerase family A, member 5	0.687412	Inlier
siRNA Disorazole DMSO Run2	NM_0068 10	PDIR	protein disulfide isomerase family A, member 5	0.884603	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0068 10	PDIR	protein disulfide isomerase family A, member 5	1.087104	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0026 10	PDK1	pyruvate dehydrogenase kinase, isoenzyme 1	-0.731613	Inlier
siRNA Disorazole DMSO Run2	NM_0026 10	PDK1	pyruvate dehydrogenase kinase, isoenzyme 1	-0.617387	Inlier
siRNA Disorazole DMSO Run3	NM_0026 10	PDK1	pyruvate dehydrogenase kinase, isoenzyme 1	-0.282677	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0026 10	PDK1	pyruvate dehydrogenase kinase, isoenzyme 1	-0.022976	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0026 10	PDK1	pyruvate dehydrogenase kinase, isoenzyme 1	0.022976	Inlier
siRNA Disorazole DMSO Run1	NM_0026 10	PDK1	pyruvate dehydrogenase kinase, isoenzyme 1	0.905775	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0026 10	PDK1	pyruvate dehydrogenase kinase, isoenzyme 1	1.370454	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0026 10	PDK1	pyruvate dehydroge nase kinase, isoenzyme 1	1.627489	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0026 11	PDK2	pyruvate dehydroge nase kinase, isoenzyme 2	-1.094565	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0026 11	PDK2	pyruvate dehydroge nase kinase, isoenzyme 2	-1.093267	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0026 11	PDK2	pyruvate dehydroge nase kinase, isoenzyme 2	-0.616734	Inlier
siRNA Disorazole DMSO Run1	NM_0026 11	PDK2	pyruvate dehydroge nase kinase, isoenzyme 2	-0.377967	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0026 11	PDK2	pyruvate dehydroge nase kinase, isoenzyme 2	0.377966	Inlier
siRNA Disorazole DMSO Run2	NM_0026 11	PDK2	pyruvate dehydroge nase kinase, isoenzyme 2	0.657924	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0026 11	PDK2	pyruvate dehydroge nase kinase, isoenzyme 2	0.691076	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0026 11	PDK2	2	1.43119	Inlier
siRNA Disorazole DMSO Run2	NM_0053 91	PDK3	3	-3.95852	Outlier
siRNA Disorazole DMSO Run3	NM_0053 91	PDK3	3	-1.177684	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0053 91	PDK3	3	-0.672965	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0053 91	PDK3	3	-0.203791	Inlier
siRNA Disorazole DMSO Run1	NM_0053 91	PDK3	3	0.203792	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0053 91	PDK3	3	0.376079	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0053 91	PDK3	3	0.676035	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0053 91	PDK3	3	0.797409	Inlier
siRNA Disorazole DMSO Run2	NM_0026 12	PDK4	4	-0.981729	Inlier
siRNA Disorazole DMSO Run3	NM_0026 12	PDK4	4	-0.886264	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0026 12	PDK4	4	-0.704273	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0026 12	PDK4	4	-0.002254	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0026 12	PDK4	4	0.002254	Inlier
siRNA Disorazole DMSO Run1	NM_0026 12	PDK4	4	0.253542	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0026 12	PDK4	4	0.644728	Inlier

pyruvate
dehydroge
nase

kinase,
isoenzyme

pyruvate
dehydroge
nase

kinase,
isoenzyme

pyruvate
dehydroge
nase

kinase,
isoenzyme

pyruvate
dehydroge
nase

kinase,
isoenzyme

pyruvate
dehydroge
nase

kinase,
isoenzyme

pyruvate
dehydroge
nase

kinase,
isoenzyme

pyruvate
dehydroge
nase

kinase,
isoenzyme

pyruvate
dehydroge
nase

kinase,
isoenzyme

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			pyruvate dehydrogenase kinase, isoenzyme		
siRNA-Vinblastine Run2-DMSO	NM_002612	PDK4	4	0.742607	Inlier
	NM_0207				
siRNA Disorazole DMSO Run3	86	PDP2	PDP2	-1.686981	Inlier
	NM_0207				
siRNA Disorazole DMSO Run2	86	PDP2	PDP2	-0.856179	Inlier
siRNA-Temozolomide Run2-DMSO	NM_020786	PDP2	PDP2	-0.797948	Inlier
siRNA-Vinblastine Run2-DMSO	NM_020786	PDP2	PDP2	-0.002665	Inlier
siRNA-Temozolomide Run1-DMSO	NM_020786	PDP2	PDP2	0.002664	Inlier
siRNA-Temozolomide Run3-DMSO	NM_020786	PDP2	PDP2	0.02708	Inlier
siRNA-Vinblastine Run1-DMSO	NM_020786	PDP2	PDP2	0.551052	Inlier
	NM_0207				
siRNA Disorazole DMSO Run1	86	PDP2	PDP2	0.829162	Inlier
			3-phosphoinositide dependent protein kinase-1		
	NM_0312				
siRNA Disorazole DMSO Run3	68	PDPK1	kinase-1	-1.176566	Inlier
			3-phosphoinositide dependent protein kinase-1		
	NM_0312				
siRNA-Temozolomide Run3-DMSO	68	PDPK1	kinase-1	-0.588283	Inlier
			3-phosphoinositide dependent protein kinase-1		
	NM_0312				
siRNA-Temozolomide Run2-DMSO	68	PDPK1	kinase-1	-0.444702	Inlier
			3-phosphoinositide dependent protein kinase-1		
	NM_0312				
siRNA-Temozolomide Run1-DMSO	68	PDPK1	kinase-1	-0.07532	Inlier
			3-phosphoinositide dependent protein kinase-1		
	NM_0312				
siRNA Disorazole DMSO Run2	68	PDPK1	kinase-1	0.07532	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0312 68	PDPK1	3-phosphoinositide dependent protein kinase-1	0.760717	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0312 68	PDPK1	3-phosphoinositide dependent protein kinase-1	1.353252	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0312 68	PDPK1	3-phosphoinositide dependent protein kinase-1	1.520487	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0179 90	PDPR	PDPR	-2.497243	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0179 90	PDPR	PDPR	-1.737009	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0179 90	PDPR	PDPR	-1.431312	Inlier
siRNA Disorazole DMSO Run1	NM_0179 90	PDPR	PDPR	-0.156204	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0179 90	PDPR	PDPR	0.156203	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0179 90	PDPR	PDPR	0.293999	Inlier
siRNA Disorazole DMSO Run2	NM_0179 90	PDPR	PDPR	0.605426	Inlier
siRNA Disorazole DMSO Run3	NM_0179 90	PDPR	PDPR	0.743574	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0036 81	PDXK	pyridoxal (pyridoxine , vitamin B6) kinase	-1.574988	Inlier
siRNA Disorazole DMSO Run3	NM_0036 81	PDXK	pyridoxal (pyridoxine , vitamin B6) kinase	-0.70612	Inlier
siRNA Disorazole DMSO Run2	NM_0036 81	PDXK	pyridoxal (pyridoxine , vitamin B6) kinase	-0.53824	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0036 81	PDXK	pyridoxal (pyridoxine , vitamin B6) kinase	-0.366205	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0036 81	PDXK	pyridoxal (pyridoxine , vitamin B6) kinase	0.366205	Inlier
siRNA Disorazole DMSO Run1	NM_0036 81	PDXK	pyridoxal (pyridoxine , vitamin B6) kinase	0.64288	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0036 81	PDXK	pyridoxal (pyridoxine , vitamin B6) kinase	1.269398	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0036 81	PDXK	pyridoxal (pyridoxine , vitamin B6) kinase	1.374851	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0061 17	PECI	peroxisom al D3,D2- enoyl-CoA isomerase	-1.428759	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0061 17	PECI	peroxisom al D3,D2- enoyl-CoA isomerase	-1.3761	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0061 17	PECI	peroxisom al D3,D2- enoyl-CoA isomerase	-0.44257	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0061 17	PECI	peroxisomal D3,D2-enoyl-CoA isomerase	-0.274377	Inlier
siRNA Disorazole DMSO Run1	NM_0061 17	PECI	peroxisomal D3,D2-enoyl-CoA isomerase	0.274376	Inlier
siRNA Disorazole DMSO Run3	NM_0061 17	PECI	peroxisomal D3,D2-enoyl-CoA isomerase	0.335903	Inlier
siRNA Disorazole DMSO Run2	NM_0061 17	PECI	peroxisomal D3,D2-enoyl-CoA isomerase	0.90643	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0061 17	PECI	peroxisomal D3,D2-enoyl-CoA isomerase	1.658878	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0184 41	PECR	peroxisomal trans-2-enoyl-CoA reductase	-0.994886	Inlier
siRNA Disorazole DMSO Run1	NM_0184 41	PECR	peroxisomal trans-2-enoyl-CoA reductase	-0.354114	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0184 41	PECR	peroxisomal trans-2-enoyl-CoA reductase	-0.348259	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0184 41	PECR	peroxisomal trans-2-enoyl-CoA reductase	-0.014862	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0184 41	PECR	peroxisomal trans-2-enoyl-CoA reductase	0.014862	Inlier
siRNA Disorazole DMSO Run3	NM_0184 41	PECR	peroxisomal trans-2-enoyl-CoA reductase	1.014836	Inlier
siRNA Disorazole DMSO Run2	NM_0184 41	PECR	peroxisomal trans-2-enoyl-CoA reductase	1.557008	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0184 41	PECR	peroxisomal trans-2-enoyl-CoA reductase	2.108606	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1481 73	PEMT	phosphatidylethanolamine N-methyltransferase	-2.795147	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1481 73	PEMT	phosphatidylethanolamine N-methyltransferase	-1.671217	Inlier
siRNA Disorazole DMSO Run3	NM_1481 73	PEMT	phosphatidylethanolamine N-methyltransferase	-0.312241	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1481 73	PEMT	phosphatidylethanolamine N-methyltransferase	-0.115214	Inlier
siRNA Disorazole DMSO Run1	NM_1481 73	PEMT	phosphatidylethanolamine N-methyltransferase	0.115214	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_1481 73	PEMT	phosphatidylethanolamine N-methyltransferase	0.369477	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1481 73	PEMT	phosphatidylethanolamine N-methyltransferase	0.979523	Inlier
siRNA Disorazole DMSO Run2	NM_1481 73	PEMT	phosphatidylethanolamine N-methyltransferase	1.199484	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0002 85	PEPD	peptidase D	-1.686	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0002 85	PEPD	peptidase D	-1.577322	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0002 85	PEPD	peptidase D	-0.256395	Inlier
siRNA Disorazole DMSO Run3	NM_0002 85	PEPD	peptidase D	-0.129906	Inlier
siRNA Disorazole DMSO Run2	NM_0002 85	PEPD	peptidase D	0.129906	Inlier
siRNA Disorazole DMSO Run1	NM_0002 85	PEPD	peptidase D	0.20709	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0002 85	PEPD	peptidase D	1.092605	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0002 85	PEPD	peptidase D	1.303738	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0004 66	PEX1	peroxisome biogenesis factor 1	-1.164186	Inlier
siRNA Disorazole DMSO Run1	NM_0004 66	PEX1	peroxisome biogenesis factor 1	-1.098722	Inlier
siRNA Disorazole DMSO Run3	NM_0004 66	PEX1	peroxisome biogenesis factor 1	-0.834368	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0004 66	PEX1	peroxisome biogenesis factor 1	-0.182609	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0004 66	PEX1	peroxisome biogenesis factor 1	0.182609	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Value	Outlier Status
siRNA-Vinblastine Run1-DMSO	NM_000466	PEX1	peroxisome biogenesis factor 1	0.308286	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000466	PEX1	peroxisome biogenesis factor 1	0.514631	Inlier
siRNA Disorazole DMSO Run2	NM_000466	PEX1	peroxisomal biogenesis factor 1	1.00049	Inlier
siRNA Disorazole DMSO Run1	NM_000319	PEX5	peroxisomal biogenesis factor 5	-0.693653	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000319	PEX5	peroxisomal biogenesis factor 5	-0.655347	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000319	PEX5	peroxisomal biogenesis factor 5	-0.364489	Inlier
siRNA Disorazole DMSO Run3	NM_000319	PEX5	peroxisomal biogenesis factor 5	-0.007775	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000319	PEX5	peroxisomal biogenesis factor 5	0.007775	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000319	PEX5	peroxisomal biogenesis factor 5	0.787556	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000319	PEX5	peroxisomal biogenesis factor 5	1.263937	Inlier
siRNA Disorazole DMSO Run2	NM_000319	PEX5	peroxisomal biogenesis factor 5	1.437897	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000287	PEX6	peroxisomal biogenesis factor 6	-1.980855	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000287	PEX6	peroxisomal biogenesis factor 6	-1.31352	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0002 87	PEX6	peroxisomal biogenesis factor 6	-0.898062	Inlier
siRNA Disorazole DMSO Run1	NM_0002 87	PEX6	peroxisomal biogenesis factor 6	-0.095735	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0002 87	PEX6	peroxisomal biogenesis factor 6	0.095735	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0002 87	PEX6	peroxisomal biogenesis factor 6	0.14304	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0002 87	PEX6	peroxisomal biogenesis factor 6	0.450938	Inlier
siRNA Disorazole DMSO Run2	NM_0002 87	PEX6	peroxisomal biogenesis factor 6	1.639014	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0123 93	PFAS	phosphoribosylformylglycinamide synthase (FGAR amidotransferase)	-1.094211	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0123 93	PFAS	phosphoribosylformylglycinamide synthase (FGAR amidotransferase)	-0.645194	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0123 93	PFAS	phosphoribosylformylglycinamide synthase (FGAR amidotransferase)	-0.312244	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0123 93	PFAS	phosphoribosylformylglycinamide synthase (FGAR amidotransferase)	-0.210025	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0123 93	PFAS	phosphoribosylformylglycinamide synthase (FGAR amidotransferase)	0.210025	Inlier
siRNA Disorazole DMSO Run1	NM_0123 93	PFAS	phosphoribosylformylglycinamide synthase (FGAR amidotransferase)	0.703806	Inlier
siRNA Disorazole DMSO Run2	NM_0123 93	PFAS	phosphoribosylformylglycinamide synthase (FGAR amidotransferase)	2.68084	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0123 93	PFAS	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 1	2.789414	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0026 25	PFKFB1	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 1	-0.873378	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Run	Gene ID	Gene Name	Log Fold Change	Outlier Status
siRNA-Temozolomide DMSO	Run3	NM_002625	PFKFB1	-0.757446	Inlier
siRNA Disorazole DMSO	Run3	NM_002625	PFKFB1	-0.23135	Inlier
siRNA-Temozolomide DMSO	Run1	NM_002625	PFKFB1	-0.167205	Inlier
siRNA Disorazole DMSO	Run2	NM_002625	PFKFB1	0.167205	Inlier
siRNA Disorazole DMSO	Run1	NM_002625	PFKFB1	0.591554	Inlier
siRNA-Vinblastine DMSO	Run1	NM_002625	PFKFB1	0.896212	Inlier
siRNA-Vinblastine DMSO	Run2	NM_002625	PFKFB1	0.896314	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Protein	Value	Category
siRNA-Vinblastine Run1-DMSO	NM_001018053	PFKFB2	6-phosphofructo-2-kinase/fructose-2,6-biphosphate 2	1.880949	Inlier
siRNA Disorazole DMSO Run2	NM_004566	PFKFB3	6-phosphofructo-2-kinase/fructose-2,6-biphosphate 3	-0.675849	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004566	PFKFB3	6-phosphofructo-2-kinase/fructose-2,6-biphosphate 3	-0.673151	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004566	PFKFB3	6-phosphofructo-2-kinase/fructose-2,6-biphosphate 3	-0.546053	Inlier
siRNA Disorazole DMSO Run3	NM_004566	PFKFB3	6-phosphofructo-2-kinase/fructose-2,6-biphosphate 3	-0.126284	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004566	PFKFB3	6-phosphofructo-2-kinase/fructose-2,6-biphosphate 3	0.126284	Inlier
siRNA Disorazole DMSO Run1	NM_004566	PFKFB3	6-phosphofructo-2-kinase/fructose-2,6-biphosphate 3	2.45598	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_004566	PFKFB3	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	3.0799	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004566	PFKFB3	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	3.397595	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004567	PFKFB4	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 4	-0.756462	Inlier
siRNA Disorazole DMSO Run2	NM_004567	PFKFB4	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 4	-0.756164	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004567	PFKFB4	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 4	-0.582196	Inlier
siRNA Disorazole DMSO Run3	NM_004567	PFKFB4	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 4	-0.108722	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004567	PFKFB4	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 4	0.108722	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0045 67	PFKFB4	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 4	0.597446	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0045 67	PFKFB4	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 4	0.751554	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0045 67	PFKFB4	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 4	0.955467	Inlier
siRNA Disorazole DMSO Run2	NM_0010 02021	PFKL	phosphofructokinase , liver	-0.90794	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 02021	PFKL	phosphofructokinase , liver	-0.758798	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 02021	PFKL	phosphofructokinase , liver	-0.21399	Inlier
siRNA Disorazole DMSO Run3	NM_0010 02021	PFKL	phosphofructokinase , liver	-0.174186	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 02021	PFKL	phosphofructokinase , liver	0.174186	Inlier
siRNA Disorazole DMSO Run1	NM_0010 02021	PFKL	phosphofructokinase , liver	0.590202	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 02021	PFKL	phosphofructokinase , liver	1.601876	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 02021	PFKL	phosphofructokinase , liver	1.607604	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0002 89	PFKM	phosphofructokinase , muscle	-1.220259	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0002 89	PFKM	phosphofructokinase , muscle	-0.821357	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Condition	Gene ID	Method	Gene Name	Log2FC	Category
Molecular Pharmacology siRNA-Temozolomide Run3- DMSO	NM_0002 89	PFKM	phospho- receptor tyrosine kinase, muscle	-0.676682	Inlier
siRNA Disorazole DMSO Run1	NM_0002 89	PFKM	phospho- receptor tyrosine kinase, muscle	-0.240311	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0002 89	PFKM	phospho- receptor tyrosine kinase, muscle	0.240312	Inlier
siRNA Disorazole DMSO Run2	NM_0002 89	PFKM	phospho- receptor tyrosine kinase, muscle	0.617237	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0002 89	PFKM	phospho- receptor tyrosine kinase, muscle	0.672318	Inlier
siRNA Disorazole DMSO Run3	NM_0002 89	PFKM	phospho- receptor tyrosine kinase, muscle	2.586889	Inlier
siRNA Disorazole DMSO Run2	NM_0026 27	PFKP	phospho- receptor tyrosine kinase, platelet	-2.135644	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0026 27	PFKP	phospho- receptor tyrosine kinase, platelet	-1.37033	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0026 27	PFKP	phospho- receptor tyrosine kinase, platelet	-0.331422	Inlier
siRNA Disorazole DMSO Run1	NM_0026 27	PFKP	phospho- receptor tyrosine kinase, platelet	-0.069935	Inlier
siRNA Disorazole DMSO Run3	NM_0026 27	PFKP	phospho- receptor tyrosine kinase, platelet	0.069935	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0026 27	PFKP	phospho- receptor tyrosine kinase, platelet	0.084869	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0026 27	PFKP	phospho- receptor tyrosine kinase, platelet	1.017578	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0026 27	PFKP	phospho- receptor tyrosine kinase, platelet	1.419081	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0123 95	PFTK1	PFTAIRE protein kinase 1	-1.303624	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0123 95	PFTK1	PFTAIRE protein kinase 1	-0.993708	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0123 95	PFTK1	PFTAIRE protein kinase 1	-0.872092	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Gene ID	Gene Name	Value	Category
siRNA Disorazole DMSO Run3	PFTK1	NM_0123 95	PFTAIRE protein kinase 1	-0.090414	Inlier
siRNA-Vinblastine Run1-DMSO	PFTK1	NM_0123 95	PFTAIRE protein kinase 1	0.090414	Inlier
siRNA Disorazole DMSO Run2	PFTK1	NM_0123 95	PFTAIRE protein kinase 1	0.360856	Inlier
siRNA Disorazole DMSO Run1	PFTK1	NM_0123 95	PFTAIRE protein kinase 1	0.476908	Inlier
siRNA-Vinblastine Run2-DMSO	PFTK1	NM_0123 95	PFTAIRE protein kinase 1	1.01894	Inlier
siRNA Disorazole DMSO Run1	PGA5	NM_0142 24	pepsinogen 5, group I (pepsinogen A)	-1.265426	Inlier
siRNA-Vinblastine Run1-DMSO	PGA5	NM_0142 24	pepsinogen 5, group I (pepsinogen A)	-0.77679	Inlier
siRNA-Temozolomide Run3-DMSO	PGA5	NM_0142 24	pepsinogen 5, group I (pepsinogen A)	-0.57221	Inlier
siRNA-Temozolomide Run2-DMSO	PGA5	NM_0142 24	pepsinogen 5, group I (pepsinogen A)	-0.210852	Inlier
siRNA-Vinblastine Run2-DMSO	PGA5	NM_0142 24	pepsinogen 5, group I (pepsinogen A)	0.210852	Inlier
siRNA-Temozolomide Run1-DMSO	PGA5	NM_0142 24	pepsinogen 5, group I (pepsinogen A)	0.440568	Inlier
siRNA Disorazole DMSO Run2	PGA5	NM_0142 24	pepsinogen 5, group I (pepsinogen A)	0.816369	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Cell Line	Gene Name	Log Fold Change	Classification
siRNA Disorazole DMSO Run3	NM_0142	PGA5	pepsinogen 5, group I (pepsinogen A)	4.590895	Outlier
siRNA-Vinblastine Run2-DMSO	NM_0026	PGAM1	phosphoglycerate mutase 1 (brain)	-1.682997	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0026	PGAM1	phosphoglycerate mutase 1 (brain)	-1.406108	Inlier
siRNA Disorazole DMSO Run1	NM_0026	PGAM1	phosphoglycerate mutase 1 (brain)	-0.662514	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0026	PGAM1	phosphoglycerate mutase 1 (brain)	-0.212047	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0026	PGAM1	phosphoglycerate mutase 1 (brain)	0.212047	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0026	PGAM1	phosphoglycerate mutase 1 (brain)	0.417427	Inlier
siRNA Disorazole DMSO Run2	NM_0026	PGAM1	phosphoglycerate mutase 1 (brain)	0.686486	Inlier
siRNA Disorazole DMSO Run3	NM_0026	PGAM1	phosphoglycerate mutase 1 (brain)	3.2946	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0002	PGAM2	phosphoglycerate mutase 2 (muscle)	-1.047839	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0002	PGAM2	phosphoglycerate mutase 2 (muscle)	-0.87884	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0002	PGAM2	phosphoglycerate mutase 2 (muscle)	-0.332523	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Cell Line	Gene Name	Log Fold Change	Outlier Status
siRNA Disorazole DMSO Run1	NM_0002	90	PGAM2	-0.303483	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0002	90	PGAM2	0.303483	Inlier
siRNA Disorazole DMSO Run3	NM_0002	90	PGAM2	0.47016	Inlier
siRNA Disorazole DMSO Run2	NM_0002	90	PGAM2	1.054668	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0002	90	PGAM2	1.552755	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0026	30	PGC	-3.379765	Inlier
siRNA Disorazole DMSO Run2	NM_0026	30	PGC	-3.016931	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0026	30	PGC	-0.397942	Inlier
siRNA Disorazole DMSO Run1	NM_0026	30	PGC	-0.188247	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0026	30	PGC	0.188246	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0026	30	PGC	0.244402	Inlier
siRNA Disorazole DMSO Run3	NM_0026	30	PGC	0.951058	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0026	30	PGC	2.158398	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA-Temozolomide Run3- DMSO	NM_0161 34	PGCP	PGCP	-1.186659	Inlier
siRNA Disorazole DMSO Run2	NM_0161 34	PGCP	PGCP	-0.714955	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0161 34	PGCP	PGCP	-0.634045	Inlier
siRNA Disorazole DMSO Run1	NM_0161 34	PGCP	PGCP	-0.211968	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0161 34	PGCP	PGCP	0.211969	Inlier
siRNA Disorazole DMSO Run3	NM_0161 34	PGCP	PGCP	0.390146	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0161 34	PGCP	PGCP	0.748367	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0161 34	PGCP	PGCP	0.892034	Inlier
siRNA Disorazole DMSO Run3	NM_0026 31	PGD	phosphogl uconate dehydroge nase	-0.829751	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0026 31	PGD	phosphogl uconate dehydroge nase	-0.713994	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0026 31	PGD	phosphogl uconate dehydroge nase	-0.635006	Inlier
siRNA Disorazole DMSO Run1	NM_0026 31	PGD	phosphogl uconate dehydroge nase	-0.358309	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0026 31	PGD	phosphogl uconate dehydroge nase	0.358309	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0026 31	PGD	phosphogl uconate dehydroge nase	0.498257	Inlier
siRNA Disorazole DMSO Run2	NM_0026 31	PGD	phosphogl uconate dehydroge nase	1.025331	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0026 31	PGD	phosphogl uconate dehydroge nase	1.269617	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0144 85	PGDS	PGDS	-0.855714	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0144 85	PGDS	PGDS	-0.734405	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Temozolomide Run1- DMSO	NM_0144 85	PGDS	PGDS	-0.393114	Inlier
siRNA Disorazole DMSO Run1	NM_0144 85	PGDS	PGDS	-0.076313	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0144 85	PGDS	PGDS	0.076313	Inlier
siRNA Disorazole DMSO Run3	NM_0144 85	PGDS	PGDS	0.614595	Inlier
siRNA Disorazole DMSO Run2	NM_0144 85	PGDS	PGDS	2.141515	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0144 85	PGDS	PGDS	3.015497	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0050 23	PGGT1B	protein geranylger anyltransfe rase type I, beta subunit	-1.111172	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0050 23	PGGT1B	protein geranylger anyltransfe rase type I, beta subunit	-0.475365	Inlier
siRNA Disorazole DMSO Run3	NM_0050 23	PGGT1B	protein geranylger anyltransfe rase type I, beta subunit	-0.324505	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0050 23	PGGT1B	protein geranylger anyltransfe rase type I, beta subunit	-0.290272	Inlier
siRNA Disorazole DMSO Run1	NM_0050 23	PGGT1B	protein geranylger anyltransfe rase type I, beta subunit	0.290271	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_005023	PGGT1B	protein geranylgeranyltransferase type I, beta subunit	0.873635	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005023	PGGT1B	protein geranylgeranyltransferase type I, beta subunit	1.797449	Inlier
siRNA Disorazole DMSO Run2	NM_005023	PGGT1B	protein geranylgeranyltransferase type I, beta subunit	1.911884	Inlier
siRNA Disorazole DMSO Run2	NM_000291	PGK1	phosphoglycerate kinase 1	-0.984816	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000291	PGK1	phosphoglycerate kinase 1	-0.714707	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000291	PGK1	phosphoglycerate kinase 1	-0.172959	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000291	PGK1	phosphoglycerate kinase 1	-0.135926	Inlier
siRNA Disorazole DMSO Run1	NM_000291	PGK1	phosphoglycerate kinase 1	0.135927	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000291	PGK1	phosphoglycerate kinase 1	0.634293	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000291	PGK1	phosphoglycerate kinase 1	0.756003	Inlier
siRNA Disorazole DMSO Run3	NM_000291	PGK1	phosphoglycerate kinase 1	0.873287	Inlier
siRNA-Temozolomide Run3-DMSO	NM_138733	PGK2	phosphoglycerate kinase 2	-1.247727	Inlier
siRNA Disorazole DMSO Run2	NM_138733	PGK2	phosphoglycerate kinase 2	-1.010058	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology				phosphogl ycerate kinase 2	
siRNA-Temozolomide Run2- DMSO	NM_1387 33	PGK2		-0.467433	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1387 33	PGK2		-0.115039	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1387 33	PGK2		0.115039	Inlier
siRNA Disorazole DMSO Run1	NM_1387 33	PGK2		0.304814	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1387 33	PGK2		0.881567	Inlier
siRNA Disorazole DMSO Run3	NM_1387 33	PGK2		0.933148	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0120 88	PGLS		-0.795374	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0120 88	PGLS		-0.685455	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0120 88	PGLS		-0.663545	Inlier
siRNA Disorazole DMSO Run3	NM_0120 88	PGLS		-0.361175	Inlier
siRNA Disorazole DMSO Run1	NM_0120 88	PGLS		0.361175	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0120 88	PGLS		0.44951	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0120 88	PGLS		2.166594	Inlier
siRNA Disorazole DMSO Run2	NM_0120 88	PGLS		2.647294	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_005091	PGLYRP1	peptidoglycan recognition protein 1	-0.857576	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005091	PGLYRP1	peptidoglycan recognition protein 1	-0.633261	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005091	PGLYRP1	peptidoglycan recognition protein 1	-0.289645	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005091	PGLYRP1	peptidoglycan recognition protein 1	-0.141083	Inlier
siRNA Disorazole DMSO Run3	NM_005091	PGLYRP1	peptidoglycan recognition protein 1	0.141083	Inlier
siRNA Disorazole DMSO Run1	NM_005091	PGLYRP1	peptidoglycan recognition protein 1	0.715739	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005091	PGLYRP1	peptidoglycan recognition protein 1	1.621225	Inlier
siRNA Disorazole DMSO Run2	NM_005091	PGLYRP1	peptidoglycan recognition protein 1	2.01847	Inlier
siRNA-Temozolomide Run3-DMSO	NM_052890	PGLYRP2	peptidoglycan recognition protein 2	-1.905039	Inlier
siRNA-Temozolomide Run2-DMSO	NM_052890	PGLYRP2	peptidoglycan recognition protein 2	-1.084297	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0528 90	PGLYRP2	peptidogly can recognitio n protein 2	-0.264703	Inlier
siRNA Disorazole DMSO Run1	NM_0528 90	PGLYRP2	peptidogly can recognitio n protein 2	-0.052417	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0528 90	PGLYRP2	peptidogly can recognitio n protein 2	0.052417	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0528 90	PGLYRP2	peptidogly can recognitio n protein 2	0.059071	Inlier
siRNA Disorazole DMSO Run2	NM_0528 90	PGLYRP2	peptidogly can recognitio n protein 2	2.55179	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0528 90	PGLYRP2	peptidogly can recognitio n protein 2	3.784882	Outlier
siRNA-Temozolomide Run3- DMSO	NM_0528 91	PGLYRP3	peptidogly can recognitio n protein 3	-3.968098	Outlier
siRNA Disorazole DMSO Run1	NM_0528 91	PGLYRP3	peptidogly can recognitio n protein 3	-0.850226	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0528 91	PGLYRP3	peptidogly can recognitio n protein 3	-0.498774	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0528 91	PGLYRP3	peptidogly can recognitio n protein 3	-0.146878	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0528 91	PGLYRP3	peptidogly can recognitio n protein 3	0.146878	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0528 91	PGLYRP3	peptidogly can recognitio n protein 3	0.319201	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0528 91	PGLYRP3	peptidogly can recognitio n protein 3	1.279534	Inlier
siRNA Disorazole DMSO Run2	NM_0528 91	PGLYRP3	peptidogly can recognitio n protein 3	2.702257	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0203 93	PGLYRP4	peptidogly can recognitio n protein 4	-1.644693	Inlier
siRNA Disorazole DMSO Run3	NM_0203 93	PGLYRP4	peptidogly can recognitio n protein 4	-0.572821	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0203 93	PGLYRP4	peptidogly can recognitio n protein 4	-0.536704	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0203 93	PGLYRP4	peptidogly can recognitio n protein 4	-0.228688	Inlier
siRNA Disorazole DMSO Run1	NM_0203 93	PGLYRP4	peptidogly can recognitio n protein 4	0.228688	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0203 93	PGLYRP4	peptidogly can recognitio n protein 4	0.776179	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0203 93	PGLYRP4	peptidoglycan recognition protein 4	3.800952	Outlier
siRNA Disorazole DMSO Run2	NM_0203 93	PGLYRP4	peptidoglycan recognition protein 4	3.995481	Outlier
siRNA-Temozolomide Run1-DMSO	NM_0026 33	PGM1	phosphoglucomutase 1	-4.276432	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0026 33	PGM1	phosphoglucomutase 1	-1.025603	Inlier
siRNA Disorazole DMSO Run1	NM_0026 33	PGM1	phosphoglucomutase 1	-0.635938	Inlier
siRNA Disorazole DMSO Run2	NM_0026 33	PGM1	phosphoglucomutase 1	-0.065807	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0026 33	PGM1	phosphoglucomutase 1	0.065805	Inlier
siRNA Disorazole DMSO Run3	NM_0026 33	PGM1	phosphoglucomutase 1	0.640931	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0026 33	PGM1	phosphoglucomutase 1	0.708069	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0026 33	PGM1	phosphoglucomutase 1	1.720514	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0182 90	PGM2	phosphoglucomutase 2	-1.857137	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0182 90	PGM2	phosphoglucomutase 2	-0.660087	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0182 90	PGM2	phosphoglucomutase 2	-0.235828	Inlier
siRNA Disorazole DMSO Run1	NM_0182 90	PGM2	phosphoglucomutase 2	-0.136517	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0182 90	PGM2	phosphoglucomutase 2	0.136517	Inlier
siRNA Disorazole DMSO Run3	NM_0182 90	PGM2	phosphoglucomutase 2	0.688913	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Method	Gene Name	Value	Outlier Status
siRNA Disorazole DMSO Run2	NM_0182 90	PGM2	phosphoglucosyltransferase 2	0.714998	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0182 90	PGM2	phosphoglucosyltransferase 2	0.778188	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0155 99	PGM3	phosphoglucosyltransferase 3	-1.908126	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0155 99	PGM3	phosphoglucosyltransferase 3	-1.619289	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0155 99	PGM3	phosphoglucosyltransferase 3	-1.206636	Inlier
siRNA Disorazole DMSO Run1	NM_0155 99	PGM3	phosphoglucosyltransferase 3	-0.291961	Inlier
siRNA Disorazole DMSO Run3	NM_0155 99	PGM3	phosphoglucosyltransferase 3	0.291961	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0155 99	PGM3	phosphoglucosyltransferase 3	0.475842	Inlier
siRNA Disorazole DMSO Run2	NM_0155 99	PGM3	phosphoglucosyltransferase 3	0.483372	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0155 99	PGM3	phosphoglucosyltransferase 3	0.865628	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0219 65	PGM5	phosphoglucosyltransferase 5	-2.328829	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0219 65	PGM5	phosphoglucosyltransferase 5	-1.885863	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0219 65	PGM5	phosphoglucosyltransferase 5	-0.714563	Inlier
siRNA Disorazole DMSO Run1	NM_0219 65	PGM5	phosphoglucosyltransferase 5	-0.120723	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0219 65	PGM5	phosphoglucosyltransferase 5	0.120724	Inlier
siRNA Disorazole DMSO Run2	NM_0219 65	PGM5	phosphoglucosyltransferase 5	0.35924	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0219 65	PGM5	phosphoglucosyltransferase 5	0.634437	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0219 65	PGM5	phosphogl ucomutas e 5	0.779568	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0177 12	PGPEP1	pyrogluta myl- peptidase I	-0.85259	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0177 12	PGPEP1	pyrogluta myl- peptidase I	-0.660319	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0177 12	PGPEP1	pyrogluta myl- peptidase I	-0.5335	Inlier
siRNA Disorazole DMSO Run2	NM_0177 12	PGPEP1	pyrogluta myl- peptidase I	-0.236586	Inlier
siRNA Disorazole DMSO Run3	NM_0177 12	PGPEP1	pyrogluta myl- peptidase I	0.236586	Inlier
siRNA Disorazole DMSO Run1	NM_0177 12	PGPEP1	pyrogluta myl- peptidase I	0.688681	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0177 12	PGPEP1	pyrogluta myl- peptidase I	1.626799	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0177 12	PGPEP1	pyrogluta myl- peptidase I	2.834297	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0009 26	PGR	progesterone receptor	-1.013392	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0009 26	PGR	progesterone receptor	-0.810557	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0009 26	PGR	progesterone receptor	-0.538443	Inlier
siRNA Disorazole DMSO Run1	NM_0009 26	PGR	progesterone receptor	-0.314425	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0009 26	PGR	progesterone receptor	0.314425	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology siRNA-Vinblastine Run1- DMSO	NM_0009 26	PGR	progesterone receptor	0.420753	Inlier
siRNA Disorazole DMSO Run2	NM_0009 26	PGR	progesterone receptor	1.399889	Inlier
siRNA Disorazole DMSO Run3	NM_0009 26	PGR	progesterone receptor	2.532402	Inlier
siRNA Disorazole DMSO Run1	NM_0066 67	PGRMC1	progesterone receptor membrane component 1	-1.059828	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0066 67	PGRMC1	progesterone receptor membrane component 1	-0.887798	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0066 67	PGRMC1	progesterone receptor membrane component 1	-0.470482	Inlier
siRNA Disorazole DMSO Run3	NM_0066 67	PGRMC1	progesterone receptor membrane component 1	-0.091188	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0066 67	PGRMC1	progesterone receptor membrane component 1	0.091187	Inlier
siRNA Disorazole DMSO Run2	NM_0066 67	PGRMC1	progesterone receptor membrane component 1	0.513442	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_006667	PGRMC1	progesterone receptor membrane component 1	0.835558	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006667	PGRMC1	progesterone receptor membrane component 1	0.880013	Inlier
siRNA Disorazole DMSO Run2	NM_006320	PGRMC2	progesterone receptor membrane component 2	-5.679877	Outlier
siRNA-Temozolomide Run3-DMSO	NM_006320	PGRMC2	progesterone receptor membrane component 2	-5.29428	Outlier
siRNA-Temozolomide Run2-DMSO	NM_006320	PGRMC2	progesterone receptor membrane component 2	-0.468654	Inlier
siRNA Disorazole DMSO Run1	NM_006320	PGRMC2	progesterone receptor membrane component 2	-0.396653	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006320	PGRMC2	progesterone receptor membrane component 2	0.396655	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0063 20	PGRMC2	progesterone receptor membrane componen t 2	0.646397	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0063 20	PGRMC2	progesterone receptor membrane componen t 2	0.702603	Inlier
siRNA Disorazole DMSO Run3	NM_0063 20	PGRMC2	progesterone receptor membrane componen t 2	1.742388	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0244 19	PGS1	PGS1	-2.410194	Inlier
siRNA Disorazole DMSO Run1	NM_0244 19	PGS1	PGS1	-0.499881	Inlier
siRNA Disorazole DMSO Run3	NM_0244 19	PGS1	PGS1	-0.419043	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0244 19	PGS1	PGS1	-0.107303	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0244 19	PGS1	PGS1	0.107303	Inlier
siRNA Disorazole DMSO Run2	NM_0244 19	PGS1	PGS1	0.849119	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0244 19	PGS1	PGS1	0.902624	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0244 19	PGS1	PGS1	2.390784	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1779 39	PH-4	PH-4	-1.219514	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1779 39	PH-4	PH-4	-1.012951	Inlier
siRNA Disorazole DMSO Run1	NM_1779 39	PH-4	PH-4	-0.336049	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1779 39	PH-4	PH-4	-0.052747	Inlier
siRNA Disorazole DMSO Run3	NM_1779 39	PH-4	PH-4	0.052747	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1779 39	PH-4	PH-4	0.23662	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1779 39	PH-4	PH-4	1.221254	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_1779				
siRNA Disorazole DMSO Run2	39	PH-4	PH-4	1.320829	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0325				
	92	PHACS	PHACS	-1.517771	Inlier
	NM_0325				
siRNA Disorazole DMSO Run1	92	PHACS	PHACS	-0.324289	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0325				
	92	PHACS	PHACS	-0.123835	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0325				
	92	PHACS	PHACS	-0.076835	Inlier
	NM_0325				
siRNA Disorazole DMSO Run3	92	PHACS	PHACS	0.076835	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0325				
	92	PHACS	PHACS	1.024711	Inlier
	NM_0325				
siRNA Disorazole DMSO Run2	92	PHACS	PHACS	1.075472	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0325				
	92	PHACS	PHACS	1.663171	Inlier
			phytocera		
siRNA-Vinblastine Run2-DMSO	NM_0183		midase,		
	67	PHCA	alkaline	-0.760812	Inlier
			phytocera		
siRNA-Temozolomide Run2-DMSO	NM_0183		midase,		
	67	PHCA	alkaline	-0.749153	Inlier
			phytocera		
siRNA Disorazole DMSO Run3	NM_0183		midase,		
	67	PHCA	alkaline	-0.222153	Inlier
			phytocera		
siRNA Disorazole DMSO Run1	NM_0183		midase,		
	67	PHCA	alkaline	-0.077867	Inlier
			phytocera		
siRNA-Temozolomide Run3-DMSO	NM_0183		midase,		
	67	PHCA	alkaline	0.077868	Inlier
			phytocera		
siRNA-Temozolomide Run1-DMSO	NM_0183		midase,		
	67	PHCA	alkaline	0.599847	Inlier
			phytocera		
siRNA-Vinblastine Run1-DMSO	NM_0183		midase,		
	67	PHCA	alkaline	0.876951	Inlier
			phytocera		
	NM_0183		midase,		
siRNA Disorazole DMSO Run2	67	PHCA	alkaline	1.003524	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_000444	PHEX	phosphate regulating endopeptidase homolog, X-linked (hypophosphatemia, vitamin D resistant rickets)	-16.39537	Outlier
siRNA-Temozolomide Run1-DMSO	NM_000444	PHEX	phosphate regulating endopeptidase homolog, X-linked (hypophosphatemia, vitamin D resistant rickets)	-0.279879	Inlier
siRNA Disorazole DMSO Run3	NM_000444	PHEX	phosphate regulating endopeptidase homolog, X-linked (hypophosphatemia, vitamin D resistant rickets)	-0.139194	Inlier
siRNA Disorazole DMSO Run2	NM_000444	PHEX	phosphate regulating endopeptidase homolog, X-linked (hypophosphatemia, vitamin D resistant rickets)	-0.000247	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_000444	PHEX	phosphate regulating endopeptidase homolog, X-linked (hypophosphatemia, vitamin D resistant rickets)	0.000247	Inlier
siRNA Disorazole DMSO Run1	NM_000444	PHEX	phosphate regulating endopeptidase homolog, X-linked (hypophosphatemia, vitamin D resistant rickets)	1.069121	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000444	PHEX	phosphate regulating endopeptidase homolog, X-linked (hypophosphatemia, vitamin D resistant rickets)	10.11998	Outlier
siRNA-Vinblastine Run1-DMSO	NM_000444	PHEX	phosphate regulating endopeptidase homolog, X-linked (hypophosphatemia, vitamin D resistant rickets)	14.09986	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

	NM_0208		PHD finger		
siRNA Disorazole DMSO Run1	89	PHF12	protein 12	-1.244129	Inlier
	NM_0208		PHD finger		
siRNA Disorazole DMSO Run3	89	PHF12	protein 12	-0.83709	Inlier
	NM_0208		PHD finger		
siRNA-Temozolomide Run2-DMSO	89	PHF12	protein 12	-0.419165	Inlier
	NM_0208		PHD finger		
siRNA-Temozolomide Run1-DMSO	89	PHF12	protein 12	-0.082595	Inlier
	NM_0208		PHD finger		
siRNA-Vinblastine Run2-DMSO	89	PHF12	protein 12	0.082593	Inlier
	NM_0208		PHD finger		
siRNA-Temozolomide Run3-DMSO	89	PHF12	protein 12	0.51191	Inlier
	NM_0208		PHD finger		
siRNA-Vinblastine Run1-DMSO	89	PHF12	protein 12	0.946672	Inlier
	NM_0208		PHD finger		
siRNA Disorazole DMSO Run2	89	PHF12	protein 12	3.791131	Outlier
	NM_0066		phosphogl ycerate		
siRNA-Temozolomide Run3-DMSO	23	PHGDH	dehydroge nase	-0.934598	Inlier
	NM_0066		phosphogl ycerate		
siRNA-Temozolomide Run1-DMSO	23	PHGDH	dehydroge nase	-0.832843	Inlier
	NM_0066		phosphogl ycerate		
siRNA Disorazole DMSO Run2	23	PHGDH	dehydroge nase	-0.363587	Inlier
	NM_0066		phosphogl ycerate		
siRNA-Temozolomide Run2-DMSO	23	PHGDH	dehydroge nase	-0.237943	Inlier
	NM_0066		phosphogl ycerate		
siRNA Disorazole DMSO Run3	23	PHGDH	dehydroge nase	0.237943	Inlier
	NM_0066		phosphogl ycerate		
siRNA Disorazole DMSO Run1	23	PHGDH	dehydroge nase	0.516157	Inlier
	NM_0066		phosphogl ycerate		
siRNA-Vinblastine Run1-DMSO	23	PHGDH	dehydroge nase	1.201949	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_006623	PHGDH	phosphoglycerate dehydrogenase	1.568277	Inlier
siRNA-Temozolomide Run3-DMSO	NM_177967	PHGDHL1	phosphoglycerate dehydrogenase like 1	-0.922525	Inlier
siRNA-Temozolomide Run2-DMSO	NM_177967	PHGDHL1	phosphoglycerate dehydrogenase like 1	-0.478362	Inlier
siRNA-Temozolomide Run1-DMSO	NM_177967	PHGDHL1	phosphoglycerate dehydrogenase like 1	-0.133884	Inlier
siRNA Disorazole DMSO Run1	NM_177967	PHGDHL1	phosphoglycerate dehydrogenase like 1	-0.126156	Inlier
siRNA Disorazole DMSO Run2	NM_177967	PHGDHL1	phosphoglycerate dehydrogenase like 1	0.126156	Inlier
siRNA-Vinblastine Run1-DMSO	NM_177967	PHGDHL1	phosphoglycerate dehydrogenase like 1	0.870638	Inlier
siRNA-Vinblastine Run2-DMSO	NM_177967	PHGDHL1	phosphoglycerate dehydrogenase like 1	1.173137	Inlier
siRNA Disorazole DMSO Run3	NM_177967	PHGDHL1	phosphoglycerate dehydrogenase like 1	1.247283	Inlier
siRNA Disorazole DMSO Run2	NM_002637	PHKA1	phosphorylase kinase, alpha 1 (muscle)	-1.008533	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0026 37	PHKA1	phosphoryl ase kinase, alpha 1 (muscle)	-0.852884	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0026 37	PHKA1	phosphoryl ase kinase, alpha 1 (muscle)	-0.496116	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0026 37	PHKA1	phosphoryl ase kinase, alpha 1 (muscle)	-0.173998	Inlier
siRNA Disorazole DMSO Run1	NM_0026 37	PHKA1	phosphoryl ase kinase, alpha 1 (muscle)	0.173998	Inlier
siRNA Disorazole DMSO Run3	NM_0026 37	PHKA1	phosphoryl ase kinase, alpha 1 (muscle)	0.2762	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0026 37	PHKA1	phosphoryl ase kinase, alpha 1 (muscle)	0.877194	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0026 37	PHKA1	phosphoryl ase kinase, alpha 1 (muscle)	0.948669	Inlier
siRNA Disorazole DMSO Run2	NM_0002 92	PHKA2	phosphoryl ase kinase, alpha 2 (liver)	-1.143039	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0002 92	PHKA2	phosphoryl ase kinase, alpha 2 (liver)	-0.697815	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0002 92	PHKA2	phosphoryl ase kinase, alpha 2 (liver)	-0.651185	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Value	Outlier Status
siRNA-Temozolomide Run1-DMSO	NM_000292	PHKA2	phosphorylase kinase, alpha 2 (liver)	-0.156464	Inlier
siRNA Disorazole DMSO Run1	NM_000292	PHKA2	phosphorylase kinase, alpha 2 (liver)	0.156464	Inlier
siRNA Disorazole DMSO Run3	NM_000292	PHKA2	phosphorylase kinase, alpha 2 (liver)	0.168761	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000292	PHKA2	phosphorylase kinase, alpha 2 (liver)	0.855085	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000292	PHKA2	phosphorylase kinase, alpha 2 (liver)	0.985555	Inlier
siRNA Disorazole DMSO Run2	NM_000293	PHKB	phosphorylase kinase, beta	-2.99999	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000293	PHKB	phosphorylase kinase, beta	-2.335852	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000293	PHKB	phosphorylase kinase, beta	-0.649171	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000293	PHKB	phosphorylase kinase, beta	-0.231277	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000293	PHKB	phosphorylase kinase, beta	0.231278	Inlier
siRNA Disorazole DMSO Run1	NM_000293	PHKB	phosphorylase kinase, beta	0.374283	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Gene	Value	Outlier
siRNA-Vinblastine Run2-DMSO	NM_000293	PHKB	phosphorylase kinase, beta	0.699829	Inlier
siRNA Disorazole DMSO Run3	NM_000293	PHKB	phosphorylase kinase, beta	2.435858	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006213	PHKG1	kinase, gamma 1 (muscle)	-0.909225	Inlier
siRNA Disorazole DMSO Run3	NM_006213	PHKG1	phosphorylase kinase, gamma 1 (muscle)	-0.770322	Inlier
siRNA Disorazole DMSO Run2	NM_006213	PHKG1	phosphorylase kinase, gamma 1 (muscle)	-0.592658	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006213	PHKG1	phosphorylase kinase, gamma 1 (muscle)	-0.154707	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006213	PHKG1	phosphorylase kinase, gamma 1 (muscle)	0.154707	Inlier
siRNA Disorazole DMSO Run1	NM_006213	PHKG1	phosphorylase kinase, gamma 1 (muscle)	0.425338	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006213	PHKG1	phosphorylase kinase, gamma 1 (muscle)	0.756342	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006213	PHKG1	phosphorylase kinase, gamma 1 (muscle)	0.845699	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_000294	PHKG2	phosphorylase kinase, gamma 2 (testis)	-1.304894	Inlier
siRNA Disorazole DMSO Run2	NM_000294	PHKG2	phosphorylase kinase, gamma 2 (testis)	-1.242203	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000294	PHKG2	phosphorylase kinase, gamma 2 (testis)	-0.697228	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000294	PHKG2	phosphorylase kinase, gamma 2 (testis)	-0.070487	Inlier
siRNA Disorazole DMSO Run3	NM_000294	PHKG2	phosphorylase kinase, gamma 2 (testis)	0.070487	Inlier
siRNA Disorazole DMSO Run1	NM_000294	PHKG2	phosphorylase kinase, gamma 2 (testis)	0.473579	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000294	PHKG2	phosphorylase kinase, gamma 2 (testis)	0.651771	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000294	PHKG2	phosphorylase kinase, gamma 2 (testis)	0.967222	Inlier
siRNA-Temozolomide Run3-DMSO	NM_178500	PHOSPHO1	phosphatase, orphan 1	-1.140424	Inlier
siRNA-Temozolomide Run2-DMSO	NM_178500	PHOSPHO1	phosphatase, orphan 1	-0.320696	Inlier
siRNA Disorazole DMSO Run2	NM_178500	PHOSPHO1	phosphatase, orphan 1	-0.140483	Inlier
siRNA Disorazole DMSO Run3	NM_178500	PHOSPHO1	phosphatase, orphan 1	-0.125744	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology					
siRNA-Temozolomide Run1-DMSO	NM_178500	PHOSPHO1	phosphatase, orphan 1	0.125744	Inlier
siRNA Disorazole DMSO Run1	NM_178500	PHOSPHO1	phosphatase, orphan 1	1.028304	Inlier
siRNA-Vinblastine Run1-DMSO	NM_178500	PHOSPHO1	phosphatase, orphan 1	1.239936	Inlier
siRNA-Vinblastine Run2-DMSO	NM_178500	PHOSPHO1	phosphatase, orphan 1	1.293676	Inlier
siRNA-Temozolomide Run2-DMSO	NM_014172	PHPT1	phosphohistidine phosphatase 1	-1.466143	Inlier
siRNA-Temozolomide Run3-DMSO	NM_014172	PHPT1	phosphohistidine phosphatase 1	-0.900429	Inlier
siRNA Disorazole DMSO Run3	NM_014172	PHPT1	phosphohistidine phosphatase 1	-0.358819	Inlier
siRNA Disorazole DMSO Run2	NM_014172	PHPT1	phosphohistidine phosphatase 1	-0.237526	Inlier
siRNA-Temozolomide Run1-DMSO	NM_014172	PHPT1	phosphohistidine phosphatase 1	0.237526	Inlier
siRNA Disorazole DMSO Run1	NM_014172	PHPT1	phosphohistidine phosphatase 1	0.448571	Inlier
siRNA-Vinblastine Run1-DMSO	NM_014172	PHPT1	phosphohistidine phosphatase 1	1.323323	Inlier
siRNA-Vinblastine Run2-DMSO	NM_014172	PHPT1	phosphohistidine phosphatase 1	2.026379	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006214	PHYH	phytanoyl-CoA hydroxylase (Refsum disease)	-0.892198	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0062 14	PHYH	phytanoyl-CoA hydroxylase (Refsum disease)	-0.456802	Inlier
siRNA Disorazole DMSO Run3	NM_0062 14	PHYH	phytanoyl-CoA hydroxylase (Refsum disease)	-0.348082	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0062 14	PHYH	phytanoyl-CoA hydroxylase (Refsum disease)	-0.135972	Inlier
siRNA Disorazole DMSO Run1	NM_0062 14	PHYH	phytanoyl-CoA hydroxylase (Refsum disease)	0.135972	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0062 14	PHYH	phytanoyl-CoA hydroxylase (Refsum disease)	1.288489	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0062 14	PHYH	phytanoyl-CoA hydroxylase (Refsum disease)	3.729411	Outlier
siRNA Disorazole DMSO Run2	NM_0062 14	PHYH	phytanoyl-CoA hydroxylase (Refsum disease)	4.757591	Outlier
siRNA-Vinblastine Run2-DMSO	NM_1749 33	PHYHD1	phytanoyl-CoA dioxygenase domain containing 1	-4.113895	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1749 33	PHYHD1	1	phytanoyl-CoA dioxygenase domain containing	-0.595362	Inlier
siRNA Disorazole DMSO Run3	NM_1749 33	PHYHD1	1	phytanoyl-CoA dioxygenase domain containing	-0.581599	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1749 33	PHYHD1	1	phytanoyl-CoA dioxygenase domain containing	-0.109842	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1749 33	PHYHD1	1	phytanoyl-CoA dioxygenase domain containing	0.109841	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1749 33	PHYHD1	1	phytanoyl-CoA dioxygenase domain containing	0.753638	Inlier
siRNA Disorazole DMSO Run2	NM_1749 33	PHYHD1	1	phytanoyl-CoA dioxygenase domain containing	2.001202	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1749 33	PHYHD1	1	phytanoyl-CoA dioxygenase domain containing	3.180314	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Log Fold Change	Classification
siRNA-Temozolomide Run3-DMSO	NM_014759	PHYHIP	-1.157869	Inlier
siRNA Disorazole DMSO Run1	NM_014759	PHYHIP	-0.994748	Inlier
siRNA-Temozolomide Run2-DMSO	NM_014759	PHYHIP	-0.354252	Inlier
siRNA-Vinblastine Run2-DMSO	NM_014759	PHYHIP	-0.062041	Inlier
siRNA Disorazole DMSO Run3	NM_014759	PHYHIP	0.062041	Inlier
siRNA-Temozolomide Run1-DMSO	NM_014759	PHYHIP	0.347732	Inlier
siRNA-Vinblastine Run1-DMSO	NM_014759	PHYHIP	3.41966	Inlier
siRNA Disorazole DMSO Run2	NM_014759	PHYHIP	3.56275	Outlier

phytanoyl-CoA hydroxylase interacting protein

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0026 38	PI3	protease inhibitor 3, skin-derived (SKALP)	-1.121381	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0026 38	PI3	protease inhibitor 3, skin-derived (SKALP)	-0.96497	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0026 38	PI3	protease inhibitor 3, skin-derived (SKALP)	-0.293368	Inlier
siRNA Disorazole DMSO Run1	NM_0026 38	PI3	protease inhibitor 3, skin-derived (SKALP)	-0.039032	Inlier
siRNA Disorazole DMSO Run3	NM_0026 38	PI3	protease inhibitor 3, skin-derived (SKALP)	0.039032	Inlier
siRNA Disorazole DMSO Run2	NM_0026 38	PI3	protease inhibitor 3, skin-derived (SKALP)	0.38403	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0026 38	PI3	protease inhibitor 3, skin-derived (SKALP)	1.085309	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0026 38	PI3	protease inhibitor 3, skin-derived (SKALP)	2.052901	Inlier
siRNA Disorazole DMSO Run2	NM_0183 23	PI4K2B	PI4K2B	-1.506147	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0183 23	PI4K2B	PI4K2B	-1.077533	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0183 23	PI4K2B	PI4K2B	-0.448133	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0183 23	PI4K2B	PI4K2B	-0.160335	Inlier
siRNA Disorazole DMSO Run1	NM_0183 23	PI4K2B	PI4K2B	0.160335	Inlier
siRNA Disorazole DMSO Run3	NM_0183 23	PI4K2B	PI4K2B	0.263919	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA-Vinblastine Run2- DMSO	NM_0183 23	PI4K2B	PI4K2B	0.900867	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0183 23	PI4K2B	PI4K2B	1.24713	Inlier
siRNA Disorazole DMSO Run1	NM_0184 25	PI4KII	PI4KII	-0.819954	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0184 25	PI4KII	PI4KII	-0.73685	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0184 25	PI4KII	PI4KII	-0.251038	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0184 25	PI4KII	PI4KII	-0.241501	Inlier
siRNA Disorazole DMSO Run2	NM_0184 25	PI4KII	PI4KII	0.241501	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0184 25	PI4KII	PI4KII	0.61215	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0184 25	PI4KII	PI4KII	1.389991	Inlier
siRNA Disorazole DMSO Run3	NM_0184 25	PI4KII	PI4KII	5.493733	Outlier
siRNA-Temozolomide Run2- DMSO	NM_0144 22	PIB5PA	phosphati dylinositol (4,5) bisphosph ate 5- phosphata se, A	-0.808312	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0144 22	PIB5PA	phosphati dylinositol (4,5) bisphosph ate 5- phosphata se, A	-0.540688	Inlier
siRNA Disorazole DMSO Run2	NM_0144 22	PIB5PA	phosphati dylinositol (4,5) bisphosph ate 5- phosphata se, A	-0.456167	Inlier
siRNA Disorazole DMSO Run3	NM_0144 22	PIB5PA	phosphata se, A	-0.346349	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0144 22	PIB5PA	phosphatidylinositol (4,5) bisphosphate 5-phosphatase, A	0.346349	Inlier
siRNA Disorazole DMSO Run1	NM_0144 22	PIB5PA	phosphatidylinositol (4,5) bisphosphate 5-phosphatase, A	0.817435	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0144 22	PIB5PA	phosphatidylinositol (4,5) bisphosphate 5-phosphatase, A	1.327521	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0144 22	PIB5PA	phosphatidylinositol glycan, class A (paroxysmal nocturnal hemoglobinuria)	1.540883	Inlier
siRNA Disorazole DMSO Run1	NM_0204 72	PIGA	phosphatidylinositol glycan, class A (paroxysmal nocturnal hemoglobinuria)	-2.814895	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0204 72	PIGA	phosphatidylinositol glycan, class A (paroxysmal nocturnal hemoglobinuria)	-1.042536	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_020472	PIGA	phosphatidylinositol glycan, class A (paroxysmal nocturnal hemoglobinuria)	-0.306464	Inlier
siRNA-Vinblastine Run2-DMSO	NM_020472	PIGA	phosphatidylinositol glycan, class A (paroxysmal nocturnal hemoglobinuria)	-0.085995	Inlier
siRNA Disorazole DMSO Run2	NM_020472	PIGA	phosphatidylinositol glycan, class A (paroxysmal nocturnal hemoglobinuria)	0.085995	Inlier
siRNA-Temozolomide Run3-DMSO	NM_020472	PIGA	phosphatidylinositol glycan, class A (paroxysmal nocturnal hemoglobinuria)	0.214057	Inlier
siRNA Disorazole DMSO Run3	NM_020472	PIGA	phosphatidylinositol glycan, class A (paroxysmal nocturnal hemoglobinuria)	1.404775	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_020472	PIGA	phosphatidylinositol glycan, class A (paroxysmal nocturnal hemoglobinuria)	2.25189	Inlier
siRNA-Temozolomide Run2-DMSO	NM_153747	PIGC	phosphatidylinositol glycan, class C	-0.992117	Inlier
siRNA-Vinblastine Run2-DMSO	NM_153747	PIGC	phosphatidylinositol glycan, class C	-0.763555	Inlier
siRNA Disorazole DMSO Run1	NM_153747	PIGC	phosphatidylinositol glycan, class C	-0.585445	Inlier
siRNA-Temozolomide Run1-DMSO	NM_153747	PIGC	phosphatidylinositol glycan, class C	-0.19013	Inlier
siRNA Disorazole DMSO Run3	NM_153747	PIGC	phosphatidylinositol glycan, class C	0.190131	Inlier
siRNA-Temozolomide Run3-DMSO	NM_153747	PIGC	phosphatidylinositol glycan, class C	0.406286	Inlier
siRNA Disorazole DMSO Run2	NM_153747	PIGC	phosphatidylinositol glycan, class C	0.764087	Inlier
siRNA-Vinblastine Run1-DMSO	NM_153747	PIGC	phosphatidylinositol glycan, class C	1.828457	Inlier
siRNA Disorazole DMSO Run1	NM_004569	PIGH	phosphatidylinositol glycan, class H	-0.858272	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004569	PIGH	phosphatidylinositol glycan, class H	-0.825046	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0045 69	PIGH	phosphatidylinositol glycan, class H	-0.523954	Inlier
siRNA Disorazole DMSO Run3	NM_0045 69	PIGH	phosphatidylinositol glycan, class H	-0.066834	Inlier
siRNA Disorazole DMSO Run2	NM_0045 69	PIGH	phosphatidylinositol glycan, class H	0.066833	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0045 69	PIGH	phosphatidylinositol glycan, class H	0.081965	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0045 69	PIGH	phosphatidylinositol glycan, class H	1.284888	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0045 69	PIGH	phosphatidylinositol glycan, class H	3.358615	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0054 82	PIGK	phosphatidylinositol glycan, class K	-2.41013	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0054 82	PIGK	phosphatidylinositol glycan, class K	-1.084854	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0054 82	PIGK	phosphatidylinositol glycan, class K	-0.633137	Inlier
siRNA Disorazole DMSO Run1	NM_0054 82	PIGK	phosphatidylinositol glycan, class K	-0.523837	Inlier
siRNA Disorazole DMSO Run2	NM_0054 82	PIGK	phosphatidylinositol glycan, class K	0.523837	Inlier
siRNA Disorazole DMSO Run3	NM_0054 82	PIGK	phosphatidylinositol glycan, class K	0.568846	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0054 82	PIGK	phosphatidylinositol glycan, class K	0.715863	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0054 82	PIGK	phosphatidylinositol glycan, class K	1.368538	Inlier
siRNA Disorazole DMSO Run1	NM_0042 78	PIGL	phosphatidylinositol glycan, class L	-0.918478	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0042 78	PIGL	phosphatidylinositol glycan, class L	-0.714623	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0042 78	PIGL	phosphatidylinositol glycan, class L	-0.49026	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0042 78	PIGL	phosphatidylinositol glycan, class L	-0.078788	Inlier
siRNA Disorazole DMSO Run3	NM_0042 78	PIGL	phosphatidylinositol glycan, class L	0.078788	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0042 78	PIGL	phosphatidylinositol glycan, class L	0.634377	Inlier
siRNA Disorazole DMSO Run2	NM_0042 78	PIGL	phosphatidylinositol glycan, class L	0.878967	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0042 78	PIGL	phosphatidylinositol glycan, class L	1.367174	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0326 34	PIGO	phosphatidylinositol glycan, class O	-1.19998	Inlier
siRNA Disorazole DMSO Run3	NM_0326 34	PIGO	phosphatidylinositol glycan, class O	-0.657262	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0326 34	PIGO	phosphatidylinositol glycan, class O	-0.591506	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0326 34	PIGO	phosphatidylinositol glycan, class O	-0.214476	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0326 34	PIGO	phosphatidylinositol glycan, class O	0.214476	Inlier
siRNA Disorazole DMSO Run1	NM_0326 34	PIGO	phosphatidylinositol glycan, class O	0.691738	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0326 34	PIGO	phosphatidylinositol glycan, class O	1.675209	Inlier
siRNA Disorazole DMSO Run2	NM_0326 34	PIGO	phosphatidylinositol glycan, class O	1.681074	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1489 20	PIGQ	phosphatidylinositol glycan, class Q	-0.734403	Inlier
siRNA Disorazole DMSO Run1	NM_1489 20	PIGQ	phosphatidylinositol glycan, class Q	-0.614597	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1489 20	PIGQ	phosphatidylinositol glycan, class Q	-0.257911	Inlier
siRNA Disorazole DMSO Run3	NM_1489 20	PIGQ	phosphatidylinositol glycan, class Q	-0.166672	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1489 20	PIGQ	phosphatidylinositol glycan, class Q	0.166672	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1489 20	PIGQ	phosphatidylinositol glycan, class Q	2.109318	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1489 20	PIGQ	phosphatidylinositol glycan, class Q	5.557457	Outlier
siRNA Disorazole DMSO Run2	NM_1489 20	PIGQ	phosphatidylinositol glycan, class Q	5.967189	Outlier
siRNA Disorazole DMSO Run1	NM_0026 44	PIGR	polymeric immunoglobulin receptor	-0.786967	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0026 44	PIGR	polymeric immunoglobulin receptor	-0.701635	Inlier
siRNA Disorazole DMSO Run3	NM_0026 44	PIGR	polymeric immunoglobulin receptor	-0.647365	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0026 44	PIGR	polymeric immunoglobulin receptor	-0.064078	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0026 44	PIGR	polymeric immunoglobulin receptor	0.064078	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0026 44	PIGR	polymeric immunoglobulin receptor	0.576602	Inlier
siRNA Disorazole DMSO Run2	NM_0026 44	PIGR	polymeric immunoglobulin receptor	2.944676	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0026 44	PIGR	polymeric immunoglobulin receptor	3.338816	Inlier
siRNA Disorazole DMSO Run2	NM_1523 09	PIK3AP1	phosphoinositide-3-kinase adaptor protein 1	-1.092227	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1523 09	PIK3AP1	phosphoinositide-3-kinase adaptor protein 1	-0.64967	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1523 09	PIK3AP1	phosphoinositide-3-kinase adaptor protein 1	-0.16838	Inlier
siRNA Disorazole DMSO Run1	NM_1523 09	PIK3AP1	phosphoinositide-3-kinase adaptor protein 1	-0.159221	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_152309	PIK3AP1	phosphoinositide-3-kinase adaptor protein 1	0.159221	Inlier
siRNA-Vinblastine Run2-DMSO	NM_152309	PIK3AP1	phosphoinositide-3-kinase adaptor protein 1	0.69933	Inlier
siRNA-Vinblastine Run1-DMSO	NM_152309	PIK3AP1	phosphoinositide-3-kinase adaptor protein 1	0.792618	Inlier
siRNA Disorazole DMSO Run3	NM_152309	PIK3AP1	phosphoinositide-3-kinase adaptor protein 1	0.925573	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002645	PIK3C2A	phosphoinositide-3-kinase, class 2, alpha polypeptide	-1.451438	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002645	PIK3C2A	phosphoinositide-3-kinase, class 2, alpha polypeptide	-1.383851	Inlier
siRNA Disorazole DMSO Run2	NM_002645	PIK3C2A	phosphoinositide-3-kinase, class 2, alpha polypeptide	-1.115882	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002645	PIK3C2A	phosphoinositide-3-kinase, class 2, alpha polypeptide	-0.338245	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0026 45	PIK3C2A	phosphoinositide-3-kinase, class 2, alpha polypeptide	0.338245	Inlier
siRNA Disorazole DMSO Run3	NM_0026 45	PIK3C2A	phosphoinositide-3-kinase, class 2, alpha polypeptide	0.402786	Inlier
siRNA Disorazole DMSO Run1	NM_0026 45	PIK3C2A	phosphoinositide-3-kinase, class 2, alpha polypeptide	0.462982	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0026 45	PIK3C2A	phosphoinositide-3-kinase, class 2, alpha polypeptide	0.886018	Inlier
siRNA Disorazole DMSO Run2	NM_0026 46	PIK3C2B	phosphoinositide-3-kinase, class 2, beta polypeptide	-2.259479	Inlier
siRNA Disorazole DMSO Run1	NM_0026 46	PIK3C2B	phosphoinositide-3-kinase, class 2, beta polypeptide	-0.740741	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0026 46	PIK3C2B	phosphoinositide-3-kinase, class 2, beta polypeptide	-0.608259	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_002646	PIK3C2B	phosphoinositide-3-kinase, class 2, beta polypeptide	-0.023071	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002646	PIK3C2B	phosphoinositide-3-kinase, class 2, beta polypeptide	0.023069	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002646	PIK3C2B	phosphoinositide-3-kinase, class 2, beta polypeptide	0.538866	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002646	PIK3C2B	phosphoinositide-3-kinase, class 2, beta polypeptide	1.509503	Inlier
siRNA Disorazole DMSO Run3	NM_002646	PIK3C2B	phosphoinositide-3-kinase, class 2, gamma polypeptide	6.042192	Outlier
siRNA-Temozolomide Run1-DMSO	NM_004570	PIK3C2G	phosphoinositide-3-kinase, class 2, gamma polypeptide	-1.106304	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004570	PIK3C2G	phosphoinositide-3-kinase, class 2, gamma polypeptide	-0.378933	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0045 70	PIK3C2G	phosphoinositide-3-kinase, class 2, gamma polypeptide	-0.354195	Inlier
siRNA Disorazole DMSO Run1	NM_0045 70	PIK3C2G	phosphoinositide-3-kinase, class 2, gamma polypeptide	-0.074899	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0045 70	PIK3C2G	phosphoinositide-3-kinase, class 2, gamma polypeptide	0.074899	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0045 70	PIK3C2G	phosphoinositide-3-kinase, class 2, gamma polypeptide	0.970067	Inlier
siRNA Disorazole DMSO Run2	NM_0045 70	PIK3C2G	phosphoinositide-3-kinase, class 2, gamma polypeptide	1.279225	Inlier
siRNA Disorazole DMSO Run3	NM_0045 70	PIK3C2G	phosphoinositide-3-kinase, class 2, gamma polypeptide	3.352361	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0026 47	PIK3C3	phosphoinositide-3-kinase, class 3	-2.581451	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0026 47	PIK3C3	phosphoinositide-3-kinase, class 3	-1.518843	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0026 47	PIK3C3	phosphoinositide-3-kinase, class 3	-0.801781	Inlier
siRNA Disorazole DMSO Run2	NM_0026 47	PIK3C3	phosphoinositide-3-kinase, class 3	-0.282235	Inlier
siRNA Disorazole DMSO Run1	NM_0026 47	PIK3C3	phosphoinositide-3-kinase, class 3	0.282236	Inlier
siRNA Disorazole DMSO Run3	NM_0026 47	PIK3C3	phosphoinositide-3-kinase, class 3	0.587059	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0026 47	PIK3C3	phosphoinositide-3-kinase, class 3	0.628019	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0026 47	PIK3C3	phosphoinositide-3-kinase, class 3	0.720981	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0062 18	PIK3CA	phosphoinositide-3-kinase, catalytic, alpha polypeptide	-0.86009	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0062 18	PIK3CA	phosphoinositide-3-kinase, catalytic, alpha polypeptide	-0.715648	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0062 18	PIK3CA	phosphoinositide-3-kinase, catalytic, alpha polypeptide	-0.633352	Inlier
siRNA Disorazole DMSO Run1	NM_0062 18	PIK3CA	phosphoinositide-3-kinase, catalytic, alpha polypeptide	-0.27471	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0062 18	PIK3CA	phosphoinositide-3-kinase, catalytic, alpha polypeptide	0.27471	Inlier
siRNA Disorazole DMSO Run3	NM_0062 18	PIK3CA	phosphoinositide-3-kinase, catalytic, alpha polypeptide	0.557964	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0062 18	PIK3CA	phosphoinositide-3-kinase, catalytic, alpha polypeptide	0.788421	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0062 18	PIK3CA	phosphoinositide-3-kinase, catalytic, alpha polypeptide	0.909921	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0062 19	PIK3CB	phosphoinositide-3-kinase, catalytic, beta polypeptide	-2.0978	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0062 19	PIK3CB	phosphoinositide-3-kinase, catalytic, beta polypeptide	-0.933736	Inlier
siRNA Disorazole DMSO Run1	NM_0062 19	PIK3CB	phosphoinositide-3-kinase, catalytic, beta polypeptide	-0.415264	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0062 19	PIK3CB	phosphoinositide-3-kinase, catalytic, beta polypeptide	-0.288318	Inlier
siRNA Disorazole DMSO Run2	NM_0062 19	PIK3CB	phosphoinositide-3-kinase, catalytic, beta polypeptide	0.288318	Inlier
siRNA Disorazole DMSO Run3	NM_0062 19	PIK3CB	phosphoinositide-3-kinase, catalytic, beta polypeptide	0.408647	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0062 19	PIK3CB	phosphoinositide-3-kinase, catalytic, beta polypeptide	1.068328	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0062 19	PIK3CB	phosphoinositide-3-kinase, catalytic, beta polypeptide	1.254709	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0050 26	PIK3CD	phosphoinositide-3-kinase, catalytic, delta polypeptide	-1.42375	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0050 26	PIK3CD	phosphoinositide-3-kinase, catalytic, delta polypeptide	-0.685568	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0050 26	PIK3CD	phosphoinositide-3-kinase, catalytic, delta polypeptide	-0.663432	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0050 26	PIK3CD	phosphoinositide-3-kinase, catalytic, delta polypeptide	-0.260185	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0050 26	PIK3CD	phosphoinositide-3-kinase, catalytic, delta polypeptide	0.260184	Inlier
siRNA Disorazole DMSO Run1	NM_0050 26	PIK3CD	phosphoinositide-3-kinase, catalytic, delta polypeptide	0.462055	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0050 26	PIK3CD	phosphoinositide-3-kinase, catalytic, delta polypeptide	1.084593	Inlier
siRNA Disorazole DMSO Run3	NM_0050 26	PIK3CD	phosphoinositide-3-kinase, catalytic, delta polypeptide	2.510547	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0026 49	PIK3CG	phosphoinositide-3-kinase, catalytic, gamma polypeptide	-0.705678	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_002649	PIK3CG	phosphoinositide-3-kinase, catalytic, gamma polypeptide	-0.643322	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002649	PIK3CG	phosphoinositide-3-kinase, catalytic, gamma polypeptide	-0.405634	Inlier
siRNA Disorazole DMSO Run1	NM_002649	PIK3CG	phosphoinositide-3-kinase, catalytic, gamma polypeptide	-0.013345	Inlier
siRNA Disorazole DMSO Run3	NM_002649	PIK3CG	phosphoinositide-3-kinase, catalytic, gamma polypeptide	0.013345	Inlier
siRNA Disorazole DMSO Run2	NM_002649	PIK3CG	phosphoinositide-3-kinase, catalytic, gamma polypeptide	0.990874	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002649	PIK3CG	phosphoinositide-3-kinase, catalytic, gamma polypeptide	1.256901	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002649	PIK3CG	phosphoinositide-3-kinase, catalytic, gamma polypeptide	1.458541	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_1815 24	PIK3R1	phosphoinositide-3-kinase, regulatory subunit 1 (p85 alpha)	-1.964072	Inlier
siRNA Disorazole DMSO Run2	NM_1815 24	PIK3R1	phosphoinositide-3-kinase, regulatory subunit 1 (p85 alpha)	-1.254555	Inlier
siRNA Disorazole DMSO Run1	NM_1815 24	PIK3R1	phosphoinositide-3-kinase, regulatory subunit 1 (p85 alpha)	-0.035764	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1815 24	PIK3R1	phosphoinositide-3-kinase, regulatory subunit 1 (p85 alpha)	-0.019925	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1815 24	PIK3R1	phosphoinositide-3-kinase, regulatory subunit 1 (p85 alpha)	0.019925	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1815 24	PIK3R1	phosphoinositide-3-kinase, regulatory subunit 1 (p85 alpha)	0.190431	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1815 24	PIK3R1	phosphoinositide-3-kinase, regulatory subunit 1 (p85 alpha)	1.158569	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_1815 24	PIK3R1	phosphoinositide-3-kinase, regulatory subunit 1 (p85 alpha)	1.761987	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0050 27	PIK3R2	phosphoinositide-3-kinase, regulatory subunit 2 (p85 beta)	-1.41323	Inlier
siRNA Disorazole DMSO Run2	NM_0050 27	PIK3R2	phosphoinositide-3-kinase, regulatory subunit 2 (p85 beta)	-1.081468	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0050 27	PIK3R2	phosphoinositide-3-kinase, regulatory subunit 2 (p85 beta)	-0.425983	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0050 27	PIK3R2	phosphoinositide-3-kinase, regulatory subunit 2 (p85 beta)	-0.418455	Inlier
siRNA Disorazole DMSO Run1	NM_0050 27	PIK3R2	phosphoinositide-3-kinase, regulatory subunit 2 (p85 beta)	0.418455	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0050 27	PIK3R2	phosphoinositide-3-kinase, regulatory subunit 2 (p85 beta)	0.481013	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0050 27	PIK3R2	phosphoinositide-3-kinase, regulatory subunit 2 (p85 beta)	0.867987	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Name	Value	Outlier Status
siRNA Disorazole DMSO Run3	NM_0050	PIK3R2	phosphoinositide-3-kinase, regulatory subunit 2 (p85 beta)	1.490601	Inlier
siRNA Disorazole DMSO Run2	NM_0036	PIK3R3	phosphoinositide-3-kinase, regulatory subunit 3 (p55, gamma)	-1.352561	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0036	PIK3R3	phosphoinositide-3-kinase, regulatory subunit 3 (p55, gamma)	-1.236277	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0036	PIK3R3	phosphoinositide-3-kinase, regulatory subunit 3 (p55, gamma)	-0.474394	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0036	PIK3R3	phosphoinositide-3-kinase, regulatory subunit 3 (p55, gamma)	-0.248681	Inlier
siRNA Disorazole DMSO Run1	NM_0036	PIK3R3	phosphoinositide-3-kinase, regulatory subunit 3 (p55, gamma)	0.248681	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0036	PIK3R3	phosphoinositide-3-kinase, regulatory subunit 3 (p55, gamma)	0.297048	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0036 29	PIK3R3	phosphoinositide-3-kinase, regulatory subunit 3 (p55, gamma)	0.874606	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0036 29	PIK3R3	phosphoinositide-3-kinase, regulatory subunit 3 (p55, gamma)	0.905736	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0146 02	PIK3R4	phosphoinositide-3-kinase, regulatory subunit 4, p150	-1.507835	Inlier
siRNA Disorazole DMSO Run2	NM_0146 02	PIK3R4	phosphoinositide-3-kinase, regulatory subunit 4, p150	-0.298881	Inlier
siRNA Disorazole DMSO Run3	NM_0146 02	PIK3R4	phosphoinositide-3-kinase, regulatory subunit 4, p150	-0.133777	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0146 02	PIK3R4	phosphoinositide-3-kinase, regulatory subunit 4, p150	-0.000192	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0146 02	PIK3R4	phosphoinositide-3-kinase, regulatory subunit 4, p150	0.000192	Inlier
siRNA Disorazole DMSO Run1	NM_0146 02	PIK3R4	phosphoinositide-3-kinase, regulatory subunit 4, p150	1.050119	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_014602	PIK3R4	phosphoinositide-3-kinase, regulatory subunit 4, p150	1.176055	Inlier
siRNA-Vinblastine Run2-DMSO	NM_014602	PIK3R4	phosphoinositide-3-kinase, regulatory subunit 4, p150	1.214362	Inlier
siRNA-Temozolomide Run2-DMSO	NM_058004	PIK4CA	phosphatidylinositol 4-kinase, catalytic, alpha polypeptide	-1.513421	Inlier
siRNA-Temozolomide Run3-DMSO	NM_058004	PIK4CA	phosphatidylinositol 4-kinase, catalytic, alpha polypeptide	-0.90894	Inlier
siRNA-Temozolomide Run1-DMSO	NM_058004	PIK4CA	phosphatidylinositol 4-kinase, catalytic, alpha polypeptide	-0.44006	Inlier
siRNA-Vinblastine Run1-DMSO	NM_058004	PIK4CA	phosphatidylinositol 4-kinase, catalytic, alpha polypeptide	-0.254629	Inlier
siRNA Disorazole DMSO Run2	NM_058004	PIK4CA	phosphatidylinositol 4-kinase, catalytic, alpha polypeptide	0.254628	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0580 04	PIK4CA	phosphatidylinositol 4-kinase, catalytic, alpha polypeptide	0.290377	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0580 04	PIK4CA	phosphatidylinositol 4-kinase, catalytic, alpha polypeptide	1.088126	Inlier
siRNA Disorazole DMSO Run3	NM_0580 04	PIK4CA	phosphatidylinositol 4-kinase, catalytic, alpha polypeptide	3.176092	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0026 51	PIK4CB	phosphatidylinositol 4-kinase, catalytic, beta polypeptide	-1.197442	Inlier
siRNA Disorazole DMSO Run2	NM_0026 51	PIK4CB	phosphatidylinositol 4-kinase, catalytic, beta polypeptide	-1.008361	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0026 51	PIK4CB	phosphatidylinositol 4-kinase, catalytic, beta polypeptide	-0.349314	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0026 51	PIK4CB	phosphatidylinositol 4-kinase, catalytic, beta polypeptide	-0.226399	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0026 51	PIK4CB	phosphatidylinositol 4-kinase, catalytic, beta polypeptide	0.226399	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0026 51	PIK4CB	phosphatidylinositol 4-kinase, catalytic, beta polypeptide	0.594872	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0026 51	PIK4CB	phosphatidylinositol 4-kinase, catalytic, beta polypeptide	0.754128	Inlier
siRNA Disorazole DMSO Run3	NM_0026 51	PIK4CB	phosphatidylinositol 4-kinase, catalytic, beta polypeptide	1.061017	Inlier
siRNA Disorazole DMSO Run2	NM_0026 48	PIM1	pim-1 oncogene	-0.835775	Inlier
siRNA Disorazole DMSO Run3	NM_0026 48	PIM1	pim-1 oncogene	-0.64393	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0026 48	PIM1	pim-1 oncogene	-0.577268	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0026 48	PIM1	pim-1 oncogene	-0.306434	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0026 48	PIM1	pim-1 oncogene	0.306434	Inlier
siRNA Disorazole DMSO Run1	NM_0026 48	PIM1	pim-1 oncogene	0.70507	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0026 48	PIM1	pim-1 oncogene	1.134937	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0026 48	PIM1	pim-1 oncogene	1.290268	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0068 75	PIM2	pim-2 oncogene	-1.343486	Inlier
siRNA Disorazole DMSO Run3	NM_0068 75	PIM2	pim-2 oncogene	-0.500007	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0068 75	PIM2	pim-2 oncogene	-0.302002	Inlier
siRNA Disorazole DMSO Run2	NM_0068 75	PIM2	pim-2 oncogene	-0.208578	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Temozolomide Run1- DMSO	NM_0068 75	PIM2	pim-2 oncogene	0.208578	Inlier
siRNA Disorazole DMSO Run1	NM_0068 75	PIM2	pim-2 oncogene	0.848993	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0068 75	PIM2	pim-2 oncogene	2.226556	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0068 75	PIM2	pim-2 oncogene	2.24169	Inlier
			protein (peptidyl- prolyl cis/trans isomerase) NIMA- interacting		
siRNA Disorazole DMSO Run1	NM_0062 21	PIN1	1	-1.291753	Inlier
			protein (peptidyl- prolyl cis/trans isomerase) NIMA- interacting		
siRNA-Temozolomide Run3- DMSO	NM_0062 21	PIN1	1	-1.009475	Inlier
			protein (peptidyl- prolyl cis/trans isomerase) NIMA- interacting		
siRNA-Temozolomide Run2- DMSO	NM_0062 21	PIN1	1	-0.471246	Inlier
			protein (peptidyl- prolyl cis/trans isomerase) NIMA- interacting		
siRNA Disorazole DMSO Run3	NM_0062 21	PIN1	1	-0.44652	Inlier
			protein (peptidyl- prolyl cis/trans isomerase) NIMA- interacting		
siRNA-Vinblastine Run2- DMSO	NM_0062 21	PIN1	1	0.44652	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0062 21	PIN1	protein (peptidyl- prolyl cis/trans isomerase) NIMA- interacting 1	0.481797	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0062 21	PIN1	protein (peptidyl- prolyl cis/trans isomerase) NIMA- interacting 1	0.867203	Inlier
siRNA Disorazole DMSO Run2	NM_0062 21	PIN1	protein (peptidyl- prolyl cis/trans isomerase) NIMA- interacting 1	1.206132	Inlier
siRNA Disorazole DMSO Run3	NM_0062 22	PIN1L	protein (peptidyl- prolyl cis/trans isomerase) NIMA- interacting 1-like	-0.7249	Inlier
siRNA Disorazole DMSO Run1	NM_0062 22	PIN1L	protein (peptidyl- prolyl cis/trans isomerase) NIMA- interacting 1-like	-0.6241	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0062 22	PIN1L	protein (peptidyl- prolyl cis/trans isomerase) NIMA- interacting 1-like	-0.359346	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0062 22	PIN1L	protein (peptidyl- prolyl cis/trans isomerase) NIMA- interacting 1-like	-0.015586	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0062 22	PIN1L	protein (peptidyl- prolyl cis/trans isomerase) NIMA- interacting 1-like	0.015588	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0062 22	PIN1L	protein (peptidyl- prolyl cis/trans isomerase) NIMA- interacting 1-like	1.043261	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0062 22	PIN1L	protein (peptidyl- prolyl cis/trans isomerase) NIMA- interacting 1-like	1.964669	Inlier
siRNA Disorazole DMSO Run2	NM_0062 22	PIN1L	protein (peptidyl- prolyl cis/trans isomerase) NIMA- interacting 1-like	3.516331	Outlier
siRNA Disorazole DMSO Run3	NM_0062 23	PIN4	, 4 (parvulin)	-0.890448	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Condition	Run	Gene ID	Gene Name	Score	Outlier Status
siRNA Disorazole	DMSO	Run1	NM_006223	PIN4 protein (peptidyl-prolyl cis/trans isomerase)) NIMA-interacting , 4 (parvulin)	-0.514178	Inlier
siRNA-Vinblastine	Run2-DMSO		NM_006223	PIN4 protein (peptidyl-prolyl cis/trans isomerase)) NIMA-interacting , 4 (parvulin)	-0.33236	Inlier
siRNA-Vinblastine	Run1-DMSO		NM_006223	PIN4 protein (peptidyl-prolyl cis/trans isomerase)) NIMA-interacting , 4 (parvulin)	-0.313325	Inlier
siRNA-Temozolomide	Run1-DMSO		NM_006223	PIN4 protein (peptidyl-prolyl cis/trans isomerase)) NIMA-interacting , 4 (parvulin)	0.313325	Inlier
siRNA Disorazole	DMSO	Run2	NM_006223	PIN4 protein (parvulin)	0.834822	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_019061	PIP3AP	phosphatidylinositol-3-phosphate associated protein	-1.940643	Inlier
siRNA-Temozolomide Run2-DMSO	NM_019061	PIP3AP	phosphatidylinositol-3-phosphate associated protein	-0.922799	Inlier
siRNA-Vinblastine Run2-DMSO	NM_019061	PIP3AP	phosphatidylinositol-3-phosphate associated protein	-0.703321	Inlier
siRNA Disorazole DMSO Run1	NM_019061	PIP3AP	phosphatidylinositol-3-phosphate associated protein	-0.399976	Inlier
siRNA Disorazole DMSO Run2	NM_019061	PIP3AP	phosphatidylinositol-3-phosphate associated protein	0.399975	Inlier
siRNA-Vinblastine Run1-DMSO	NM_019061	PIP3AP	phosphatidylinositol-3-phosphate associated protein	0.570079	Inlier
siRNA-Temozolomide Run1-DMSO	NM_019061	PIP3AP	phosphatidylinositol-3-phosphate associated protein	0.645679	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0190 61	PIP3AP	phosphatidylinositol-3-phosphate associated protein	1.929016	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0035 57	PIP5K1A	phosphatidylinositol-4-phosphate 5-kinase, type I, alpha	-0.680947	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0035 57	PIP5K1A	phosphatidylinositol-4-phosphate 5-kinase, type I, alpha	-0.668053	Inlier
siRNA Disorazole DMSO Run1	NM_0035 57	PIP5K1A	phosphatidylinositol-4-phosphate 5-kinase, type I, alpha	-0.31224	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0035 57	PIP5K1A	phosphatidylinositol-4-phosphate 5-kinase, type I, alpha	-0.001464	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0035 57	PIP5K1A	phosphatidylinositol-4-phosphate 5-kinase, type I, alpha	0.001463	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0035 57	PIP5K1A	phosphatidylinositol-4-phosphate 5-kinase, type I, alpha	1.306757	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0035 57	PIP5K1A	phosphatidylinositol-4-phosphate 5-kinase, type I, alpha	1.600042	Inlier
siRNA Disorazole DMSO Run3	NM_0035 57	PIP5K1A	phosphatidylinositol-4-phosphate 5-kinase, type I, alpha	3.775115	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0035 58	PIP5K1B	phosphatidylinositol-4-phosphate 5-kinase, type I, beta	-2.659463	Inlier
siRNA Disorazole DMSO Run2	NM_0035 58	PIP5K1B	phosphatidylinositol-4-phosphate 5-kinase, type I, beta	-0.813428	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0035 58	PIP5K1B	phosphatidylinositol-4-phosphate 5-kinase, type I, beta	-0.535572	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0035 58	PIP5K1B	phosphatidylinositol-4-phosphate 5-kinase, type I, beta	-0.046486	Inlier
siRNA Disorazole DMSO Run1	NM_0035 58	PIP5K1B	phosphatidylinositol-4-phosphate 5-kinase, type I, beta	0.046484	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0035 58	PIP5K1B	phosphatidylinositol-4-phosphate 5-kinase, type I, beta	0.089273	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0035 58	PIP5K1B	phosphatidylinositol-4-phosphate 5-kinase, type I, beta	1.378545	Inlier
siRNA Disorazole DMSO Run3	NM_0035 58	PIP5K1B	phosphatidylinositol-4-phosphate 5-kinase, type I, beta	4.402153	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0123 98	PIP5K1C	phosphatidylinositol-4-phosphate 5-kinase, type I, gamma	-1.975585	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0123 98	PIP5K1C	phosphatidylinositol-4-phosphate 5-kinase, type I, gamma	-1.023835	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0123 98	PIP5K1C	phosphatidylinositol-4-phosphate 5-kinase, type I, gamma	-0.436468	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0123 98	PIP5K1C	phosphatidylinositol-4-phosphate 5-kinase, type I, gamma	-0.200136	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0123 98	PIP5K1C	phosphatidylinositol-4-phosphate 5-kinase, type I, gamma	0.200135	Inlier
siRNA Disorazole DMSO Run1	NM_0123 98	PIP5K1C	phosphatidylinositol-4-phosphate 5-kinase, type I, gamma	0.640281	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0123 98	PIP5K1C	phosphatidylinositol-4-phosphate 5-kinase, type I, gamma	0.708719	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0123 98	PIP5K1C	phosphatidylinositol-4-phosphate 5-kinase, type I, gamma	1.229578	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0050 28	PIP5K2A	phosphatidylinositol-4-phosphate 5-kinase, type II, alpha	-1.405082	Inlier
siRNA Disorazole DMSO Run2	NM_0050 28	PIP5K2A	phosphatidylinositol-4-phosphate 5-kinase, type II, alpha	-0.875302	Inlier
siRNA Disorazole DMSO Run1	NM_0050 28	PIP5K2A	phosphatidylinositol-4-phosphate 5-kinase, type II, alpha	-0.575533	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0050 28	PIP5K2A	phosphatidylinositol-4-phosphate 5-kinase, type II, alpha	-0.012011	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0050 28	PIP5K2A	phosphatidylinositol-4-phosphate 5-kinase, type II, alpha	0.012012	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0050 28	PIP5K2A	phosphatidylinositol-4-phosphate 5-kinase, type II, alpha	0.213129	Inlier
siRNA Disorazole DMSO Run3	NM_0050 28	PIP5K2A	phosphatidylinositol-4-phosphate 5-kinase, type II, alpha	0.773467	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0050 28	PIP5K2A	phosphatidylinositol-4-phosphate 5-kinase, type II, alpha	0.787389	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1386 87	PIP5K2B	phosphatidylinositol-4-phosphate 5-kinase, type II, beta	-1.097067	Inlier
siRNA Disorazole DMSO Run1	NM_1386 87	PIP5K2B	phosphatidylinositol-4-phosphate 5-kinase, type II, beta	-1.047664	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1386 87	PIP5K2B	phosphatidylinositol-4-phosphate 5-kinase, type II, beta	-0.581114	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_1386 87	PIP5K2B	phosphatidylinositol-4-phosphate 5-kinase, type II, beta	-0.017882	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1386 87	PIP5K2B	phosphatidylinositol-4-phosphate 5-kinase, type II, beta	0.017882	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1386 87	PIP5K2B	phosphatidylinositol-4-phosphate 5-kinase, type II, beta	0.054417	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1386 87	PIP5K2B	phosphatidylinositol-4-phosphate 5-kinase, type II, beta	0.767886	Inlier
siRNA Disorazole DMSO Run3	NM_1386 87	PIP5K2B	phosphatidylinositol-4-phosphate 5-kinase, type II, beta	3.833329	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0247 79	PIP5K2C	phosphatidylinositol-4-phosphate 5-kinase, type II, gamma	-1.649677	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0247 79	PIP5K2C	phosphatidylinositol-4-phosphate 5-kinase, type II, gamma	-1.094574	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0247 79	PIP5K2C	phosphatidylinositol-4-phosphate 5-kinase, type II, gamma	-0.51833	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0247 79	PIP5K2C	phosphatidylinositol-4-phosphate 5-kinase, type II, gamma	-0.180387	Inlier
siRNA Disorazole DMSO Run1	NM_0247 79	PIP5K2C	phosphatidylinositol-4-phosphate 5-kinase, type II, gamma	0.180387	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0247 79	PIP5K2C	phosphatidylinositol-4-phosphate 5-kinase, type II, gamma	0.636105	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0247 79	PIP5K2C	phosphatidylinositol-4-phosphate 5-kinase, type II, gamma	0.712895	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0247 79	PIP5K2C	phosphatidylinositol-4-phosphate 5-kinase, type II, gamma	1.293741	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1734 92	PIP5KL1	phosphatidylinositol-4-phosphate 5-kinase-like 1	-2.392415	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1734 92	PIP5KL1	phosphatidylinositol-4-phosphate 5-kinase-like 1	-0.8587	Inlier
siRNA Disorazole DMSO Run2	NM_1734 92	PIP5KL1	phosphatidylinositol-4-phosphate 5-kinase-like 1	-0.751115	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1734 92	PIP5KL1	phosphatidylinositol-4-phosphate 5-kinase-like 1	-0.189872	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1734 92	PIP5KL1	phosphatidylinositol-4-phosphate 5-kinase-like 1	0.189872	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1734 92	PIP5KL1	phosphatidylinositol-4-phosphate 5-kinase-like 1	0.334518	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1734 92	PIP5KL1	phosphatidylinositol-4-phosphate 5-kinase-like 1	0.597885	Inlier
siRNA Disorazole DMSO Run3	NM_1734 92	PIP5KL1	phosphatidylinositol-4-phosphate 5-kinase-like 1	0.757043	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0143 38	PISD	phosphatidylserine decarboxylase	-1.731169	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0143 38	PISD	phosphatidylserine decarboxylase	-0.969199	Inlier
siRNA Disorazole DMSO Run3	NM_0143 38	PISD	phosphatidylserine decarboxylase	-0.379801	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0143 38	PISD	phosphatidylserine decarboxylase	-0.010924	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0143 38	PISD	phosphatidylserine decarboxylase	0.010924	Inlier
siRNA Disorazole DMSO Run1	NM_0143 38	PISD	phosphatidylserine decarboxylase	0.218762	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0143 38	PISD	phosphatidylserine decarboxylase	2.223901	Inlier
siRNA Disorazole DMSO Run2	NM_0143 38	PISD	phosphatidylserine decarboxylase	2.280231	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0062 24	PITPNA	phosphatidylinositol transfer protein, alpha	-1.223711	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0062 24	PITPNA	phosphatidylinositol transfer protein, alpha	-0.623195	Inlier
siRNA Disorazole DMSO Run1	NM_0062 24	PITPNA	phosphatidylinositol transfer protein, alpha	-0.490029	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0062 24	PITPNA	phosphatidylinositol transfer protein, alpha	-0.267746	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0062 24	PITPNA	phosphatidylinositol transfer protein, alpha	0.267746	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0062 24	PITPNA	phosphatidylinositol transfer protein, alpha	0.725805	Inlier
siRNA Disorazole DMSO Run3	NM_0062 24	PITPNA	phosphatidylinositol transfer protein, alpha	1.990006	Inlier
siRNA Disorazole DMSO Run2	NM_0062 24	PITPNA	phosphatidylinositol transfer protein, alpha	2.563045	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0123 99	PITPNB	phosphatidylinositol transfer protein, beta	-1.059113	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0123 99	PITPNB	phosphatidylinositol transfer protein, beta	-0.467141	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0123 99	PITPNB	phosphatidylinositol transfer protein, beta	-0.225704	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0123 99	PITPNB	phosphati dylinositol transfer protein, beta	-0.071252	Inlier
siRNA Disorazole DMSO Run2	NM_0123 99	PITPNB	phosphati dylinositol transfer protein, beta	0.071252	Inlier
siRNA Disorazole DMSO Run1	NM_0123 99	PITPNB	phosphati dylinositol transfer protein, beta	0.881859	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0123 99	PITPNB	phosphati dylinositol transfer protein, beta	1.655835	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0123 99	PITPNB	phosphati dylinositol transfer protein, beta	1.917858	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0049 10	PITPNM1	phosphati dylinositol transfer protein, membrane- associated	1	-1.381674 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0049 10	PITPNM1	phosphati dylinositol transfer protein, membrane- associated	1	-0.678759 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0049 10	PITPNM1	phosphati dylinositol transfer protein, membrane- associated	1	-0.670241 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0049 10	PITPNM1	1	phosphatidylinositol transfer protein, membrane-associated	-0.163809	Inlier
siRNA Disorazole DMSO Run3	NM_0049 10	PITPNM1	1	phosphatidylinositol transfer protein, membrane-associated	0.163809	Inlier
siRNA Disorazole DMSO Run1	NM_0049 10	PITPNM1	1	phosphatidylinositol transfer protein, membrane-associated	0.288062	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0049 10	PITPNM1	1	phosphatidylinositol transfer protein, membrane-associated	1.382555	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0049 10	PITPNM1	1	phosphatidylinositol transfer protein, membrane-associated	1.663936	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0149 68	PITRM1	1	pitrilysin metalloproteinase 1	-0.865823	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0149 68	PITRM1	1	pitrilysin metalloproteinase 1	-0.483177	Inlier
siRNA Disorazole DMSO Run1	NM_0149 68	PITRM1	1	pitrilysin metalloproteinase 1	-0.11288	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0149 68	PITRM1	pitrilysin metallopro teinase 1	-0.019588	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0149 68	PITRM1	pitrilysin metallopro teinase 1	0.019588	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0149 68	PITRM1	pitrilysin metallopro teinase 1	0.920037	Inlier
siRNA Disorazole DMSO Run3	NM_0149 68	PITRM1	pitrilysin metallopro teinase 1	1.036896	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0149 68	PITRM1	pitrilysin metallopro teinase 1	1.270064	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0528 92	PKD1L2	polycystic kidney disease 1- like 2	-4.092137	Outlier
siRNA Disorazole DMSO Run1	NM_0528 92	PKD1L2	polycystic kidney disease 1- like 2	-1.990268	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0528 92	PKD1L2	polycystic kidney disease 1- like 2	-0.278998	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0528 92	PKD1L2	polycystic kidney disease 1- like 2	-0.216766	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0528 92	PKD1L2	polycystic kidney disease 1- like 2	0.216767	Inlier
siRNA Disorazole DMSO Run3	NM_0528 92	PKD1L2	polycystic kidney disease 1- like 2	0.622594	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0528 92	PKD1L2	polycystic kidney disease 1- like 2	0.726406	Inlier
siRNA Disorazole DMSO Run2	NM_0528 92	PKD1L2	polycystic kidney disease 1- like 2	3.147828	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	PKD	Disease	Value	Category
siRNA-Temozolomide Run3-DMSO	NM_181536	PKD1L3	polycystic kidney disease 1-like 3	-0.74707	Inlier
siRNA-Temozolomide Run2-DMSO	NM_181536	PKD1L3	polycystic kidney disease 1-like 3	-0.60193	Inlier
siRNA Disorazole DMSO Run2	NM_181536	PKD1L3	polycystic kidney disease 1-like 3	-0.115377	Inlier
siRNA Disorazole DMSO Run3	NM_181536	PKD1L3	polycystic kidney disease 1-like 3	-0.082293	Inlier
siRNA-Temozolomide Run1-DMSO	NM_181536	PKD1L3	polycystic kidney disease 1-like 3	0.082293	Inlier
siRNA Disorazole DMSO Run1	NM_181536	PKD1L3	polycystic kidney disease 1-like 3	1.118594	Inlier
siRNA-Vinblastine Run2-DMSO	NM_181536	PKD1L3	polycystic kidney disease 1-like 3	3.162598	Inlier
siRNA-Vinblastine Run1-DMSO	NM_181536	PKD1L3	polycystic kidney disease 1-like 3	3.5267	Outlier
siRNA-Temozolomide Run3-DMSO	NM_000297	PKD2	polycystic kidney disease 2 (autosomal dominant)	-5.066564	Outlier
siRNA Disorazole DMSO Run3	NM_000297	PKD2	polycystic kidney disease 2 (autosomal dominant)	-2.490861	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000297	PKD2	polycystic kidney disease 2 (autosomal dominant)	-0.795681	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0002 97	PKD2	polycystic kidney disease 2 (autosoma l dominant)	-0.040431	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0002 97	PKD2	polycystic kidney disease 2 (autosoma l dominant)	0.040431	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0002 97	PKD2	polycystic kidney disease 2 (autosoma l dominant)	0.506803	Inlier
siRNA Disorazole DMSO Run2	NM_0002 97	PKD2	polycystic kidney disease 2 (autosoma l dominant)	0.553319	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0002 97	PKD2	polycystic kidney disease 2- like 1	1.977405	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0161 12	PKD2L1	polycystic kidney disease 2- like 1	-2.303982	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0161 12	PKD2L1	polycystic kidney disease 2- like 1	-0.720364	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0161 12	PKD2L1	polycystic kidney disease 2- like 1	-0.628636	Inlier
siRNA Disorazole DMSO Run1	NM_0161 12	PKD2L1	polycystic kidney disease 2- like 1	-0.065929	Inlier
siRNA Disorazole DMSO Run3	NM_0161 12	PKD2L1	polycystic kidney disease 2- like 1	0.065929	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Disease	Value	Outlier Status
siRNA-Vinblastine Run2-DMSO	NM_016112	PKD2L1	polycystic kidney disease 2-like 1	0.588753	Inlier
siRNA-Vinblastine Run1-DMSO	NM_016112	PKD2L1	polycystic kidney disease 2-like 1	0.765017	Inlier
siRNA Disorazole DMSO Run2	NM_016112	PKD2L1	polycystic kidney disease 2-like 1	1.403243	Inlier
siRNA Disorazole DMSO Run3	NM_014386	PKD2L2	polycystic kidney disease 2-like 2	-2.773445	Inlier
siRNA-Temozolomide Run3-DMSO	NM_014386	PKD2L2	polycystic kidney disease 2-like 2	-0.993715	Inlier
siRNA Disorazole DMSO Run1	NM_014386	PKD2L2	polycystic kidney disease 2-like 2	-0.989555	Inlier
siRNA-Temozolomide Run2-DMSO	NM_014386	PKD2L2	polycystic kidney disease 2-like 2	-0.154317	Inlier
siRNA-Vinblastine Run2-DMSO	NM_014386	PKD2L2	polycystic kidney disease 2-like 2	0.154317	Inlier
siRNA-Temozolomide Run1-DMSO	NM_014386	PKD2L2	polycystic kidney disease 2-like 2	0.197664	Inlier
siRNA-Vinblastine Run1-DMSO	NM_014386	PKD2L2	polycystic kidney disease 2-like 2	0.359445	Inlier
siRNA Disorazole DMSO Run2	NM_014386	PKD2L2	polycystic kidney disease 2-like 2	1.280495	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_006071	PKDREJ	polycystic kidney disease (polycystin) and REJ (sperm receptor for egg jelly homolog, sea urchin)-like	-1.187506	Inlier
siRNA Disorazole DMSO Run3	NM_006071	PKDREJ	polycystic kidney disease (polycystin) and REJ (sperm receptor for egg jelly homolog, sea urchin)-like	-0.782141	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006071	PKDREJ	polycystic kidney disease (polycystin) and REJ (sperm receptor for egg jelly homolog, sea urchin)-like	-0.67973	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0060 71	PKDREJ	polycystic kidney disease (polycystin) and REJ (sperm receptor for egg jelly homolog, sea urchin)-like	-0.279606	Inlier
siRNA Disorazole DMSO Run2	NM_0060 71	PKDREJ	polycystic kidney disease (polycystin) and REJ (sperm receptor for egg jelly homolog, sea urchin)-like	0.279606	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0060 71	PKDREJ	polycystic kidney disease (polycystin) and REJ (sperm receptor for egg jelly homolog, sea urchin)-like	0.518299	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_006071	PKDREJ	polycystic kidney disease (polycystin) and REJ (sperm receptor for egg jelly homolog, sea urchin)-like	0.66927	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006071	PKDREJ	polycystic kidney disease (polycystin) and REJ (sperm receptor for egg jelly homolog, sea urchin)-like	0.88419	Inlier
siRNA-Temozolomide Run3-DMSO	NM_181839	PKIA	protein kinase (cAMP-dependent , catalytic) inhibitor alpha	-1.384601	Inlier
siRNA-Temozolomide Run1-DMSO	NM_181839	PKIA	protein kinase (cAMP-dependent , catalytic) inhibitor alpha	-0.591607	Inlier
siRNA-Vinblastine Run1-DMSO	NM_181839	PKIA	protein kinase (cAMP-dependent , catalytic) inhibitor alpha	-0.270556	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_1818 39	PKIA	protein kinase (cAMP-dependent , catalytic) inhibitor alpha	-0.09105	Inlier
siRNA Disorazole DMSO Run2	NM_1818 39	PKIA	protein kinase (cAMP-dependent , catalytic) inhibitor alpha	0.091049	Inlier
siRNA Disorazole DMSO Run1	NM_1818 39	PKIA	protein kinase (cAMP-dependent , catalytic) inhibitor alpha	0.757393	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1818 39	PKIA	protein kinase (cAMP-dependent , catalytic) inhibitor alpha	1.989261	Inlier
siRNA Disorazole DMSO Run3	NM_1818 39	PKIA	protein kinase (cAMP-dependent , catalytic) inhibitor alpha	4.778259	Outlier
siRNA-Temozolomide Run3-DMSO	NM_1817 94	PKIB	protein kinase (cAMP-dependent , catalytic) inhibitor beta	-1.53367	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_1817 94	PKIB	protein kinase (cAMP- dependent , catalytic) inhibitor beta	-1.294341	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1817 94	PKIB	protein kinase (cAMP- dependent , catalytic) inhibitor beta	-0.657143	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1817 94	PKIB	protein kinase (cAMP- dependent , catalytic) inhibitor beta	-0.109775	Inlier
siRNA Disorazole DMSO Run3	NM_1817 94	PKIB	protein kinase (cAMP- dependent , catalytic) inhibitor beta	0.109775	Inlier
siRNA Disorazole DMSO Run1	NM_1817 94	PKIB	protein kinase (cAMP- dependent , catalytic) inhibitor beta	0.413662	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1817 94	PKIB	protein kinase (cAMP- dependent , catalytic) inhibitor beta	0.691857	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_181794	PKIB	protein kinase (cAMP-dependent , catalytic) inhibitor beta	0.853103	Inlier
siRNA-Temozolomide Run3-DMSO	NM_181805	PKIG	protein kinase (cAMP-dependent , catalytic) inhibitor gamma	-0.679191	Inlier
siRNA-Temozolomide Run1-DMSO	NM_181805	PKIG	protein kinase (cAMP-dependent , catalytic) inhibitor gamma	-0.669809	Inlier
siRNA Disorazole DMSO Run2	NM_181805	PKIG	protein kinase (cAMP-dependent , catalytic) inhibitor gamma	-0.575146	Inlier
siRNA-Temozolomide Run2-DMSO	NM_181805	PKIG	protein kinase (cAMP-dependent , catalytic) inhibitor gamma	-0.204347	Inlier
siRNA Disorazole DMSO Run3	NM_181805	PKIG	protein kinase (cAMP-dependent , catalytic) inhibitor gamma	0.204347	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1818 05	PKIG	protein kinase (cAMP-dependent, catalytic) inhibitor gamma	0.952457	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1818 05	PKIG	protein kinase (cAMP-dependent, catalytic) inhibitor gamma	1.389804	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1818 05	PKIG	protein kinase (cAMP-dependent, catalytic) inhibitor gamma	2.11809	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1818 71	PKLR	pyruvate kinase, liver and RBC	-3.114451	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1818 71	PKLR	pyruvate kinase, liver and RBC	-0.53821	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1818 71	PKLR	pyruvate kinase, liver and RBC	-0.403412	Inlier
siRNA Disorazole DMSO Run2	NM_1818 71	PKLR	pyruvate kinase, liver and RBC	-0.377916	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1818 71	PKLR	pyruvate kinase, liver and RBC	0.377916	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1818 71	PKLR	pyruvate kinase, liver and RBC	0.81079	Inlier
siRNA Disorazole DMSO Run1	NM_1818 71	PKLR	pyruvate kinase, liver and RBC	1.094187	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_1818 71	PKLR	pyruvate kinase, liver and RBC	2.370074	Inlier
siRNA Disorazole DMSO Run1	NM_1824 70	PKM2	pyruvate kinase, muscle	-3.089754	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1824 70	PKM2	pyruvate kinase, muscle	-0.355316	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1824 70	PKM2	pyruvate kinase, muscle	-0.331885	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1824 70	PKM2	pyruvate kinase, muscle	-0.22352	Inlier
siRNA Disorazole DMSO Run2	NM_1824 70	PKM2	pyruvate kinase, muscle	0.22352	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1824 70	PKM2	pyruvate kinase, muscle	0.993684	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1824 70	PKM2	pyruvate kinase, muscle	1.95939	Inlier
siRNA Disorazole DMSO Run3	NM_1824 70	PKM2	pyruvate kinase, muscle	4.320032	Outlier
siRNA-Temozolomide Run3- DMSO	NM_0042 03	PKMYT1	protein kinase, membrane associated tyrosine/th reonine 1	-0.747902	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0042 03	PKMYT1	protein kinase, membrane associated tyrosine/th reonine 1	-0.601098	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0042 03	PKMYT1	protein kinase, membrane associated tyrosine/th reonine 1	-0.224872	Inlier
siRNA Disorazole DMSO Run3	NM_0042 03	PKMYT1	protein kinase, membrane associated tyrosine/th reonine 1	-0.122488	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0042 03	PKMYT1	protein kinase, membrane associated tyrosine/th reonine 1	0.122488	Inlier
siRNA Disorazole DMSO Run1	NM_0042 03	PKMYT1	protein kinase, membrane associated tyrosine/th reonine 1	1.70326	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0042 03	PKMYT1	protein kinase, membrane associated tyrosine/th reonine 1	1.867883	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_004203	PKMYT1	protein kinase, membrane associated tyrosine/threonine 1	2.087764	Inlier
siRNA-Temozolomide Run3-DMSO	NM_213560	PKN1	protein kinase N1	-1.08792	Inlier
siRNA-Temozolomide Run1-DMSO	NM_213560	PKN1	protein kinase N1	-0.693961	Inlier
siRNA Disorazole DMSO Run3	NM_213560	PKN1	protein kinase N1	-0.557803	Inlier
siRNA-Temozolomide Run2-DMSO	NM_213560	PKN1	protein kinase N1	-0.49751	Inlier
siRNA Disorazole DMSO Run2	NM_213560	PKN1	protein kinase N1	0.49751	Inlier
siRNA Disorazole DMSO Run1	NM_213560	PKN1	protein kinase N1	0.655039	Inlier
siRNA-Vinblastine Run1-DMSO	NM_213560	PKN1	protein kinase N1	0.923597	Inlier
siRNA-Vinblastine Run2-DMSO	NM_213560	PKN1	protein kinase N1	1.281697	Inlier
siRNA Disorazole DMSO Run3	NM_006256	PKN2	protein kinase N2	-1.03928	Inlier
siRNA Disorazole DMSO Run2	NM_006256	PKN2	protein kinase N2	-0.775773	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006256	PKN2	protein kinase N2	-0.029063	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006256	PKN2	protein kinase N2	-0.005436	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006256	PKN2	protein kinase N2	0.005435	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006256	PKN2	protein kinase N2	0.667637	Inlier
siRNA Disorazole DMSO Run1	NM_006256	PKN2	protein kinase N2	0.681363	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006256	PKN2	protein kinase N2	1.523689	Inlier
siRNA-Temozolomide Run3-DMSO	NM_013355	PKN3	protein kinase N3	-2.492945	Inlier
siRNA-Temozolomide Run2-DMSO	NM_013355	PKN3	protein kinase N3	-1.183891	Inlier
siRNA Disorazole DMSO Run3	NM_013355	PKN3	protein kinase N3	-0.116435	Inlier
siRNA-Temozolomide Run1-DMSO	NM_013355	PKN3	protein kinase N3	-0.026171	Inlier
siRNA Disorazole DMSO Run2	NM_013355	PKN3	protein kinase N3	0.026171	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_0133		protein		
siRNA Disorazole DMSO Run1	55	PKN3	kinase N3	0.230752	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0133		protein		
siRNA-Vinblastine Run2-DMSO	55	PKN3	kinase N3	1.118248	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0133		protein		
siRNA-Vinblastine Run2-DMSO	55	PKN3	kinase N3	1.613207	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0159		phospholipase A1		
siRNA-Temozolomide Run3-DMSO	00	PLA1A	member A	-0.847245	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0159		phospholipase A1		
siRNA-Temozolomide Run2-DMSO	00	PLA1A	member A	-0.705588	Inlier
siRNA Disorazole DMSO Run3	NM_0159		phospholipase A1		
siRNA Disorazole DMSO Run3	00	PLA1A	member A	-0.643412	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0159		phospholipase A1		
siRNA-Vinblastine Run2-DMSO	00	PLA1A	member A	-0.329446	Inlier
siRNA Disorazole DMSO Run1	NM_0159		phospholipase A1		
siRNA Disorazole DMSO Run1	00	PLA1A	member A	0.329446	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0159		phospholipase A1		
siRNA-Temozolomide Run1-DMSO	00	PLA1A	member A	0.475286	Inlier
siRNA Disorazole DMSO Run2	NM_0159		phospholipase A1		
siRNA Disorazole DMSO Run2	00	PLA1A	member A	2.132476	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0159		phospholipase A1		
siRNA-Vinblastine Run1-DMSO	00	PLA1A	member A	2.231793	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0035		phospholipase A2, group X		
siRNA-Temozolomide Run3-DMSO	61	PLA2G10	phospholipase A2, group X	-1.098996	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0035		phospholipase A2, group X		
siRNA-Temozolomide Run2-DMSO	61	PLA2G10	phospholipase A2, group X	-0.548127	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0035		phospholipase A2, group X		
siRNA-Vinblastine Run2-DMSO	61	PLA2G10	phospholipase A2, group X	-0.101643	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0035		phospholipase A2, group X		
siRNA-Temozolomide Run1-DMSO	61	PLA2G10	phospholipase A2, group X	-0.061988	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

	NM_0035		phospholipase A2, group X	
siRNA Disorazole DMSO Run3	61	PLA2G10		0.061988 Inlier
	NM_0035		phospholipase A2, group X	
siRNA-Vinblastine Run1-DMSO	61	PLA2G10		0.800873 Inlier
	NM_0035		phospholipase A2, group X	
siRNA Disorazole DMSO Run1	61	PLA2G10		0.864782 Inlier
	NM_0035		phospholipase A2, group X	
siRNA Disorazole DMSO Run2	61	PLA2G10		1.196581 Inlier
	NM_0308		phospholipase A2, group XIIA	
siRNA-Temozolomide Run3-DMSO	21	A		-1.915553 Inlier
	NM_0308		phospholipase A2, group XIIA	
siRNA-Temozolomide Run1-DMSO	21	A		-0.526744 Inlier
	NM_0308		phospholipase A2, group XIIA	
siRNA Disorazole DMSO Run3	21	A		-0.494922 Inlier
	NM_0308		phospholipase A2, group XIIA	
siRNA-Temozolomide Run2-DMSO	21	A		-0.054965 Inlier
	NM_0308		phospholipase A2, group XIIA	
siRNA-Vinblastine Run2-DMSO	21	A		0.054966 Inlier
	NM_0308		phospholipase A2, group XIIA	
siRNA-Vinblastine Run1-DMSO	21	A		0.822256 Inlier
	NM_0308		phospholipase A2, group XIIA	
siRNA Disorazole DMSO Run1	21	A		1.382827 Inlier
	NM_0308		phospholipase A2, group XIIA	
siRNA Disorazole DMSO Run2	21	A		2.067751 Inlier
	NM_0325		phospholipase A2, group XIIB	
siRNA-Temozolomide Run3-DMSO	62	B		-0.67903 Inlier
	NM_0325		phospholipase A2, group XIIB	
siRNA Disorazole DMSO Run3	62	B		-0.672257 Inlier
	NM_0325		phospholipase A2, group XIIB	
siRNA-Vinblastine Run2-DMSO	62	B		-0.426332 Inlier
	NM_0325		phospholipase A2, group XIIB	
siRNA-Temozolomide Run2-DMSO	62	B		-0.209013 Inlier
	NM_0325		phospholipase A2, group XIIB	
siRNA Disorazole DMSO Run1	62	B		0.209013 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0325 62	PLA2G12 B	phospholip ase A2, group XIIB	0.676743	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0325 62	PLA2G12 B	phospholip ase A2, group XIIB	1.357647	Inlier
siRNA Disorazole DMSO Run2	NM_0325 62	PLA2G12 B	phospholip ase A2, group XIIB	1.596011	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0009 28	PLA2G1B	phospholip ase A2, group IB (pancreas)	-1.189816	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0009 28	PLA2G1B	phospholip ase A2, group IB (pancreas)	-1.001342	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0009 28	PLA2G1B	phospholip ase A2, group IB (pancreas)	-0.406843	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0009 28	PLA2G1B	phospholip ase A2, group IB (pancreas)	-0.030728	Inlier
siRNA Disorazole DMSO Run3	NM_0009 28	PLA2G1B	phospholip ase A2, group IB (pancreas)	0.030727	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0009 28	PLA2G1B	phospholip ase A2, group IB (pancreas)	0.669153	Inlier
siRNA Disorazole DMSO Run1	NM_0009 28	PLA2G1B	phospholip ase A2, group IB (pancreas)	0.679847	Inlier
siRNA Disorazole DMSO Run2	NM_0009 28	PLA2G1B	phospholip ase A2, group IB (pancreas)	0.985194	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log2 Fold Change	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_000300	PLA2G2A	phospholipase A2, group IIA (platelets, synovial fluid)	-1.167045	Inlier
siRNA Disorazole DMSO Run1	NM_000300	PLA2G2A	phospholipase A2, group IIA (platelets, synovial fluid)	-1.104211	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000300	PLA2G2A	phospholipase A2, group IIA (platelets, synovial fluid)	-0.611514	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000300	PLA2G2A	phospholipase A2, group IIA (platelets, synovial fluid)	-0.030471	Inlier
siRNA Disorazole DMSO Run3	NM_000300	PLA2G2A	phospholipase A2, group IIA (platelets, synovial fluid)	0.030472	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000300	PLA2G2A	phospholipase A2, group IIA (platelets, synovial fluid)	0.297186	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000300	PLA2G2A	phospholipase A2, group IIA (platelets, synovial fluid)	0.737486	Inlier
siRNA Disorazole DMSO Run2	NM_000300	PLA2G2A	phospholipase A2, group IIA (platelets, synovial fluid)	1.622475	Inlier
siRNA-Temozolomide Run3-DMSO	NM_012400	PLA2G2D	phospholipase A2, group IID	-1.508293	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Condition	Gene ID	Probe	Gene Name	Value	Category
Molecular Pharmacology siRNA-Vinblastine Run2- DMSO	NM_0124 00	PLA2G2D	phospholip ase A2, group IID	-0.362568	Inlier
siRNA Disorazole DMSO Run1	NM_0124 00	PLA2G2D	phospholip ase A2, group IID	-0.323037	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0124 00	PLA2G2D	phospholip ase A2, group IID	-0.137935	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0124 00	PLA2G2D	phospholip ase A2, group IID	0.137935	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0124 00	PLA2G2D	phospholip ase A2, group IID	0.986432	Inlier
siRNA Disorazole DMSO Run3	NM_0124 00	PLA2G2D	phospholip ase A2, group IID	0.99297	Inlier
siRNA Disorazole DMSO Run2	NM_0124 00	PLA2G2D	phospholip ase A2, group IID	1.560479	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0145 89	PLA2G2E	phospholip ase A2, group IIE	-2.286969	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0145 89	PLA2G2E	phospholip ase A2, group IIE	-0.712729	Inlier
siRNA Disorazole DMSO Run1	NM_0145 89	PLA2G2E	phospholip ase A2, group IIE	-0.224699	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0145 89	PLA2G2E	phospholip ase A2, group IIE	-0.140071	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0145 89	PLA2G2E	phospholip ase A2, group IIE	0.140065	Inlier
siRNA Disorazole DMSO Run3	NM_0145 89	PLA2G2E	phospholip ase A2, group IIE	0.636271	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0145 89	PLA2G2E	phospholip ase A2, group IIE	2.108126	Inlier
siRNA Disorazole DMSO Run2	NM_0145 89	PLA2G2E	phospholip ase A2, group IIE	10.20913	Outlier
siRNA-Temozolomide Run3- DMSO	NM_0228 19	PLA2G2F	phospholip ase A2, group IIF	-2.72725	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0228 19	PLA2G2F	phospholip ase A2, group IIF	-0.919569	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0228 19	PLA2G2F	phospholipase A2, group IIF	-0.429431	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0228 19	PLA2G2F	phospholipase A2, group IIF	-0.371294	Inlier
siRNA Disorazole DMSO Run1	NM_0228 19	PLA2G2F	phospholipase A2, group IIF	0.371295	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0228 19	PLA2G2F	phospholipase A2, group IIF	0.378696	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0228 19	PLA2G2F	phospholipase A2, group IIF	1.31323	Inlier
siRNA Disorazole DMSO Run2	NM_0228 19	PLA2G2F	phospholipase A2, group IIF	2.251722	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0157 15	PLA2G3	phospholipase A2, group III	-1.831136	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0157 15	PLA2G3	phospholipase A2, group III	-0.775063	Inlier
siRNA Disorazole DMSO Run3	NM_0157 15	PLA2G3	phospholipase A2, group III	-0.573937	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0157 15	PLA2G3	phospholipase A2, group III	-0.026314	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0157 15	PLA2G3	phospholipase A2, group III	0.026314	Inlier
siRNA Disorazole DMSO Run1	NM_0157 15	PLA2G3	phospholipase A2, group III	0.047806	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0157 15	PLA2G3	phospholipase A2, group III	1.044857	Inlier
siRNA Disorazole DMSO Run2	NM_0157 15	PLA2G3	phospholipase A2, group III	1.821141	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0244 20	PLA2G4A	phospholipase A2, group IVA (cytosolic, calcium-dependent)	-1.364264	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0244 20	PLA2G4A	)	phospholipase A2, group IVA (cytosolic, calcium-dependent)	-0.716693	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0244 20	PLA2G4A	)	phospholipase A2, group IVA (cytosolic, calcium-dependent)	-0.632307	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0244 20	PLA2G4A	)	phospholipase A2, group IVA (cytosolic, calcium-dependent)	-0.002659	Inlier
siRNA Disorazole DMSO Run1	NM_0244 20	PLA2G4A	)	phospholipase A2, group IVA (cytosolic, calcium-dependent)	0.002658	Inlier
siRNA Disorazole DMSO Run3	NM_0244 20	PLA2G4A	)	phospholipase A2, group IVA (cytosolic, calcium-dependent)	0.304971	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0244 20	PLA2G4A	)	phospholipase A2, group IVA (cytosolic, calcium-dependent)	2.160748	Inlier
siRNA Disorazole DMSO Run2	NM_0244 20	PLA2G4A	)	phospholipase A2, group IVA (cytosolic, calcium-dependent)	3.007692	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_005090	PLA2G4B	phospholipase A2, group IVB (cytosolic)	-0.951994	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005090	PLA2G4B	phospholipase A2, group IVB (cytosolic)	-0.397006	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005090	PLA2G4B	phospholipase A2, group IVB (cytosolic)	-0.345935	Inlier
siRNA Disorazole DMSO Run3	NM_005090	PLA2G4B	phospholipase A2, group IVB (cytosolic)	-0.252179	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005090	PLA2G4B	phospholipase A2, group IVB (cytosolic)	0.252179	Inlier
siRNA Disorazole DMSO Run1	NM_005090	PLA2G4B	phospholipase A2, group IVB (cytosolic)	0.983215	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005090	PLA2G4B	phospholipase A2, group IVB (cytosolic)	1.643384	Inlier
siRNA Disorazole DMSO Run2	NM_005090	PLA2G4B	phospholipase A2, group IVB (cytosolic)	1.705805	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003706	PLA2G4C	phospholipase A2, group IVC (cytosolic, calcium-independent)	-1.023935	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Target	Gene Description	Value	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_003706	PLA2G4C	phospholipase A2, group IVC (cytosolic, calcium-independent)	-0.831577	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003706	PLA2G4C	phospholipase A2, group IVC (cytosolic, calcium-independent)	-0.436463	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003706	PLA2G4C	phospholipase A2, group IVC (cytosolic, calcium-independent)	-0.172121	Inlier
siRNA Disorazole DMSO Run3	NM_003706	PLA2G4C	phospholipase A2, group IVC (cytosolic, calcium-independent)	0.17212	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003706	PLA2G4C	phospholipase A2, group IVC (cytosolic, calcium-independent)	0.517423	Inlier
siRNA Disorazole DMSO Run2	NM_003706	PLA2G4C	phospholipase A2, group IVC (cytosolic, calcium-independent)	1.152553	Inlier
siRNA Disorazole DMSO Run1	NM_003706	PLA2G4C	phospholipase A2, group IVC (cytosolic, calcium-independent)	1.979278	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_1780 34	PLA2G4D	phospholipase A2, group IVD (cytosolic)	-1.308179	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1780 34	PLA2G4D	phospholipase A2, group IVD (cytosolic)	-0.71743	Inlier
siRNA Disorazole DMSO Run3	NM_1780 34	PLA2G4D	phospholipase A2, group IVD (cytosolic)	-0.178418	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1780 34	PLA2G4D	phospholipase A2, group IVD (cytosolic)	-0.028992	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1780 34	PLA2G4D	phospholipase A2, group IVD (cytosolic)	0.028992	Inlier
siRNA Disorazole DMSO Run1	NM_1780 34	PLA2G4D	phospholipase A2, group IVD (cytosolic)	0.637463	Inlier
siRNA Disorazole DMSO Run2	NM_1780 34	PLA2G4D	phospholipase A2, group IVD (cytosolic)	0.711537	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1780 34	PLA2G4D	phospholipase A2, group IVD (cytosolic)	0.795752	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0009 29	PLA2G5	phospholipase A2, group V	-4.616567	Outlier
siRNA Disorazole DMSO Run3	NM_0009 29	PLA2G5	phospholipase A2, group V	-0.890652	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0009 29	PLA2G5	phospholipase A2, group V	-0.458348	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0009 29	PLA2G5	phospholipase A2, group V	-0.036939	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0009 29	PLA2G5	phospholipase A2, group V	0.036939	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0009 29	PLA2G5	phospholipase A2, group V	0.102662	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0009 29	PLA2G5	phospholipase A2, group V	4.43181	Outlier
siRNA Disorazole DMSO Run2	NM_0009 29	PLA2G5	phospholipase A2, group V	5.804195	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0035 60	PLA2G6	phospholipase A2, group VI (cytosolic, calcium-independent)	-1.499751	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0035 60	PLA2G6	phospholipase A2, group VI (cytosolic, calcium-independent)	-1.0492	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0035 60	PLA2G6	phospholipase A2, group VI (cytosolic, calcium-independent)	-0.528536	Inlier
siRNA Disorazole DMSO Run3	NM_0035 60	PLA2G6	phospholipase A2, group VI (cytosolic, calcium-independent)	-0.040836	Inlier
siRNA Disorazole DMSO Run1	NM_0035 60	PLA2G6	phospholipase A2, group VI (cytosolic, calcium-independent)	0.040836	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0035 60	PLA2G6	phospholipase A2, group VI (cytosolic, calcium-independent)	0.111199	Inlier
siRNA Disorazole DMSO Run2	NM_0035 60	PLA2G6	phospholipase A2, group VI (cytosolic, calcium-independent)	0.820464	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0035 60	PLA2G6	phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma)	1.24364	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0050 84	PLA2G7	phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma)	-3.680193	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0050 84	PLA2G7	phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma)	-1.282374	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0050 84	PLA2G7	phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma)	-0.488858	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_005084	PLA2G7	phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma)	-0.29753	Inlier
siRNA Disorazole DMSO Run1	NM_005084	PLA2G7	phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma)	0.297529	Inlier
siRNA Disorazole DMSO Run3	NM_005084	PLA2G7	phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma)	0.343797	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005084	PLA2G7	phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma)	0.860142	Inlier
siRNA Disorazole DMSO Run2	NM_005084	PLA2G7	phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma)	1.449186	Inlier
siRNA-Temozolomide Run2-DMSO	NM_007366	PLA2R1	receptor 1, 180kDa	-1.014426	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0073 66	PLA2R1	phospholipase A2 receptor 1, 180kDa	-0.845291	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0073 66	PLA2R1	phospholipase A2 receptor 1, 180kDa	-0.503709	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0073 66	PLA2R1	phospholipase A2 receptor 1, 180kDa	-0.2174	Inlier
siRNA Disorazole DMSO Run3	NM_0073 66	PLA2R1	phospholipase A2 receptor 1, 180kDa	0.2174	Inlier
siRNA Disorazole DMSO Run1	NM_0073 66	PLA2R1	phospholipase A2 receptor 1, 180kDa	0.247617	Inlier
siRNA Disorazole DMSO Run2	NM_0073 66	PLA2R1	phospholipase A2 receptor 1, 180kDa	1.441715	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0073 66	PLA2R1	phospholipase A2 receptor 1, 180kDa	1.690025	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0042 53	PLAA	phospholipase A2-activating protein	-1.28172	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0042 53	PLAA	phospholipase A2-activating protein	-0.817256	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0042 53	PLAA	phospholipase A2-activating protein	-0.07718	Inlier
siRNA Disorazole DMSO Run3	NM_0042 53	PLAA	phospholipase A2-activating protein	-0.022022	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0042 53	PLAA	phospholipase A2-activating protein	0.022022	Inlier
siRNA Disorazole DMSO Run1	NM_0042 53	PLAA	phospholipase A2-activating protein	0.590638	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Cell Line	Gene Name	Value	Outlier Status
siRNA-Vinblastine Run1-DMSO	NM_004253	PLAA	phospholipase A2-activating protein	0.758362	Inlier
siRNA Disorazole DMSO Run2	NM_004253	PLAA	phospholipase A2-activating protein	1.440549	Inlier
siRNA-Temozolomide Run3-DMSO	NM_033011	PLAT	plasminogen activator, tissue	-1.29667	Inlier
siRNA-Temozolomide Run2-DMSO	NM_033011	PLAT	plasminogen activator, tissue	-0.955052	Inlier
siRNA Disorazole DMSO Run2	NM_033011	PLAT	plasminogen activator, tissue	-0.282136	Inlier
siRNA Disorazole DMSO Run1	NM_033011	PLAT	plasminogen activator, tissue	-0.256437	Inlier
siRNA-Temozolomide Run1-DMSO	NM_033011	PLAT	plasminogen activator, tissue	0.256437	Inlier
siRNA Disorazole DMSO Run3	NM_033011	PLAT	plasminogen activator, tissue	0.393948	Inlier
siRNA-Vinblastine Run1-DMSO	NM_033011	PLAT	plasminogen activator, tissue	0.971833	Inlier
siRNA-Vinblastine Run2-DMSO	NM_033011	PLAT	plasminogen activator, tissue	1.327929	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002658	PLAU	plasminogen activator, urokinase	-1.179087	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002658	PLAU	plasminogen activator, urokinase	-0.726545	Inlier
siRNA Disorazole DMSO Run1	NM_002658	PLAU	plasminogen activator, urokinase	-0.622455	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0026 58	PLAU	plasminog en activator, urokinase plasminog en	-0.097763	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0026 58	PLAU	activator, urokinase plasminog en	0.097764	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0026 58	PLAU	activator, urokinase plasminog en	0.592143	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0026 58	PLAU	activator, urokinase plasminog en	1.072008	Inlier
siRNA Disorazole DMSO Run3	NM_0026 58	PLAU	activator, urokinase plasminog en	1.319358	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0026 59	PLAUR	activator, urokinase receptor plasminog en	-0.866124	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0026 59	PLAUR	activator, urokinase receptor plasminog en	-0.785501	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0026 59	PLAUR	activator, urokinase receptor plasminog en	-0.590804	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0026 59	PLAUR	activator, urokinase receptor plasminog en	-0.141345	Inlier
siRNA Disorazole DMSO Run3	NM_0026 59	PLAUR	activator, urokinase receptor plasminog en	0.141345	Inlier
siRNA Disorazole DMSO Run1	NM_0026 59	PLAUR	activator, urokinase receptor	0.160152	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0026 59	PLAUR	plasminogen activator, urokinase receptor	0.758195	Inlier
siRNA Disorazole DMSO Run2	NM_0026 59	PLAUR	plasminogen activator, urokinase receptor	0.760648	Inlier
siRNA Disorazole DMSO Run1	NM_1530 21	PLB	phospholipase B1	-2.313193	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1530 21	PLB	phospholipase B1	-0.994751	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1530 21	PLB	phospholipase B1	-0.500717	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1530 21	PLB	phospholipase B1	-0.401063	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1530 21	PLB	phospholipase B1	0.401062	Inlier
siRNA Disorazole DMSO Run3	NM_1530 21	PLB	phospholipase B1	0.455393	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1530 21	PLB	phospholipase B1	0.848283	Inlier
siRNA Disorazole DMSO Run2	NM_1530 21	PLB	phospholipase B1	2.048588	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1827 34	PLCB1	phospholipase C, beta 1 (phosphoinositide-specific)	-1.593506	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1827 34	PLCB1	phospholipase C, beta 1 (phosphoinositide-specific)	-0.734799	Inlier
siRNA Disorazole DMSO Run3	NM_1827 34	PLCB1	phospholipase C, beta 1 (phosphoinositide-specific)	-0.614201	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1827 34	PLCB1	phospholipase C, beta 1 (phosphoinositide-specific)	-0.375072	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Gene ID	Gene Symbol	Gene Description	Value	Outlier
siRNA-Temozolomide Run1-DMSO	NM_1827	34	PLCB1	phospholipase C, beta 1 (phosphoinositide-specific)	0.375072	Inlier
siRNA Disorazole DMSO Run1	NM_1827	34	PLCB1	phospholipase C, beta 1 (phosphoinositide-specific)	0.500719	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1827	34	PLCB1	phospholipase C, beta 1 (phosphoinositide-specific)	1.378188	Inlier
siRNA Disorazole DMSO Run2	NM_1827	34	PLCB1	phospholipase C, beta 1 (phosphoinositide-specific)	1.528473	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0045	73	PLCB2	phospholipase C, beta 2	-0.816729	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0045	73	PLCB2	phospholipase C, beta 2	-0.532271	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0045	73	PLCB2	phospholipase C, beta 2	-0.474371	Inlier
siRNA Disorazole DMSO Run3	NM_0045	73	PLCB2	phospholipase C, beta 2	-0.137296	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0045	73	PLCB2	phospholipase C, beta 2	0.137296	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0045	73	PLCB2	phospholipase C, beta 2	0.974352	Inlier
siRNA Disorazole DMSO Run2	NM_0045	73	PLCB2	phospholipase C, beta 2	1.049966	Inlier
siRNA Disorazole DMSO Run1	NM_0045	73	PLCB2	phospholipase C, beta 2	1.575069	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log Fold Change	Category
siRNA-Temozolomide Run3-DMSO	NM_000932	PLCB3	phospholipase C, beta 3 (phosphatidylinositol-specific)	-2.544188	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000932	PLCB3	phospholipase C, beta 3 (phosphatidylinositol-specific)	-0.651758	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000932	PLCB3	phospholipase C, beta 3 (phosphatidylinositol-specific)	-0.620822	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000932	PLCB3	phospholipase C, beta 3 (phosphatidylinositol-specific)	-0.564103	Inlier
siRNA Disorazole DMSO Run1	NM_000932	PLCB3	phospholipase C, beta 3 (phosphatidylinositol-specific)	0.564103	Inlier
siRNA Disorazole DMSO Run3	NM_000932	PLCB3	phospholipase C, beta 3 (phosphatidylinositol-specific)	0.697242	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000932	PLCB3	phospholipase C, beta 3 (phosphatidylinositol-specific)	4.470563	Outlier
siRNA Disorazole DMSO Run2	NM_000932	PLCB3	phospholipase C, beta 3 (phosphatidylinositol-specific)	7.537486	Outlier
siRNA-Temozolomide Run2-DMSO	NM_182797	PLCB4	phospholipase C, beta 4	-1.110819	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology				phospholipase C, beta 4	
siRNA-Temozolomide Run3-DMSO	NM_1827 97	PLCB4			-0.238181 Inlier
siRNA-Temozolomide Run1-DMSO	NM_1827 97	PLCB4			-0.103074 Inlier
siRNA Disorazole DMSO Run1	NM_1827 97	PLCB4			-0.00634 Inlier
siRNA-Vinblastine Run2-DMSO	NM_1827 97	PLCB4			0.00634 Inlier
siRNA Disorazole DMSO Run3	NM_1827 97	PLCB4			1.998894 Inlier
siRNA-Vinblastine Run1-DMSO	NM_1827 97	PLCB4			2.029284 Inlier
siRNA Disorazole DMSO Run2	NM_1827 97	PLCB4			2.996962 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0062 25	PLCD1			-1.646217 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0062 25	PLCD1			-1.622961 Inlier
siRNA Disorazole DMSO Run1	NM_0062 25	PLCD1			-1.337313 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0062 25	PLCD1			-0.025459 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0062 25	PLCD1			0.025459 Inlier
siRNA Disorazole DMSO Run3	NM_0062 25	PLCD1			0.155738 Inlier
siRNA Disorazole DMSO Run2	NM_0062 25	PLCD1			0.385144 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0062 25	PLCD1			0.963856 Inlier
siRNA-Temozolomide Run1-DMSO	NM_1333 73	PLCD3			-1.761795 Inlier
siRNA-Vinblastine Run2-DMSO	NM_1333 73	PLCD3			-0.464534 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1333 73	PLCD3	phospholip ase C, delta 3	-0.334175	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1333 73	PLCD3	phospholip ase C, delta 3	-0.207627	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1333 73	PLCD3	phospholip ase C, delta 3	0.207625	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1333 73	PLCD3	phospholip ase C, delta 3	0.884466	Inlier
siRNA Disorazole DMSO Run2	NM_1333 73	PLCD3	phospholip ase C, delta 3	1.71892	Inlier
siRNA Disorazole DMSO Run3	NM_1333 73	PLCD3	phospholip ase C, delta 3	2.387918	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0327 26	PLCD4	phospholip ase C, delta 4	-1.421294	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0327 26	PLCD4	phospholip ase C, delta 4	-1.250511	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0327 26	PLCD4	phospholip ase C, delta 4	-0.582711	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0327 26	PLCD4	phospholip ase C, delta 4	-0.12789	Inlier
siRNA Disorazole DMSO Run3	NM_0327 26	PLCD4	phospholip ase C, delta 4	0.12789	Inlier
siRNA Disorazole DMSO Run1	NM_0327 26	PLCD4	phospholip ase C, delta 4	0.544248	Inlier
siRNA Disorazole DMSO Run2	NM_0327 26	PLCD4	phospholip ase C, delta 4	0.766289	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0327 26	PLCD4	phospholip ase C, delta 4	1.074007	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0163 41	PLCE1	phospholip ase C, epsilon 1	-2.193833	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0163 41	PLCE1	phospholip ase C, epsilon 1	-0.544198	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0163 41	PLCE1	phospholip ase C, epsilon 1	-0.538421	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Value	Category
siRNA Disorazole DMSO Run3	NM_0163 41	PLCE1	phospholipase C, epsilon 1	-0.104385	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0163 41	PLCE1	phospholipase C, epsilon 1	0.104385	Inlier
siRNA Disorazole DMSO Run1	NM_0163 41	PLCE1	phospholipase C, epsilon 1	0.804802	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0163 41	PLCE1	phospholipase C, epsilon 1	1.609354	Inlier
siRNA Disorazole DMSO Run2	NM_0163 41	PLCE1	phospholipase C, epsilon 1	1.698795	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1828 11	PLCG1	phospholipase C, gamma 1	-2.3327	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1828 11	PLCG1	phospholipase C, gamma 1	-2.291001	Inlier
siRNA Disorazole DMSO Run1	NM_1828 11	PLCG1	phospholipase C, gamma 1	-0.362464	Inlier
siRNA Disorazole DMSO Run3	NM_1828 11	PLCG1	phospholipase C, gamma 1	-0.12389	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1828 11	PLCG1	phospholipase C, gamma 1	0.12389	Inlier
siRNA Disorazole DMSO Run2	NM_1828 11	PLCG1	phospholipase C, gamma 1	0.610066	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1828 11	PLCG1	phospholipase C, gamma 1	0.738934	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1828 11	PLCG1	phospholipase C, gamma 1	1.072616	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0026 61	PLCG2	phospholipase C, gamma 2 (phosphatidylinositol-specific)	-4.369986	Outlier
siRNA-Vinblastine Run2-DMSO	NM_0026 61	PLCG2	phospholipase C, gamma 2 (phosphatidylinositol-specific)	-1.603444	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0026 61	PLCG2	phospholipase C, gamma 2 (phosphatidylinositol-specific)	-0.727788	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0026 61	PLCG2	phospholipase C, gamma 2 (phosphatidylinositol-specific)	-0.045653	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0026 61	PLCG2	phospholipase C, gamma 2 (phosphatidylinositol-specific)	0.045653	Inlier
siRNA Disorazole DMSO Run3	NM_0026 61	PLCG2	phospholipase C, gamma 2 (phosphatidylinositol-specific)	0.060951	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0026 61	PLCG2	phospholipase C, gamma 2 (phosphatidylinositol-specific)	0.621212	Inlier
siRNA Disorazole DMSO Run2	NM_0026 61	PLCG2	phospholipase C-like 1	0.930893	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0062 26	PLCL1	phospholipase C-like 1	-1.249149	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0062 26	PLCL1	phospholipase C-like 1	-0.530177	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0062 26	PLCL1	phospholipase C-like 1	-0.482432	Inlier
siRNA Disorazole DMSO Run3	NM_0062 26	PLCL1	phospholipase C-like 1	-0.437933	Inlier
siRNA Disorazole DMSO Run1	NM_0062 26	PLCL1	phospholipase C-like 1	0.437933	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology			phospholipase C-like	
siRNA-Temozolomide Run1-DMSO	NM_0062 26	PLCL1	1	0.818823 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0062 26	PLCL1	1	1.383465 Inlier
siRNA Disorazole DMSO Run2	NM_0062 26	PLCL1	1	1.955608 Inlier
siRNA Disorazole DMSO Run3	NM_0151 84	PLCL2	2	-0.884608 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0151 84	PLCL2	2	-0.625099 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0151 84	PLCL2	2	-0.381749 Inlier
siRNA Disorazole DMSO Run1	NM_0151 84	PLCL2	2	-0.354189 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0151 84	PLCL2	2	0.354188 Inlier
siRNA Disorazole DMSO Run2	NM_0151 84	PLCL2	2	0.723901 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0151 84	PLCL2	2	0.809337 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0151 84	PLCL2	2	1.099777 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0331 23	PLCZ1	phospholipase C, zeta 1	-1.972241 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0331 23	PLCZ1	phospholipase C, zeta 1	-0.877538 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0331 23	PLCZ1	phospholipase C, zeta 1	-0.349451 Inlier
siRNA Disorazole DMSO Run3	NM_0331 23	PLCZ1	phospholipase C, zeta 1	-0.075157 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0331 23	PLCZ1	phospholipase C, zeta 1	0.075157 Inlier
siRNA Disorazole DMSO Run1	NM_0331 23	PLCZ1	phospholipase C, zeta 1	0.471462 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0331 23	PLCZ1	phospholipase C, zeta 1	2.214528	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0331 23	PLCZ1	phospholipase C, zeta 1	3.62954	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0026 62	PLD1	phospholipase D1, phosphatidylcholine-specific	-1.900128	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0026 62	PLD1	phospholipase D1, phosphatidylcholine-specific	-0.33187	Inlier
siRNA Disorazole DMSO Run3	NM_0026 62	PLD1	phospholipase D1, phosphatidylcholine-specific	-0.290321	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0026 62	PLD1	phospholipase D1, phosphatidylcholine-specific	-0.262792	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0026 62	PLD1	phospholipase D1, phosphatidylcholine-specific	0.262792	Inlier
siRNA Disorazole DMSO Run1	NM_0026 62	PLD1	phospholipase D1, phosphatidylcholine-specific	1.01713	Inlier
siRNA Disorazole DMSO Run2	NM_0026 62	PLD1	phospholipase D1, phosphatidylcholine-specific	1.1608	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0026 62	PLD1	phospholipase D1, phosphatidylcholine-specific	1.832223	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0026 63	PLD2	phospholipase D2	-1.602393	Inlier
siRNA Disorazole DMSO Run1	NM_0026 63	PLD2	phospholipase D2	-1.243869	Inlier
siRNA Disorazole DMSO Run3	NM_0026 63	PLD2	phospholipase D2	-0.407363	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Temozolomide Run1-DMSO	NM_0026 63	PLD2	phospholipase D2	-0.272951	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0026 63	PLD2	phospholipase D2	0.27295	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0026 63	PLD2	phospholipase D2	0.544936	Inlier
siRNA Disorazole DMSO Run2	NM_0026 63	PLD2	phospholipase D2	0.804064	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0026 63	PLD2	phospholipase D2	0.882034	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0122 68	PLD3	phospholipase D3	-4.096066	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0122 68	PLD3	phospholipase D3	-0.496472	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0122 68	PLD3	phospholipase D3	-0.277425	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0122 68	PLD3	phospholipase D3	-0.059165	Inlier
siRNA Disorazole DMSO Run3	NM_0122 68	PLD3	phospholipase D3	0.059165	Inlier
siRNA Disorazole DMSO Run1	NM_0122 68	PLD3	phospholipase D3	0.852528	Inlier
siRNA Disorazole DMSO Run2	NM_0122 68	PLD3	phospholipase D3	1.842809	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0122 68	PLD3	phospholipase D3	1.989206	Inlier
siRNA Disorazole DMSO Run3	NM_0123 88	PLDN	pallidin homolog (mouse)	-1.154536	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0123 88	PLDN	pallidin homolog (mouse)	-0.5153	Inlier
siRNA Disorazole DMSO Run1	NM_0123 88	PLDN	pallidin homolog (mouse)	-0.260119	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0123 88	PLDN	pallidin homolog (mouse)	-0.150057	Inlier
siRNA Disorazole DMSO Run2	NM_0123 88	PLDN	pallidin homolog (mouse)	0.150056	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0123 88	PLDN	pallidin homolog (mouse)	0.8337	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0123 88	PLDN	pallidin homolog (mouse)	0.962154	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0123 88	PLDN	pallidin homolog (mouse)	1.099782	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0003 01	PLG	plasminogen	-2.038692	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Temozolomide Run2- DMSO	NM_0003 01	PLG	plasminog en	-1.841133	Inlier
siRNA Disorazole DMSO Run2	NM_0003 01	PLG	plasminog en	-0.681186	Inlier
siRNA Disorazole DMSO Run3	NM_0003 01	PLG	plasminog en	-0.054084	Inlier
siRNA Disorazole DMSO Run1	NM_0003 01	PLG	plasminog en	0.054084	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0003 01	PLG	plasminog en	0.265243	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0003 01	PLG	plasminog en	0.667814	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0003 01	PLG	plasminog en	1.025196	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0026 65	PLGL	plasminog en-like	-1.195572	Inlier
siRNA Disorazole DMSO Run2	NM_0026 65	PLGL	plasminog en-like	-1.075862	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0026 65	PLGL	plasminog en-like	-0.44221	Inlier
siRNA Disorazole DMSO Run1	NM_0026 65	PLGL	plasminog en-like	-0.314213	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0026 65	PLGL	plasminog en-like	0.314214	Inlier
siRNA Disorazole DMSO Run3	NM_0026 65	PLGL	plasminog en-like	0.497706	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0026 65	PLGL	plasminog en-like	0.851294	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0026 65	PLGL	plasminog en-like	1.042648	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0026 66	PLIN	perilipin	-1.289856	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0026 66	PLIN	perilipin	-1.161161	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0026 66	PLIN	perilipin	-0.182587	Inlier
siRNA Disorazole DMSO Run3	NM_0026 66	PLIN	perilipin	-0.031823	Inlier
siRNA Disorazole DMSO Run1	NM_0026 66	PLIN	perilipin	0.031823	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0026 66	PLIN	perilipin	0.187839	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0026 66	PLIN	perilipin	1.950691	Inlier
siRNA Disorazole DMSO Run2	NM_0026 66	PLIN	perilipin polo-like kinase 1	2.166682	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0050 30	PLK1	(Drosophil a)	-1.607064	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0050 30	PLK1	polo-like kinase 1 (Drosophila)	-1.011485	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0050 30	PLK1	polo-like kinase 1 (Drosophila)	-0.337515	Inlier
siRNA Disorazole DMSO Run1	NM_0050 30	PLK1	polo-like kinase 1 (Drosophila)	-0.085382	Inlier
siRNA Disorazole DMSO Run3	NM_0050 30	PLK1	polo-like kinase 1 (Drosophila)	0.085382	Inlier
siRNA Disorazole DMSO Run2	NM_0050 30	PLK1	polo-like kinase 1 (Drosophila)	0.100827	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0050 30	PLK1	polo-like kinase 1 (Drosophila)	1.021187	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0050 30	PLK1	polo-like kinase 1 (Drosophila)	1.165496	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0066 22	PLK2	polo-like kinase 2 (Drosophila)	-4.192407	Outlier
siRNA Disorazole DMSO Run2	NM_0066 22	PLK2	polo-like kinase 2 (Drosophila)	-1.881754	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0066 22	PLK2	polo-like kinase 2 (Drosophila)	-1.735918	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0066 22	PLK2	polo-like kinase 2 (Drosophila)	-0.119073	Inlier
siRNA Disorazole DMSO Run3	NM_0066 22	PLK2	polo-like kinase 2 (Drosophila)	0.119073	Inlier
siRNA Disorazole DMSO Run1	NM_0066 22	PLK2	polo-like kinase 2 (Drosophila)	0.370675	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0066 22	PLK2	polo-like kinase 2 (Drosophila)	0.410593 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0066 22	PLK2	polo-like kinase 2 (Drosophila)	0.938407 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0040 73	PLK3	polo-like kinase 3 (Drosophila)	-0.815802 Inlier
siRNA Disorazole DMSO Run2	NM_0040 73	PLK3	polo-like kinase 3 (Drosophila)	-0.533198 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0040 73	PLK3	polo-like kinase 3 (Drosophila)	-0.48547 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0040 73	PLK3	polo-like kinase 3 (Drosophila)	-0.132781 Inlier
siRNA Disorazole DMSO Run3	NM_0040 73	PLK3	polo-like kinase 3 (Drosophila)	0.132782 Inlier
siRNA Disorazole DMSO Run1	NM_0040 73	PLK3	polo-like kinase 3 (Drosophila)	0.836376 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0040 73	PLK3	polo-like kinase 3 (Drosophila)	1.335672 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0040 73	PLK3	polo-like kinase 3 (Drosophila)	1.659321 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0142 64	PLK4	polo-like kinase 4 (Drosophila)	-4.33343 Outlier
siRNA-Temozolomide Run1-DMSO	NM_0142 64	PLK4	polo-like kinase 4 (Drosophila)	-2.266899 Inlier
siRNA Disorazole DMSO Run2	NM_0142 64	PLK4	polo-like kinase 4 (Drosophila)	-0.158055 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0142 64	PLK4	polo-like kinase 4 (Drosophila)	-0.012541	Inlier
siRNA Disorazole DMSO Run3	NM_0142 64	PLK4	polo-like kinase 4 (Drosophila)	0.01254	Inlier
siRNA Disorazole DMSO Run1	NM_0142 64	PLK4	polo-like kinase 4 (Drosophila)	0.45327	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0142 64	PLK4	polo-like kinase 4 (Drosophila)	0.89573	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0142 64	PLK4	polo-like kinase 4 (Drosophila)	0.945751	Inlier
siRNA Disorazole DMSO Run1	NM_0003 02	PLOD	procollagen lysine 1, 2-oxoglutarate 5-dioxygenase 1	-4.323372	Outlier
siRNA Disorazole DMSO Run3	NM_0003 02	PLOD	procollagen lysine 1, 2-oxoglutarate 5-dioxygenase 1	-0.805544	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0003 02	PLOD	procollagen lysine 1, 2-oxoglutarate 5-dioxygenase 1	-0.45842	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0003 02	PLOD	procollagen lysine 1, 2-oxoglutarate 5-dioxygenase 1	-0.007699	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_000302	PLOD	procollagen-lysine, 2-oxoglutarate 5-dioxygenase 1	0.007702	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000302	PLOD	procollagen-lysine, 2-oxoglutarate 5-dioxygenase 1	0.543456	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000302	PLOD	procollagen-lysine, 2-oxoglutarate 5-dioxygenase 1	1.41995	Inlier
siRNA Disorazole DMSO Run2	NM_000302	PLOD	procollagen-lysine, 2-oxoglutarate 5-dioxygenase 1	8.056372	Outlier
siRNA-Temozolomide Run2-DMSO	NM_182943	PLOD2	procollagen-lysine, 2-oxoglutarate 5-dioxygenase 2	-0.723212	Inlier
siRNA-Temozolomide Run3-DMSO	NM_182943	PLOD2	procollagen-lysine, 2-oxoglutarate 5-dioxygenase 2	-0.672022	Inlier
siRNA Disorazole DMSO Run1	NM_182943	PLOD2	procollagen-lysine, 2-oxoglutarate 5-dioxygenase 2	-0.449523	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_1829 43	PLOD2	procollagen-lysine, 2-oxoglutarate 5-dioxygenase 2	-0.147667	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1829 43	PLOD2	procollagen-lysine, 2-oxoglutarate 5-dioxygenase 2	0.147667	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1829 43	PLOD2	procollagen-lysine, 2-oxoglutarate 5-dioxygenase 2	0.676978	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1829 43	PLOD2	procollagen-lysine, 2-oxoglutarate 5-dioxygenase 2	1.331019	Inlier
siRNA Disorazole DMSO Run2	NM_1829 43	PLOD2	procollagen-lysine, 2-oxoglutarate 5-dioxygenase 2	1.49719	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 84	PLOD3	procollagen-lysine, 2-oxoglutarate 5-dioxygenase 3	-3.606595	Outlier
siRNA-Temozolomide Run1-DMSO	NM_0010 84	PLOD3	procollagen-lysine, 2-oxoglutarate 5-dioxygenase 3	-0.929153	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_001084	PLOD3	procollagen-lysine, 2-oxoglutarate 5-dioxygenase 3	-0.419847	Inlier
siRNA Disorazole DMSO Run3	NM_001084	PLOD3	procollagen-lysine, 2-oxoglutarate 5-dioxygenase 3	-0.111409	Inlier
siRNA Disorazole DMSO Run1	NM_001084	PLOD3	procollagen-lysine, 2-oxoglutarate 5-dioxygenase 3	0.111407	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001084	PLOD3	procollagen-lysine, 2-oxoglutarate 5-dioxygenase 3	0.323676	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001084	PLOD3	procollagen-lysine, 2-oxoglutarate 5-dioxygenase 3	1.309991	Inlier
siRNA Disorazole DMSO Run2	NM_001084	PLOD3	procollagen-lysine, 2-oxoglutarate 5-dioxygenase 3	2.237443	Inlier
siRNA Disorazole DMSO Run1	NM_021105	PLSCR1	phospholipid scramblase 1	-1.51042	Inlier
siRNA-Temozolomide Run2-DMSO	NM_021105	PLSCR1	phospholipid scramblase 1	-1.462733	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_021105	PLSCR1	phospholipid scramblase 1	-0.711507	Inlier
siRNA-Vinblastine Run2-DMSO	NM_021105	PLSCR1	phospholipid scramblase 1	-0.265677	Inlier
siRNA-Temozolomide Run3-DMSO	NM_021105	PLSCR1	phospholipid scramblase 1	0.265677	Inlier
siRNA Disorazole DMSO Run3	NM_021105	PLSCR1	phospholipid scramblase 1	0.281981	Inlier
siRNA-Vinblastine Run1-DMSO	NM_021105	PLSCR1	phospholipid scramblase 1	0.637493	Inlier
siRNA Disorazole DMSO Run2	NM_021105	PLSCR1	phospholipid scramblase 1	1.008153	Inlier
siRNA-Temozolomide Run3-DMSO	NM_020359	PLSCR2	phospholipid scramblase 2	-1.194991	Inlier
siRNA-Temozolomide Run2-DMSO	NM_020359	PLSCR2	phospholipid scramblase 2	-0.840583	Inlier
siRNA Disorazole DMSO Run3	NM_020359	PLSCR2	phospholipid scramblase 2	-0.508417	Inlier
siRNA-Temozolomide Run1-DMSO	NM_020359	PLSCR2	phospholipid scramblase 2	-0.025889	Inlier
siRNA-Vinblastine Run2-DMSO	NM_020359	PLSCR2	phospholipid scramblase 2	0.025889	Inlier
siRNA Disorazole DMSO Run1	NM_020359	PLSCR2	phospholipid scramblase 2	0.043589	Inlier
siRNA-Vinblastine Run1-DMSO	NM_020359	PLSCR2	phospholipid scramblase 2	1.90301	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Run	Condition	PLSCR	Value	Category
siRNA Disorazole DMSO	NM_0203	59	Run2	PLSCR2	2.141444	Inlier
siRNA-Temozolomide DMSO	NM_0203	60	Run3	PLSCR3	-0.902856	Inlier
siRNA-Vinblastine DMSO	NM_0203	60	Run2	PLSCR3	-0.779747	Inlier
siRNA Disorazole DMSO	NM_0203	60	Run3	PLSCR3	-0.519794	Inlier
siRNA-Temozolomide DMSO	NM_0203	60	Run2	PLSCR3	-0.336561	Inlier
siRNA-Temozolomide DMSO	NM_0203	60	Run1	PLSCR3	0.336561	Inlier
siRNA Disorazole DMSO	NM_0203	60	Run1	PLSCR3	0.569253	Inlier
siRNA Disorazole DMSO	NM_0203	60	Run2	PLSCR3	4.747947	Outlier
siRNA-Vinblastine DMSO	NM_0203	60	Run1	PLSCR3	4.898457	Outlier
siRNA-Temozolomide DMSO	NM_0203	53	Run3	PLSCR4	-1.239995	Inlier
siRNA-Temozolomide DMSO	NM_0203	53	Run2	PLSCR4	-1.222295	Inlier
siRNA-Vinblastine DMSO	NM_0203	53	Run2	PLSCR4	-0.406369	Inlier
siRNA Disorazole DMSO	NM_0203	53	Run3	PLSCR4	-0.031879	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0203 53	PLSCR4	phospholipid scramblase 4	0.031879	Inlier
siRNA Disorazole DMSO Run1	NM_0203 53	PLSCR4	phospholipid scramblase 4	0.125793	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0203 53	PLSCR4	phospholipid scramblase 4	0.942631	Inlier
siRNA Disorazole DMSO Run2	NM_0203 53	PLSCR4	phospholipid scramblase 4	2.331292	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0062 27	PLTP	phospholipid transfer protein	-0.775858	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0062 27	PLTP	phospholipid transfer protein	-0.662335	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0062 27	PLTP	phospholipid transfer protein	-0.503696	Inlier
siRNA Disorazole DMSO Run1	NM_0062 27	PLTP	phospholipid transfer protein	-0.029476	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0062 27	PLTP	phospholipid transfer protein	0.029476	Inlier
siRNA Disorazole DMSO Run3	NM_0062 27	PLTP	phospholipid transfer protein	0.686665	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0062 27	PLTP	phospholipid transfer protein	1.97359	Inlier
siRNA Disorazole DMSO Run2	NM_0062 27	PLTP	phospholipid transfer protein	3.384632	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_1308 52	PLUNC	palate, lung and nasal epithelium carcinoma associated	-1.158981	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1308 52	PLUNC	palate, lung and nasal epithelium carcinoma associated	-0.806542	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1308 52	PLUNC	palate, lung and nasal epithelium carcinoma associated	-0.542458	Inlier
siRNA Disorazole DMSO Run2	NM_1308 52	PLUNC	palate, lung and nasal epithelium carcinoma associated	-0.308174	Inlier
siRNA Disorazole DMSO Run1	NM_1308 52	PLUNC	palate, lung and nasal epithelium carcinoma associated	0.308173	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1308 52	PLUNC	palate, lung and nasal epithelium carcinoma associated	0.339507	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_1308 52	PLUNC	palate, lung and nasal epithelium carcinoma associated	1.445083	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1308 52	PLUNC	palate, lung and nasal epithelium carcinoma associated	1.458766	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0161 47	PME-1	PME-1	-1.346322	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0161 47	PME-1	PME-1	-1.279243	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0161 47	PME-1	PME-1	-0.729765	Inlier
siRNA Disorazole DMSO Run3	NM_0161 47	PME-1	PME-1	-0.276401	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0161 47	PME-1	PME-1	0.276401	Inlier
siRNA Disorazole DMSO Run2	NM_0161 47	PME-1	PME-1	0.473336	Inlier
siRNA Disorazole DMSO Run1	NM_0161 47	PME-1	PME-1	0.619235	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0161 47	PME-1	PME-1	0.750417	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0332 50	PML	promyelocytic leukemia	-1.651151	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0332 50	PML	promyelocytic leukemia	-0.754451	Inlier
siRNA Disorazole DMSO Run1	NM_0332 50	PML	promyelocytic leukemia	-0.594549	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0332 50	PML	promyelocytic leukemia	-0.053257	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0332 50	PML	promyelocytic leukemia	0.053258	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0332 50	PML	promyelocytic leukemia	0.481726	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

	NM_0332		promyelocytic leukemia	
siRNA Disorazole DMSO Run2	50	PML	0.869531	Inlier
	NM_0332		promyelocytic leukemia	
siRNA Disorazole DMSO Run3	50	PML	2.693125	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0026 76	PMM1	phosphomannomutase 1	-1.015976 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0026 76	PMM1	phosphomannomutase 1	-0.948004 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0026 76	PMM1	phosphomannomutase 1	-0.605115 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0026 76	PMM1	phosphomannomutase 1	-0.08619 Inlier
siRNA Disorazole DMSO Run1	NM_0026 76	PMM1	phosphomannomutase 1	0.086191 Inlier
siRNA Disorazole DMSO Run2	NM_0026 76	PMM1	phosphomannomutase 1	0.616713 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0026 76	PMM1	phosphomannomutase 1	0.732287 Inlier
siRNA Disorazole DMSO Run3	NM_0026 76	PMM1	phosphomannomutase 1	1.193975 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0003 03	PMM2	phosphomannomutase 2	-1.074977 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0003 03	PMM2	phosphomannomutase 2	-1.069831 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0003 03	PMM2	phosphomannomutase 2	-0.216695 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0003 03	PMM2	phosphomannomutase 2	-0.029115 Inlier
siRNA Disorazole DMSO Run1	NM_0003 03	PMM2	phosphomannomutase 2	0.029115 Inlier
siRNA Disorazole DMSO Run3	NM_0003 03	PMM2	phosphomannomutase 2	0.515265 Inlier
siRNA Disorazole DMSO Run2	NM_0003 03	PMM2	phosphomannomutase 2	0.833735 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log Fold Change	Outlier Status
Molecular Pharmacology siRNA-Vinblastine Run1- DMSO	NM_000303	PMM2	phosphomannomutase 2	1.023421	Inlier
siRNA-Temozolomide Run3- DMSO	NM_002677	PMP2	peripheral myelin protein 2	-1.276487	Inlier
siRNA-Temozolomide Run2- DMSO	NM_002677	PMP2	peripheral myelin protein 2	-0.836115	Inlier
siRNA-Vinblastine Run2- DMSO	NM_002677	PMP2	peripheral myelin protein 2	-0.501462	Inlier
siRNA Disorazole DMSO Run1	NM_002677	PMP2	peripheral myelin protein 2	-0.136463	Inlier
siRNA-Temozolomide Run1- DMSO	NM_002677	PMP2	peripheral myelin protein 2	0.136463	Inlier
siRNA Disorazole DMSO Run3	NM_002677	PMP2	peripheral myelin protein 2	0.512885	Inlier
siRNA-Vinblastine Run1- DMSO	NM_002677	PMP2	peripheral myelin protein 2	2.592765	Inlier
siRNA Disorazole DMSO Run2	NM_002677	PMP2	peripheral myelin protein 2	2.807922	Inlier
siRNA-Temozolomide Run3- DMSO	NM_015160	PMPCA	peptidase (mitochondrial processing) alpha	-1.474175	Inlier
siRNA-Temozolomide Run2- DMSO	NM_015160	PMPCA	peptidase (mitochondrial processing) alpha	-0.314727	Inlier
siRNA Disorazole DMSO Run1	NM_015160	PMPCA	peptidase (mitochondrial processing) alpha	-0.269907	Inlier
siRNA Disorazole DMSO Run2	NM_015160	PMPCA	peptidase (mitochondrial processing) alpha	-0.031899	Inlier
siRNA-Temozolomide Run1- DMSO	NM_015160	PMPCA	peptidase (mitochondrial processing) alpha	0.031899	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0151 60	PMPCA	peptidase (mitochondrial processing) alpha	1.034273	Inlier
siRNA Disorazole DMSO Run3	NM_0151 60	PMPCA	peptidase (mitochondrial processing) alpha	1.208947	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0151 60	PMPCA	peptidase (mitochondrial processing) alpha	1.625561	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0042 79	PMPCB	peptidase (mitochondrial processing) beta	-0.875505	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0042 79	PMPCB	peptidase (mitochondrial processing) beta	-0.619744	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0042 79	PMPCB	peptidase (mitochondrial processing) beta	-0.425638	Inlier
siRNA Disorazole DMSO Run2	NM_0042 79	PMPCB	peptidase (mitochondrial processing) beta	-0.008155	Inlier
siRNA Disorazole DMSO Run3	NM_0042 79	PMPCB	peptidase (mitochondrial processing) beta	0.008156	Inlier
siRNA Disorazole DMSO Run1	NM_0042 79	PMPCB	peptidase (mitochondrial processing) beta	0.729255	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0042 79	PMPCB	peptidase (mitochondrial processing) beta	1.851045	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_004279	PMPCB	peptidase (mitochondrial processing) beta	1.86332	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000534	PMS1	PMS1 postmeiotic segregation increased 1 (S. cerevisiae)	-2.401563	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000534	PMS1	PMS1 postmeiotic segregation increased 1 (S. cerevisiae)	-0.871507	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000534	PMS1	PMS1 postmeiotic segregation increased 1 (S. cerevisiae)	-0.477493	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000534	PMS1	PMS1 postmeiotic segregation increased 1 (S. cerevisiae)	-0.118626	Inlier
siRNA Disorazole DMSO Run3	NM_000534	PMS1	PMS1 postmeiotic segregation increased 1 (S. cerevisiae)	0.118625	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0005 34	PMS1	PMS1 postmeiotic segregation increased 1 (S. cerevisiae)	0.355161	Inlier
siRNA Disorazole DMSO Run2	NM_0005 34	PMS1	PMS1 postmeiotic segregation increased 1 (S. cerevisiae)	3.112775	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0005 34	PMS1	PMS1 postmeiotic segregation increased 1 (S. cerevisiae)	3.469587	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 18040	PMS2	PMS2 postmeiotic segregation increased 2 (S. cerevisiae)	-1.754951	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 18040	PMS2	PMS2 postmeiotic segregation increased 2 (S. cerevisiae)	-0.363568	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_001018040	PMS2	PMS2 postmeiotic segregation increased 2 (S. cerevisiae)	-0.295697	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001018040	PMS2	PMS2 postmeiotic segregation increased 2 (S. cerevisiae)	-0.186486	Inlier
siRNA Disorazole DMSO Run1	NM_001018040	PMS2	PMS2 postmeiotic segregation increased 2 (S. cerevisiae)	0.186487	Inlier
siRNA Disorazole DMSO Run3	NM_001018040	PMS2	PMS2 postmeiotic segregation increased 2 (S. cerevisiae)	0.985432	Inlier
siRNA Disorazole DMSO Run2	NM_001018040	PMS2	PMS2 postmeiotic segregation increased 2 (S. cerevisiae)	4.030733	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Expression Change	Significance
siRNA-Vinblastine Run1-DMSO	NM_001018040	PMS2	PMS2 postmeiotic segregation increased 2 (S. cerevisiae)	4.489582 Outlier
siRNA-Temozolomide Run3-DMSO	NM_005395	PMS2L9	PMS2L9 postmeiotic segregation increased 2-like 3	-1.541183 Inlier
siRNA-Temozolomide Run2-DMSO	NM_005395	PMS2L9	PMS2L9 postmeiotic segregation increased 2-like 3	-1.055163 Inlier
siRNA-Temozolomide Run1-DMSO	NM_005395	PMS2L9	PMS2L9 postmeiotic segregation increased 2-like 3	-0.89852 Inlier
siRNA Disorazole DMSO Run1	NM_005395	PMS2L9	PMS2L9 postmeiotic segregation increased 2-like 3	-0.073663 Inlier
siRNA-Vinblastine Run2-DMSO	NM_005395	PMS2L9	PMS2L9 postmeiotic segregation increased 2-like 3	0.073663 Inlier
siRNA Disorazole DMSO Run3	NM_005395	PMS2L9	PMS2L9 postmeiotic segregation increased 2-like 3	0.337398 Inlier
siRNA Disorazole DMSO Run2	NM_005395	PMS2L9	PMS2L9 postmeiotic segregation increased 2-like 3	0.645864 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			postmeiotic segregation		
siRNA-Vinblastine Run1-DMSO	NM_0053 95	PMS2L9	increased 2-like 3 phosphom evalonate kinase	0.703136	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0065 56	PMVK	phosphom evalonate kinase	-1.351577	Inlier
siRNA Disorazole DMSO Run2	NM_0065 56	PMVK	phosphom evalonate kinase	-0.838711	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0065 56	PMVK	phosphom evalonate kinase	-0.806639	Inlier
siRNA Disorazole DMSO Run1	NM_0065 56	PMVK	phosphom evalonate kinase	-0.114682	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0065 56	PMVK	phosphom evalonate kinase	0.114684	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0065 56	PMVK	phosphom evalonate kinase	0.376019	Inlier
siRNA Disorazole DMSO Run3	NM_0065 56	PMVK	phosphom evalonate kinase	0.542361	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0065 56	PMVK	phosphom evalonate kinase	1.588396	Inlier
			pregnancy upregulated non-ubiquitously expressed CaM		
siRNA Disorazole DMSO Run2	NM_1984 52	PNCK	kinase	-2.069177	Inlier
			pregnancy upregulated non-ubiquitously expressed CaM		
siRNA-Temozolomide Run3-DMSO	NM_1984 52	PNCK	kinase	-1.899513	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_198452	PNCK	pregnancy upregulated non-ubiquitously expressed CaM kinase	-0.377351	Inlier
siRNA-Temozolomide Run1-DMSO	NM_198452	PNCK	pregnancy upregulated non-ubiquitously expressed CaM kinase	-0.20094	Inlier
siRNA Disorazole DMSO Run1	NM_198452	PNCK	pregnancy upregulated non-ubiquitously expressed CaM kinase	0.20094	Inlier
siRNA-Vinblastine Run1-DMSO	NM_198452	PNCK	pregnancy upregulated non-ubiquitously expressed CaM kinase	0.628859	Inlier
siRNA Disorazole DMSO Run3	NM_198452	PNCK	pregnancy upregulated non-ubiquitously expressed CaM kinase	0.720141	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_198452	PNCK	pregnancy upregulated non-ubiquitously expressed CaM kinase polynucleotide kinase 3-phosphatase	1.113586	Inlier
siRNA-Temozolomide Run2-DMSO	NM_007254	PNKP	polynucleotide kinase 3-phosphatase	-0.780095	Inlier
siRNA Disorazole DMSO Run2	NM_007254	PNKP	polynucleotide kinase 3-phosphatase	-0.568905	Inlier
siRNA-Temozolomide Run3-DMSO	NM_007254	PNKP	polynucleotide kinase 3-phosphatase	-0.337288	Inlier
siRNA Disorazole DMSO Run3	NM_007254	PNKP	polynucleotide kinase 3-phosphatase	-0.257603	Inlier
siRNA-Temozolomide Run1-DMSO	NM_007254	PNKP	polynucleotide kinase 3-phosphatase	0.257603	Inlier
siRNA Disorazole DMSO Run1	NM_007254	PNKP	polynucleotide kinase 3-phosphatase	1.064878	Inlier
siRNA-Vinblastine Run2-DMSO	NM_007254	PNKP	polynucleotide kinase 3-phosphatase	1.62514	Inlier
siRNA-Vinblastine Run1-DMSO	NM_007254	PNKP	polynucleotide kinase 3-phosphatase	1.825792	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000936	PNLIP	pancreatic lipase	-0.97362	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_0009		pancreatic		
siRNA Disorazole DMSO Run3	36	PNLIP	lipase	-0.477484	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0009		pancreatic		
siRNA-Temozolomide Run2-DMSO	36	PNLIP	lipase	-0.437213	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0009		pancreatic		
siRNA-Temozolomide Run1-DMSO	36	PNLIP	lipase	-0.375547	Inlier
siRNA Disorazole DMSO Run1	NM_0009		pancreatic		
siRNA Disorazole DMSO Run1	36	PNLIP	lipase	0.871516	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0009		pancreatic		
siRNA-Vinblastine Run1-DMSO	36	PNLIP	lipase	2.166004	Inlier
siRNA Disorazole DMSO Run2	NM_0009		pancreatic		
siRNA Disorazole DMSO Run2	36	PNLIP	lipase	2.265968	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0062		pancreatic lipase-related		
siRNA-Temozolomide Run3-DMSO	29	PNLIPRP1	protein 1	-3.917493	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0062		pancreatic lipase-related		
siRNA-Temozolomide Run2-DMSO	29	PNLIPRP1	protein 1	-0.590919	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0062		pancreatic lipase-related		
siRNA-Temozolomide Run1-DMSO	29	PNLIPRP1	protein 1	-0.058911	Inlier
siRNA Disorazole DMSO Run3	NM_0062		pancreatic lipase-related		
siRNA Disorazole DMSO Run3	29	PNLIPRP1	protein 1	-0.048341	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0062		pancreatic lipase-related		
siRNA-Vinblastine Run2-DMSO	29	PNLIPRP1	protein 1	0.048342	Inlier
siRNA Disorazole DMSO Run1	NM_0062		pancreatic lipase-related		
siRNA Disorazole DMSO Run1	29	PNLIPRP1	protein 1	0.75808	Inlier
siRNA Disorazole DMSO Run2	NM_0062		pancreatic lipase-related		
siRNA Disorazole DMSO Run2	29	PNLIPRP1	protein 1	1.566471	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0062		pancreatic lipase-related		
siRNA-Vinblastine Run1-DMSO	29	PNLIPRP1	protein 1	2.124102	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0053		pancreatic lipase-related		
siRNA-Temozolomide Run3-DMSO	96	PNLIPRP2	protein 2	-1.990328	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0053 96	PNLIPRP2	pancreatic lipase-related protein 2	-1.051695	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0053 96	PNLIPRP2	pancreatic lipase-related protein 2	-0.511349	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0053 96	PNLIPRP2	pancreatic lipase-related protein 2	-0.094197	Inlier
siRNA Disorazole DMSO Run3	NM_0053 96	PNLIPRP2	pancreatic lipase-related protein 2	0.094198	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0053 96	PNLIPRP2	pancreatic lipase-related protein 2	0.288206	Inlier
siRNA Disorazole DMSO Run2	NM_0053 96	PNLIPRP2	pancreatic lipase-related protein 2	0.837651	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0053 96	PNLIPRP2	pancreatic lipase-related protein 2	1.173622	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0026 86	PNMT	phenylethanolamine N-methyltransferase	-3.123416	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0026 86	PNMT	phenylethanolamine N-methyltransferase	-1.068248	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0026 86	PNMT	phenylethanolamine N-methyltransferase	-0.270994	Inlier
siRNA Disorazole DMSO Run2	NM_0026 86	PNMT	phenylethanolamine N-methyltransferase	-0.006352	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0026 86	PNMT	phenylethanolamine N-methyltransferase	0.006352	Inlier
siRNA Disorazole DMSO Run3	NM_0026 86	PNMT	phenylethanolamine N-methyltransferase	0.432651	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0026 86	PNMT	phenylethanolamine N-methyltransferase	0.916349	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0026 86	PNMT	phenylethanolamine N-methyltransferase	2.858104	Inlier
siRNA Disorazole DMSO Run3	NM_1736 76	PNPLA1	patatin-like phospholipase domain containing 1	-1.10506	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1736 76	PNPLA1	patatin-like phospholipase domain containing 1	-0.970939	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1736 76	PNPLA1	patatin-like phospholipase domain containing 1	-0.270525	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1736 76	PNPLA1	patatin-like phospholipase domain containing 1	-0.06535	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1736 76	PNPLA1	patatin-like phospholip ase domain containing 1	0.06535	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1736 76	PNPLA1	patatin-like phospholip ase domain containing 1	0.378061	Inlier
siRNA Disorazole DMSO Run2	NM_1736 76	PNPLA1	patatin-like phospholip ase domain containing 1	1.836937	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1736 76	PNPLA1	patatin-like phospholip ase domain containing 1	2.299748	Inlier
siRNA Disorazole DMSO Run1	NM_0181 29	PNPO	pyridoxine 5- phosphate oxidase	-0.949532	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0181 29	PNPO	pyridoxine 5- phosphate oxidase	-0.905519	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0181 29	PNPO	pyridoxine 5- phosphate oxidase	-0.738491	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0181 29	PNPO	pyridoxine 5- phosphate oxidase	-0.347191	Inlier
siRNA Disorazole DMSO Run3	NM_0181 29	PNPO	pyridoxine 5- phosphate oxidase	0.347192	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0181 29	PNPO	pyridoxine 5- phosphate oxidase	0.406005	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Gene	Value	Outlier
siRNA-Vinblastine Run1-DMSO	NM_0181	29	PNPO	pyridoxine 5-phosphate oxidase	0.610509 Inlier
siRNA Disorazole DMSO Run2	NM_0181	29	PNPO	pyridoxine 5-phosphate oxidase	1.53238 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0331	09	PNPT1	polyribonucleotide nucleotidyl transferase 1	-2.738008 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0331	09	PNPT1	polyribonucleotide nucleotidyl transferase 1	-0.801809 Inlier
siRNA Disorazole DMSO Run3	NM_0331	09	PNPT1	polyribonucleotide nucleotidyl transferase 1	-0.228189 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0331	09	PNPT1	polyribonucleotide nucleotidyl transferase 1	-0.127282 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0331	09	PNPT1	polyribonucleotide nucleotidyl transferase 1	0.127282 Inlier
siRNA Disorazole DMSO Run1	NM_0331	09	PNPT1	polyribonucleotide nucleotidyl transferase 1	0.547191 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0331	09	PNPT1	polyribonucleotide nucleotidyl transferase 1	0.928769 Inlier
siRNA Disorazole DMSO Run2	NM_0331	09	PNPT1	polyribonucleotide nucleotidyl transferase 1	1.358791 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0039 67	PNR	trace amine associated receptor 5	-3.081089	Inlier
siRNA Disorazole DMSO Run2	NM_0039 67	PNR	trace amine associated receptor 5	-2.50936	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0039 67	PNR	trace amine associated receptor 5	-0.283811	Inlier
siRNA Disorazole DMSO Run1	NM_0039 67	PNR	trace amine associated receptor 5	-0.096072	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0039 67	PNR	trace amine associated receptor 5	0.096073	Inlier
siRNA Disorazole DMSO Run3	NM_0039 67	PNR	trace amine associated receptor 5	0.324878	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0039 67	PNR	trace amine associated receptor 5	1.024122	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0039 67	PNR	trace amine associated receptor 5	1.639277	Inlier
siRNA Disorazole DMSO Run3	NM_1722 36	POFUT1	protein O- fucosyltran sferase 1	-1.037923	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1722 36	POFUT1	protein O- fucosyltran sferase 1	-0.452332	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1722 36	POFUT1	protein O- fucosyltran sferase 1	-0.451134	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1722 36	POFUT1	protein O-fucosyltransferase 1	-0.398767	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1722 36	POFUT1	protein O-fucosyltransferase 1	0.398767	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1722 36	POFUT1	protein O-fucosyltransferase 1	0.896668	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1722 36	POFUT1	protein O-fucosyltransferase 1	4.19902	Outlier
siRNA Disorazole DMSO Run2	NM_1722 36	POFUT1	protein O-fucosyltransferase 1	4.483842	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0169 37	POLA	polymerase (DNA directed), alpha	-1.082004	Inlier
siRNA Disorazole DMSO Run3	NM_0169 37	POLA	polymerase (DNA directed), alpha	-0.266996	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0169 37	POLA	polymerase (DNA directed), alpha	-0.145168	Inlier
siRNA Disorazole DMSO Run1	NM_0169 37	POLA	polymerase (DNA directed), alpha	-0.139686	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0169 37	POLA	polymerase (DNA directed), alpha	0.139686	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0169 37	POLA	polymerase (DNA directed), alpha	2.932343	Inlier
siRNA Disorazole DMSO Run2	NM_0169 37	POLA	polymerase (DNA directed), alpha	4.35557	Outlier
siRNA-Vinblastine Run1-DMSO	NM_0169 37	POLA	polymerase (DNA directed), alpha	6.941393	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_002689	POLA2	polymerase (DNA directed), alpha 2 (70kD subunit)	-1.204289	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002689	POLA2	polymerase (DNA directed), alpha 2 (70kD subunit)	-1.085034	Inlier
siRNA Disorazole DMSO Run3	NM_002689	POLA2	polymerase (DNA directed), alpha 2 (70kD subunit)	-0.788319	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002689	POLA2	polymerase (DNA directed), alpha 2 (70kD subunit)	-0.197622	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002689	POLA2	polymerase (DNA directed), alpha 2 (70kD subunit)	0.197622	Inlier
siRNA Disorazole DMSO Run1	NM_002689	POLA2	polymerase (DNA directed), alpha 2 (70kD subunit)	0.509812	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002689	POLA2	polymerase (DNA directed), alpha 2 (70kD subunit)	0.560681	Inlier
siRNA Disorazole DMSO Run2	NM_002689	POLA2	polymerase (DNA directed), alpha 2 (70kD subunit)	0.903525	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002690	POLB	beta	-1.726533	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0026 90	POLB	polymerase (DNA directed), beta	-0.311445	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0026 90	POLB	polymerase (DNA directed), beta	-0.172712	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0026 90	POLB	polymerase (DNA directed), beta	-0.024983	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0026 90	POLB	polymerase (DNA directed), beta	0.024983	Inlier
siRNA Disorazole DMSO Run2	NM_0026 90	POLB	polymerase (DNA directed), beta	1.037555	Inlier
siRNA Disorazole DMSO Run3	NM_0026 90	POLB	polymerase (DNA directed), beta	1.551487	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0026 90	POLB	polymerase (DNA directed), beta	3.52092	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0026 91	POLD1	polymerase (DNA directed), delta 1, catalytic subunit 125kDa	-1.460125	Inlier
siRNA Disorazole DMSO Run1	NM_0026 91	POLD1	polymerase (DNA directed), delta 1, catalytic subunit 125kDa	-0.6599	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0026 91	POLD1	polymerase (DNA directed), delta 1, catalytic subunit 125kDa	-0.308583	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0026 91	POLD1	polymerase (DNA directed), delta 1, catalytic subunit 125kDa	-0.257935	Inlier
siRNA Disorazole DMSO Run3	NM_0026 91	POLD1	polymerase (DNA directed), delta 1, catalytic subunit 125kDa	0.257935	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0026 91	POLD1	polymerase (DNA directed), delta 1, catalytic subunit 125kDa	0.6891	Inlier
siRNA Disorazole DMSO Run2	NM_0026 91	POLD1	polymerase (DNA directed), delta 1, catalytic subunit 125kDa	1.469409	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0026 91	POLD1	polymerase (DNA directed), delta 2, regulatory subunit 125kDa	2.699878	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0062 30	POLD2	polymerase (DNA directed), delta 2, regulatory subunit 50kDa	-1.336618	Inlier
siRNA Disorazole DMSO Run1	NM_0062 30	POLD2	polymerase (DNA directed), delta 2, regulatory subunit 50kDa	-0.749552	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0062 30	POLD2	polymerase (DNA directed), delta 2, regulatory subunit 50kDa	-0.599448	Inlier
siRNA Disorazole DMSO Run3	NM_0062 30	POLD2	polymerase (DNA directed), delta 2, regulatory subunit 50kDa	-0.142037	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0062 30	POLD2	polymerase (DNA directed), delta 2, regulatory subunit 50kDa	0.142038	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0062 30	POLD2	polymerase (DNA directed), delta 2, regulatory subunit 50kDa	0.162344	Inlier
siRNA Disorazole DMSO Run2	NM_0062 30	POLD2	polymerase (DNA directed), delta 2, regulatory subunit 50kDa	1.458344	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0062 30	POLD2	polymerase (DNA-directed), delta 3, accessory subunit 50kDa	2.281403	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0065 91	POLD3	accessory subunit	-0.975095	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0065 91	POLD3	polymerase (DNA-directed), delta 3, accessory subunit	-0.809053	Inlier
siRNA Disorazole DMSO Run3	NM_0065 91	POLD3	polymerase (DNA-directed), delta 3, accessory subunit	-0.539947	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0065 91	POLD3	polymerase (DNA-directed), delta 3, accessory subunit	-0.023198	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0065 91	POLD3	polymerase (DNA-directed), delta 3, accessory subunit	0.023198	Inlier
siRNA Disorazole DMSO Run1	NM_0065 91	POLD3	polymerase (DNA-directed), delta 3, accessory subunit	0.189498	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0065 91	POLD3	polymerase (DNA-directed), delta 3, accessory subunit	1.523224	Inlier
siRNA Disorazole DMSO Run2	NM_0065 91	POLD3	polymerase (DNA-directed), delta 3, accessory subunit	2.000385	Inlier
siRNA Disorazole DMSO Run1	NM_0211 73	POLD4	polymerase (DNA-directed), delta 4	-1.678078	Inlier
siRNA Disorazole DMSO Run3	NM_0211 73	POLD4	polymerase (DNA-directed), delta 4	-1.053041	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Delta 4	Outlier Status
siRNA-Temozolomide Run1-DMSO	NM_021173	POLD4	polymerase (DNA-directed), delta 4	-0.29596 Inlier
siRNA-Vinblastine Run2-DMSO	NM_021173	POLD4	polymerase (DNA-directed), delta 4	-0.127555 Inlier
siRNA Disorazole DMSO Run2	NM_021173	POLD4	polymerase (DNA-directed), delta 4	0.127557 Inlier
siRNA-Temozolomide Run2-DMSO	NM_021173	POLD4	polymerase (DNA-directed), delta 4	0.221635 Inlier
siRNA-Temozolomide Run3-DMSO	NM_021173	POLD4	polymerase (DNA-directed), delta 4	1.76124 Inlier
siRNA-Vinblastine Run1-DMSO	NM_021173	POLD4	polymerase (DNA-directed), delta 4	2.01407 Inlier
siRNA-Temozolomide Run2-DMSO	NM_006231	POLE	polymerase (DNA directed), epsilon	-4.204149 Outlier
siRNA-Temozolomide Run1-DMSO	NM_006231	POLE	polymerase (DNA directed), epsilon	-0.724074 Inlier
siRNA Disorazole DMSO Run1	NM_006231	POLE	polymerase (DNA directed), epsilon	-0.624926 Inlier
siRNA Disorazole DMSO Run3	NM_006231	POLE	polymerase (DNA directed), epsilon	-0.06554 Inlier
siRNA-Vinblastine Run2-DMSO	NM_006231	POLE	polymerase (DNA directed), epsilon	0.06554 Inlier
siRNA-Temozolomide Run3-DMSO	NM_006231	POLE	polymerase (DNA directed), epsilon	0.467405 Inlier
siRNA Disorazole DMSO Run2	NM_006231	POLE	polymerase (DNA directed), epsilon	3.134213 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_006231	POLE	polymerase (DNA directed), epsilon	4.927405	Outlier
siRNA-Temozolomide Run3-DMSO	NM_002692	POLE2	polymerase (DNA directed), epsilon 2 (p59 subunit)	-1.357104	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002692	POLE2	polymerase (DNA directed), epsilon 2 (p59 subunit)	-0.970367	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002692	POLE2	polymerase (DNA directed), epsilon 2 (p59 subunit)	-0.244984	Inlier
siRNA Disorazole DMSO Run3	NM_002692	POLE2	polymerase (DNA directed), epsilon 2 (p59 subunit)	-0.137061	Inlier
siRNA Disorazole DMSO Run1	NM_002692	POLE2	polymerase (DNA directed), epsilon 2 (p59 subunit)	0.137061	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002692	POLE2	polymerase (DNA directed), epsilon 2 (p59 subunit)	0.378633	Inlier
siRNA Disorazole DMSO Run2	NM_002692	POLE2	polymerase (DNA directed), epsilon 2 (p59 subunit)	1.770973	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002692	POLE2	polymerase (DNA directed), epsilon 2 (p59 subunit)	1.833706	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Symbol	Log Fold Change	Classification
siRNA-Temozolomide Run2-DMSO	NM_0174	43	POLE3	-1.209301	Inlier
siRNA Disorazole DMSO Run1	NM_0174	43	POLE3	-0.758487	Inlier
siRNA Disorazole DMSO Run3	NM_0174	43	POLE3	-0.20387	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0174	43	POLE3	-0.141135	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0174	43	POLE3	0.141135	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0174	43	POLE3	0.590513	Inlier
siRNA Disorazole DMSO Run2	NM_0174	43	POLE3	4.436752	Outlier
siRNA-Vinblastine Run1-DMSO	NM_0174	43	POLE3	4.837168	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0198 96	POLE4	polymerase (DNA-directed), epsilon 4 (p12 subunit)	-0.983344	Inlier
siRNA Disorazole DMSO Run3	NM_0198 96	POLE4	polymerase (DNA-directed), epsilon 4 (p12 subunit)	-0.819747	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0198 96	POLE4	polymerase (DNA-directed), epsilon 4 (p12 subunit)	-0.346472	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0198 96	POLE4	polymerase (DNA-directed), epsilon 4 (p12 subunit)	-0.063789	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0198 96	POLE4	polymerase (DNA-directed), epsilon 4 (p12 subunit)	0.063788	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0198 96	POLE4	polymerase (DNA-directed), epsilon 4 (p12 subunit)	0.529253	Inlier
siRNA Disorazole DMSO Run2	NM_0198 96	POLE4	polymerase (DNA-directed), epsilon 4 (p12 subunit)	1.486244	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0198 96	POLE4	polymerase (DNA-directed), epsilon 4 (p12 subunit)	5.140892	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0026 93	POLG	gamma	-1.614765	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0026 93	POLG	polymerase (DNA directed), gamma	-0.837799	Inlier
siRNA Disorazole DMSO Run1	NM_0026 93	POLG	polymerase (DNA directed), gamma	-0.511201	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0026 93	POLG	polymerase (DNA directed), gamma	-0.074377	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0026 93	POLG	polymerase (DNA directed), gamma	0.074377	Inlier
siRNA Disorazole DMSO Run3	NM_0026 93	POLG	polymerase (DNA directed), gamma	0.122874	Inlier
siRNA Disorazole DMSO Run2	NM_0026 93	POLG	polymerase (DNA directed), gamma	1.531145	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0026 93	POLG	polymerase (DNA directed), gamma	2.105443	Inlier
siRNA Disorazole DMSO Run3	NM_0072 15	POLG2	gamma 2, accessory subunit polymerase (DNA directed), gamma 2,	-0.803264	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0072 15	POLG2	accessory subunit polymerase (DNA directed), gamma 2,	-0.706304	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0072 15	POLG2	accessory subunit polymerase (DNA directed), gamma 2,	-0.642696	Inlier
siRNA Disorazole DMSO Run1	NM_0072 15	POLG2	accessory subunit	-0.13039	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0072 15	POLG2	polymerase (DNA directed), gamma 2, accessory subunit	0.13039	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0072 15	POLG2	polymerase (DNA directed), gamma 2, accessory subunit	0.436834	Inlier
siRNA Disorazole DMSO Run2	NM_0072 15	POLG2	polymerase (DNA directed), gamma 2, accessory subunit	1.281965	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0072 15	POLG2	polymerase (DNA directed), gamma 2, accessory subunit	1.975766	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0065 02	POLH	polymerase (DNA directed), eta	-0.900532	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0065 02	POLH	polymerase (DNA directed), eta	-0.641805	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0065 02	POLH	polymerase (DNA directed), eta	-0.360044	Inlier
siRNA Disorazole DMSO Run3	NM_0065 02	POLH	polymerase (DNA directed), eta	-0.359493	Inlier
siRNA Disorazole DMSO Run1	NM_0065 02	POLH	polymerase (DNA directed), eta	0.359493	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0065 02	POLH	polymerase (DNA directed), eta	0.707195	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0065 02	POLH	polymerase (DNA directed), eta	1.753529	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0065 02	POLH	polymerase (DNA directed), eta	1.928432	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0071 95	POLI	polymerase (DNA directed) iota	-1.034926	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0071 95	POLI	polymerase (DNA directed) iota	-0.50952	Inlier
siRNA Disorazole DMSO Run3	NM_0071 95	POLI	polymerase (DNA directed) iota	-0.233469	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0071 95	POLI	polymerase (DNA directed) iota	-0.028405	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0071 95	POLI	polymerase (DNA directed) iota	0.028405	Inlier
siRNA Disorazole DMSO Run1	NM_0071 95	POLI	polymerase (DNA directed) iota	0.83948	Inlier
siRNA Disorazole DMSO Run2	NM_0071 95	POLI	polymerase (DNA directed) iota	0.898076	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0071 95	POLI	polymerase (DNA directed) iota	0.934345	Inlier
siRNA Disorazole DMSO Run1	NM_0162 18	POLK	polymerase (DNA directed) kappa	-0.969151	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0162 18	POLK	polymerase (DNA directed) kappa	-0.769238	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0162 18	POLK	polymerase (DNA directed) kappa	-0.363245	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0162 18	POLK	polymerase (DNA directed) kappa	-0.110797	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0162 18	POLK	polymerase (DNA directed) kappa	0.110796	Inlier
siRNA Disorazole DMSO Run3	NM_0162 18	POLK	polymerase (DNA directed) kappa	0.579762	Inlier
siRNA Disorazole DMSO Run2	NM_0162 18	POLK	polymerase (DNA directed) kappa	1.741961	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0162 18	POLK	polymerase (DNA directed) kappa	3.000549	Inlier
siRNA Disorazole DMSO Run1	NM_0132 74	POLL	polymerase (DNA directed), lambda	-1.450161	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0132 74	POLL	polymerase (DNA directed), lambda	-0.753002	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0132 74	POLL	polymerase (DNA directed), lambda	-0.157366	Inlier
siRNA Disorazole DMSO Run3	NM_0132 74	POLL	polymerase (DNA directed), lambda	-0.040612	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0132 74	POLL	polymerase (DNA directed), lambda	0.040613	Inlier
siRNA Disorazole DMSO Run2	NM_0132 74	POLL	polymerase (DNA directed), lambda	0.595998	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0132 74	POLL	polymerase (DNA directed), lambda	0.9012	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0132 74	POLL	polymerase (DNA directed), lambda	1.160132	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0132 84	POLM	polymerase (DNA directed), mu	-3.176308	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0132 84	POLM	polymerase (DNA directed), mu	-1.903349	Inlier
siRNA Disorazole DMSO Run3	NM_0132 84	POLM	polymerase (DNA directed), mu	-0.680642	Inlier
siRNA Disorazole DMSO Run2	NM_0132 84	POLM	polymerase (DNA directed), mu	-0.447641	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0132 84	POLM	polymerase (DNA directed), mu	0.447641	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0132 84	POLM	polymerase (DNA directed), mu	0.526074	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0132 84	POLM	polymerase (DNA directed), mu	0.668358	Inlier
siRNA Disorazole DMSO Run1	NM_0132 84	POLM	polymerase (DNA directed), mu	0.913222	Inlier
siRNA Disorazole DMSO Run1	NM_0065 96	POLQ	polymerase (DNA directed), theta	-0.997073	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0065 96	POLQ	polymerase (DNA directed), theta	-0.803393	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0065 96	POLQ	polymerase (DNA directed), theta	-0.478813	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0065 96	POLQ	polymerase (DNA directed), theta	-0.437202	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0065 96	POLQ	polymerase (DNA directed), theta	0.437202	Inlier
siRNA Disorazole DMSO Run3	NM_0065 96	POLQ	polymerase (DNA directed), theta	0.545607	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0065 96	POLQ	polymerase (DNA directed), theta	0.856651	Inlier
siRNA Disorazole DMSO Run2	NM_0065 96	POLQ	polymerase (DNA directed), theta	1.04788	Inlier
siRNA Disorazole DMSO Run1	NM_0154 25	POLR1A	polymerase (RNA) I polypeptide A, 194kDa	-0.704451	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0154 25	POLR1A	polymerase (RNA) I polypeptide A, 194kDa	-0.644549	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0154 25	POLR1A	polymerase (RNA) I polypeptide A, 194kDa	-0.594939	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0154 25	POLR1A	polymerase (RNA) I polypeptide A, 194kDa	-0.164927	Inlier
siRNA Disorazole DMSO Run3	NM_0154 25	POLR1A	polymerase (RNA) I polypeptide A, 194kDa	0.164925	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0154 25	POLR1A	polymerase (RNA) I polypeptide A, 194kDa	0.926966	Inlier
siRNA Disorazole DMSO Run2	NM_0154 25	POLR1A	polymerase (RNA) I polypeptide A, 194kDa	2.801419	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0154 25	POLR1A	polymerase (RNA) I polypeptide A, 194kDa	3.91873	Outlier
siRNA Disorazole DMSO Run1	NM_0048 75	POLR1C	polymerase (RNA) I polypeptide C, 30kDa	-1.040222	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0048 75	POLR1C	polymerase (RNA) I polypeptide C, 30kDa	-0.654498	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0048 75	POLR1C	polymerase (RNA) I polypeptide C, 30kDa	-0.634063	Inlier
siRNA Disorazole DMSO Run3	NM_0048 75	POLR1C	polymerase (RNA) I polypeptide C, 30kDa	-0.285997	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0048 75	POLR1C	polymerase (RNA) I polypeptide C, 30kDa	0.285996	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0048 75	POLR1C	polymerase (RNA) I polypeptide C, 30kDa	0.694502	Inlier
siRNA Disorazole DMSO Run2	NM_0048 75	POLR1C	polymerase (RNA) I polypeptide C, 30kDa	3.228249	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_004875	POLR1C	polymerase (RNA) I polypeptide C, 30kDa	3.328967	Inlier
siRNA Disorazole DMSO Run1	NM_015972	POLR1D	polymerase (RNA) I polypeptide D, 16kDa	-1.01009	Inlier
siRNA-Temozolomide Run2-DMSO	NM_015972	POLR1D	polymerase (RNA) I polypeptide D, 16kDa	-0.62568	Inlier
siRNA-Vinblastine Run2-DMSO	NM_015972	POLR1D	polymerase (RNA) I polypeptide D, 16kDa	-0.362484	Inlier
siRNA Disorazole DMSO Run3	NM_015972	POLR1D	polymerase (RNA) I polypeptide D, 16kDa	-0.119247	Inlier
siRNA-Temozolomide Run1-DMSO	NM_015972	POLR1D	polymerase (RNA) I polypeptide D, 16kDa	0.119246	Inlier
siRNA-Temozolomide Run3-DMSO	NM_015972	POLR1D	polymerase (RNA) I polypeptide D, 16kDa	0.72332	Inlier
siRNA-Vinblastine Run1-DMSO	NM_015972	POLR1D	polymerase (RNA) I polypeptide D, 16kDa	6.722705	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0159 72	POLR1D	polymerase (RNA) I polypeptide D, 16kDa	6.769031	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0009 37	POLR2A	polymerase (RNA) II (DNA directed) polypeptide A, 220kDa	-0.68581	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0009 37	POLR2A	polymerase (RNA) II (DNA directed) polypeptide A, 220kDa	-0.66319	Inlier
siRNA Disorazole DMSO Run3	NM_0009 37	POLR2A	polymerase (RNA) II (DNA directed) polypeptide A, 220kDa	-0.650083	Inlier
siRNA Disorazole DMSO Run1	NM_0009 37	POLR2A	polymerase (RNA) II (DNA directed) polypeptide A, 220kDa	-0.16181	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0009 37	POLR2A	polymerase (RNA) II (DNA directed) polypeptide A, 220kDa	0.16181	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0009 37	POLR2A	polymerase (RNA) II (DNA directed) polypeptide A, 220kDa	1.351641	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0009 37	POLR2A	polymerase (RNA) II (DNA directed) polypeptide A, 220kDa	4.085755	Outlier
siRNA-Vinblastine Run1-DMSO	NM_0009 37	POLR2A	polymerase (RNA) II (DNA directed) polypeptide A, 220kDa	4.944071	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0009 38	POLR2B	polymerase (RNA) II (DNA directed) polypeptide B, 140kDa	-1.370346	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0009 38	POLR2B	polymerase (RNA) II (DNA directed) polypeptide B, 140kDa	-0.870274	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0009 38	POLR2B	polymerase (RNA) II (DNA directed) polypeptide B, 140kDa	-0.068585	Inlier
siRNA Disorazole DMSO Run3	NM_0009 38	POLR2B	polymerase (RNA) II (DNA directed) polypeptide B, 140kDa	-0.031412	Inlier
siRNA Disorazole DMSO Run1	NM_0009 38	POLR2B	polymerase (RNA) II (DNA directed) polypeptide B, 140kDa	0.031412	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_000938	POLR2B	polymerase (RNA) II (DNA directed) polypeptide B, 140kDa	0.478726	Inlier
siRNA Disorazole DMSO Run2	NM_000938	POLR2B	polymerase (RNA) II (DNA directed) polypeptide B, 140kDa	3.206622	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000938	POLR2B	polymerase (RNA) II (DNA directed) polypeptide B, 140kDa	6.695687	Outlier
siRNA-Temozolomide Run2-DMSO	NM_002694	POLR2C	polymerase (RNA) II (DNA directed) polypeptide C, 33kDa	-0.834057	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002694	POLR2C	polymerase (RNA) II (DNA directed) polypeptide C, 33kDa	-0.514943	Inlier
siRNA Disorazole DMSO Run1	NM_002694	POLR2C	polymerase (RNA) II (DNA directed) polypeptide C, 33kDa	-0.415592	Inlier
siRNA Disorazole DMSO Run3	NM_002694	POLR2C	polymerase (RNA) II (DNA directed) polypeptide C, 33kDa	-0.012309	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_002694	POLR2C	polymerase (RNA) II (DNA directed) polypeptide C, 33kDa	0.012309	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002694	POLR2C	polymerase (RNA) II (DNA directed) polypeptide C, 33kDa	0.879095	Inlier
siRNA Disorazole DMSO Run2	NM_002694	POLR2C	polymerase (RNA) II (DNA directed) polypeptide C, 33kDa	1.581359	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002694	POLR2C	polymerase (RNA) II (DNA directed) polypeptide C, 33kDa	1.93957	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004805	POLR2D	polymerase (RNA) II (DNA directed) polypeptide D	-0.715814	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004805	POLR2D	polymerase (RNA) II (DNA directed) polypeptide D	-0.633186	Inlier
siRNA Disorazole DMSO Run1	NM_004805	POLR2D	polymerase (RNA) II (DNA directed) polypeptide D	-0.231976	Inlier
siRNA Disorazole DMSO Run3	NM_004805	POLR2D	polymerase (RNA) II (DNA directed) polypeptide D	-0.112342	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_004805	POLR2D	polymerase (RNA) II (DNA directed) polypeptide D	0.112342	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004805	POLR2D	polymerase (RNA) II (DNA directed) polypeptide D	0.960466	Inlier
siRNA Disorazole DMSO Run2	NM_004805	POLR2D	polymerase (RNA) II (DNA directed) polypeptide D	6.902347	Outlier
siRNA-Vinblastine Run1-DMSO	NM_004805	POLR2D	polymerase (RNA) II (DNA directed) polypeptide D	7.063977	Outlier
siRNA-Temozolomide Run2-DMSO	NM_002695	POLR2E	polymerase (RNA) II (DNA directed) polypeptide E, 25kDa	-0.797103	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002695	POLR2E	polymerase (RNA) II (DNA directed) polypeptide E, 25kDa	-0.742721	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002695	POLR2E	polymerase (RNA) II (DNA directed) polypeptide E, 25kDa	-0.1598	Inlier
siRNA Disorazole DMSO Run3	NM_002695	POLR2E	polymerase (RNA) II (DNA directed) polypeptide E, 25kDa	-0.055193	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0026 95	POLR2E	polymerase (RNA) II (DNA directed) polypeptide E, 25kDa	0.055193	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0026 95	POLR2E	polymerase (RNA) II (DNA directed) polypeptide E, 25kDa	0.606279	Inlier
siRNA Disorazole DMSO Run2	NM_0026 95	POLR2E	polymerase (RNA) II (DNA directed) polypeptide E, 25kDa	1.955152	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0026 95	POLR2E	polymerase (RNA) II (DNA directed) polypeptide E, 25kDa	2.741952	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0219 74	POLR2F	polymerase (RNA) II (DNA directed) polypeptide F	-0.679367	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0219 74	POLR2F	polymerase (RNA) II (DNA directed) polypeptide F	-0.669633	Inlier
siRNA Disorazole DMSO Run3	NM_0219 74	POLR2F	polymerase (RNA) II (DNA directed) polypeptide F	-0.243341	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0219 74	POLR2F	polymerase (RNA) II (DNA directed) polypeptide F	-0.085207	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0219 74	POLR2F	polymerase (RNA) II (DNA directed) polypeptide F	0.085207	Inlier
siRNA Disorazole DMSO Run1	NM_0219 74	POLR2F	polymerase (RNA) II (DNA directed) polypeptide F	2.168807	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0219 74	POLR2F	polymerase (RNA) II (DNA directed) polypeptide F	19.42047	Outlier
siRNA Disorazole DMSO Run2	NM_0219 74	POLR2F	polymerase (RNA) II (DNA directed) polypeptide F	19.65567	Outlier
siRNA-Temozolomide Run1-DMSO	NM_0026 96	POLR2G	polymerase (RNA) II (DNA directed) polypeptide G	-0.796863	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0026 96	POLR2G	polymerase (RNA) II (DNA directed) polypeptide G	-0.559771	Inlier
siRNA Disorazole DMSO Run3	NM_0026 96	POLR2G	polymerase (RNA) II (DNA directed) polypeptide G	-0.178973	Inlier
siRNA Disorazole DMSO Run1	NM_0026 96	POLR2G	polymerase (RNA) II (DNA directed) polypeptide G	-0.056062	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_002696	POLR2G	polymerase (RNA) II (DNA directed) polypeptide G	0.056062	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002696	POLR2G	polymerase (RNA) II (DNA directed) polypeptide G	0.789229	Inlier
siRNA Disorazole DMSO Run2	NM_002696	POLR2G	polymerase (RNA) II (DNA directed) polypeptide G	2.659478	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002696	POLR2G	polymerase (RNA) II (DNA directed) polypeptide G	4.279407	Outlier
siRNA-Temozolomide Run2-DMSO	NM_006232	POLR2H	polymerase (RNA) II (DNA directed) polypeptide H	-1.148533	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006232	POLR2H	polymerase (RNA) II (DNA directed) polypeptide H	-0.794233	Inlier
siRNA Disorazole DMSO Run1	NM_006232	POLR2H	polymerase (RNA) II (DNA directed) polypeptide H	-0.720779	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006232	POLR2H	polymerase (RNA) II (DNA directed) polypeptide H	-0.145903	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_006232	POLR2H	polymerase (RNA) II (DNA directed) polypeptide H	0.145903	Inlier
siRNA Disorazole DMSO Run3	NM_006232	POLR2H	polymerase (RNA) II (DNA directed) polypeptide H	0.367633	Inlier
siRNA Disorazole DMSO Run2	NM_006232	POLR2H	polymerase (RNA) II (DNA directed) polypeptide H	0.628221	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006232	POLR2H	polymerase (RNA) II (DNA directed) polypeptide H	1.174999	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006233	POLR2I	polymerase (RNA) II (DNA directed) polypeptide I, 14.5kDa	-1.318099	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006233	POLR2I	polymerase (RNA) II (DNA directed) polypeptide I, 14.5kDa	-0.698631	Inlier
siRNA Disorazole DMSO Run1	NM_006233	POLR2I	polymerase (RNA) II (DNA directed) polypeptide I, 14.5kDa	-0.650369	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006233	POLR2I	polymerase (RNA) II (DNA directed) polypeptide I, 14.5kDa	-0.296837	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0062 33	POLR2I	polymerase (RNA) II (DNA directed) polypeptide I, 14.5kDa	0.296838	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0062 33	POLR2I	polymerase (RNA) II (DNA directed) polypeptide I, 14.5kDa	0.425685	Inlier
siRNA Disorazole DMSO Run2	NM_0062 33	POLR2I	polymerase (RNA) II (DNA directed) polypeptide I, 14.5kDa	2.828026	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0062 33	POLR2I	polymerase (RNA) II (DNA directed) polypeptide I, 14.5kDa	2.998677	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0062 34	POLR2J	polymerase (RNA) II (DNA directed) polypeptide J, 13.3kDa	-0.913249	Inlier
siRNA Disorazole DMSO Run1	NM_0062 34	POLR2J	polymerase (RNA) II (DNA directed) polypeptide J, 13.3kDa	-0.712391	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0062 34	POLR2J	polymerase (RNA) II (DNA directed) polypeptide J, 13.3kDa	-0.670861	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0062 34	POLR2J	polymerase (RNA) II (DNA directed) polypeptide J, 13.3kDa	-0.436597	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0062 34	POLR2J	polymerase (RNA) II (DNA directed) polypeptide J, 13.3kDa	0.436597	Inlier
siRNA Disorazole DMSO Run2	NM_0062 34	POLR2J	polymerase (RNA) II (DNA directed) polypeptide J, 13.3kDa	0.648196	Inlier
siRNA Disorazole DMSO Run3	NM_0062 34	POLR2J	polymerase (RNA) II (DNA directed) polypeptide J, 13.3kDa	0.678139	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0062 34	POLR2J	polymerase (RNA) II (DNA directed) polypeptide J, 13.3kDa	0.959686	Inlier
siRNA Disorazole DMSO Run1	NM_0050 34	POLR2K	polymerase (RNA) II (DNA directed) polypeptide K, 7.0kDa	-0.872436	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0050 34	POLR2K	polymerase (RNA) II (DNA directed) polypeptide K, 7.0kDa	-0.476564	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_005034	POLR2K	polymerase (RNA) II (DNA directed) polypeptide K, 7.0kDa	-0.192165	Inlier
siRNA Disorazole DMSO Run3	NM_005034	POLR2K	polymerase (RNA) II (DNA directed) polypeptide K, 7.0kDa	-0.115239	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005034	POLR2K	polymerase (RNA) II (DNA directed) polypeptide K, 7.0kDa	0.115239	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005034	POLR2K	polymerase (RNA) II (DNA directed) polypeptide K, 7.0kDa	1.369744	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005034	POLR2K	polymerase (RNA) II (DNA directed) polypeptide K, 7.0kDa	6.034625	Outlier
siRNA Disorazole DMSO Run2	NM_005034	POLR2K	polymerase (RNA) II (DNA directed) polypeptide K, 7.0kDa	6.282773	Outlier
siRNA-Temozolomide Run1-DMSO	NM_021128	POLR2L	polymerase (RNA) II (DNA directed) polypeptide L, 7.6kDa	-0.811896	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Name	Protein Weight	Log Fold Change	Category
siRNA Disorazole DMSO Run1	POLR2L	NM_021128	polymerase (RNA) II (DNA directed) polypeptide L,	7.6kDa	-0.779938	Inlier
siRNA-Temozolomide Run2-DMSO	POLR2L	NM_021128	polymerase (RNA) II (DNA directed) polypeptide L,	7.6kDa	-0.296957	Inlier
siRNA-Temozolomide Run3-DMSO	POLR2L	NM_021128	polymerase (RNA) II (DNA directed) polypeptide L,	7.6kDa	-0.166016	Inlier
siRNA Disorazole DMSO Run3	POLR2L	NM_021128	polymerase (RNA) II (DNA directed) polypeptide L,	7.6kDa	0.166017	Inlier
siRNA-Vinblastine Run2-DMSO	POLR2L	NM_021128	polymerase (RNA) II (DNA directed) polypeptide L,	7.6kDa	0.569062	Inlier
siRNA Disorazole DMSO Run2	POLR2L	NM_021128	polymerase (RNA) II (DNA directed) polypeptide L,	7.6kDa	1.449707	Inlier
siRNA-Vinblastine Run1-DMSO	POLR2L	NM_021128	polymerase (RNA) II (DNA directed) polypeptide L,	7.6kDa	1.834424	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_006467	POLR3G	polymerase (RNA) III (DNA directed) polypeptide G (32kD)	-1.21784	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006467	POLR3G	polymerase (RNA) III (DNA directed) polypeptide G (32kD)	-0.688291	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006467	POLR3G	polymerase (RNA) III (DNA directed) polypeptide G (32kD)	-0.323822	Inlier
siRNA Disorazole DMSO Run3	NM_006467	POLR3G	polymerase (RNA) III (DNA directed) polypeptide G (32kD)	-0.241311	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006467	POLR3G	polymerase (RNA) III (DNA directed) polypeptide G (32kD)	0.241311	Inlier
siRNA Disorazole DMSO Run1	NM_006467	POLR3G	polymerase (RNA) III (DNA directed) polypeptide G (32kD)	0.660709	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006467	POLR3G	polymerase (RNA) III (DNA directed) polypeptide G (32kD)	1.56169	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0064 67	POLR3G	polymerase (RNA) III (DNA directed) polypeptide G (32kD)	2.146574	Inlier
siRNA Disorazole DMSO Run1	NM_0163 10	POLR3K	polymerase (RNA) III (DNA directed) polypeptide K, 12.3 kDa	-4.685278	Outlier
siRNA-Temozolomide Run1-DMSO	NM_0163 10	POLR3K	polymerase (RNA) III (DNA directed) polypeptide K, 12.3 kDa	-1.102023	Inlier
siRNA Disorazole DMSO Run3	NM_0163 10	POLR3K	polymerase (RNA) III (DNA directed) polypeptide K, 12.3 kDa	-0.653394	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0163 10	POLR3K	polymerase (RNA) III (DNA directed) polypeptide K, 12.3 kDa	-0.060525	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0163 10	POLR3K	polymerase (RNA) III (DNA directed) polypeptide K, 12.3 kDa	0.060523	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0163 10	POLR3K	polymerase (RNA) III (DNA directed) polypeptide K, 12.3 kDa	0.095431	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Weight (kDa)	Score	Category
siRNA Disorazole DMSO Run2	NM_0163 10	POLR3K	polymerase (RNA) III (DNA directed) polypeptide K, 12.3	0.695606	Inlier	
siRNA-Vinblastine Run1-DMSO	NM_0163 10	POLR3K	polymerase (RNA) III (DNA directed) polypeptide K, 12.3	2.400395	Inlier	
siRNA Disorazole DMSO Run1	NM_0050 35	POLRMT	polymerase (RNA) mitochondrial (DNA directed)	-4.108855	Outlier	
siRNA-Temozolomide Run3-DMSO	NM_0050 35	POLRMT	polymerase (RNA) mitochondrial (DNA directed)	-0.638681	Inlier	
siRNA-Temozolomide Run2-DMSO	NM_0050 35	POLRMT	polymerase (RNA) mitochondrial (DNA directed)	-0.515497	Inlier	
siRNA-Temozolomide Run1-DMSO	NM_0050 35	POLRMT	polymerase (RNA) mitochondrial (DNA directed)	-0.434844	Inlier	
siRNA Disorazole DMSO Run3	NM_0050 35	POLRMT	polymerase (RNA) mitochondrial (DNA directed)	0.434844	Inlier	
siRNA Disorazole DMSO Run2	NM_0050 35	POLRMT	polymerase (RNA) mitochondrial (DNA directed)	0.710319	Inlier	
siRNA-Vinblastine Run2-DMSO	NM_0050 35	POLRMT	polymerase (RNA) mitochondrial (DNA directed)	1.090611	Inlier	

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log2 Fold Change	Outlier Status
siRNA-Vinblastine Run1-DMSO	NM_005035	POLRMT	polymerase (RNA mitochondrial (DNA directed)	1.493732	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006999	POLS	polymerase (DNA directed) sigma	-1.769006	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006999	POLS	polymerase (DNA directed) sigma	-1.087542	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006999	POLS	polymerase (DNA directed) sigma	-0.987651	Inlier
siRNA Disorazole DMSO Run3	NM_006999	POLS	polymerase (DNA directed) sigma	-0.014002	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006999	POLS	polymerase (DNA directed) sigma	0.014002	Inlier
siRNA Disorazole DMSO Run1	NM_006999	POLS	polymerase (DNA directed) sigma	0.208315	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006999	POLS	polymerase (DNA directed) sigma	0.450472	Inlier
siRNA Disorazole DMSO Run2	NM_006999	POLS	polymerase (DNA directed) sigma	0.898528	Inlier
siRNA Disorazole DMSO Run3	NM_007171	POMT1	protein-O-mannosyltransferase 1	-0.828048	Inlier
siRNA-Temozolomide Run2-DMSO	NM_007171	POMT1	protein-O-mannosyltransferase 1	-0.520952	Inlier
siRNA-Vinblastine Run2-DMSO	NM_007171	POMT1	protein-O-mannosyltransferase 1	-0.157765	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein	Value	Category
siRNA-Temozolomide Run3-DMSO	NM_0071 71	POMT1	protein-O-mannosyltransferase 1	-0.049011	Inlier
siRNA Disorazole DMSO Run1	NM_0071 71	POMT1	protein-O-mannosyltransferase 1	0.049012	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0071 71	POMT1	protein-O-mannosyltransferase 1	0.856048	Inlier
siRNA Disorazole DMSO Run2	NM_0071 71	POMT1	protein-O-mannosyltransferase 1	5.290807	Outlier
siRNA-Vinblastine Run1-DMSO	NM_0071 71	POMT1	protein-O-mannosyltransferase 1	5.794102	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0133 82	POMT2	protein-O-mannosyltransferase 2	-0.934371	Inlier
siRNA Disorazole DMSO Run3	NM_0133 82	POMT2	protein-O-mannosyltransferase 2	-0.795805	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0133 82	POMT2	protein-O-mannosyltransferase 2	-0.553195	Inlier
siRNA Disorazole DMSO Run1	NM_0133 82	POMT2	protein-O-mannosyltransferase 2	-0.220864	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0133 82	POMT2	protein-O-mannosyltransferase 2	0.220863	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0133 82	POMT2	protein-O-mannosyltransferase 2	0.352206	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0133 82	POMT2	protein-O-mannosyltransferase 2	2.639186	Inlier
siRNA Disorazole DMSO Run2	NM_0133 82	POMT2	protein-O-mannosyltransferase 2	2.824051	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Temozolomide Run1-DMSO	NM_0004 46	PON1	paraoxona se 1	-1.478849	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0004 46	PON1	paraoxona se 1	-0.710845	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0004 46	PON1	paraoxona se 1	-0.638155	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0004 46	PON1	paraoxona se 1	-0.015346	Inlier
siRNA Disorazole DMSO Run1	NM_0004 46	PON1	paraoxona se 1	0.015347	Inlier
siRNA Disorazole DMSO Run3	NM_0004 46	PON1	paraoxona se 1	0.335691	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0004 46	PON1	paraoxona se 1	1.384315	Inlier
siRNA Disorazole DMSO Run2	NM_0004 46	PON1	paraoxona se 1	1.506145	Inlier
siRNA Disorazole DMSO Run3	NM_0003 05	PON2	paraoxona se 2	-0.73645	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0003 05	PON2	paraoxona se 2	-0.61255	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0003 05	PON2	paraoxona se 2	-0.329024	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0003 05	PON2	paraoxona se 2	-0.210993	Inlier
siRNA Disorazole DMSO Run1	NM_0003 05	PON2	paraoxona se 2	0.210993	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0003 05	PON2	paraoxona se 2	1.374505	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0003 05	PON2	paraoxona se 2	1.467072	Inlier
siRNA Disorazole DMSO Run2	NM_0003 05	PON2	paraoxona se 2	1.528159	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0009 40	PON3	paraoxona se 3	-0.913894	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0009 40	PON3	paraoxona se 3	-0.588721	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0009 40	PON3	paraoxona se 3	-0.2835	Inlier
siRNA Disorazole DMSO Run3	NM_0009 40	PON3	paraoxona se 3	-0.052389	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0009 40	PON3	paraoxona se 3	0.052389	Inlier
siRNA Disorazole DMSO Run1	NM_0009 40	PON3	paraoxona se 3	0.760279	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0009 40	PON3	paraoxona se 3	0.888094	Inlier
siRNA Disorazole DMSO Run2	NM_0009 40	PON3	paraoxona se 3	1.236675	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

				P450 (cytochrome) oxidoreductase	
siRNA Disorazole DMSO Run1	NM_0009 41	POR		P450 (cytochrome) oxidoreductase	-0.694221 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0009 41	POR		P450 (cytochrome) oxidoreductase	-0.654779 Inlier
siRNA Disorazole DMSO Run3	NM_0009 41	POR		P450 (cytochrome) oxidoreductase	-0.457437 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0009 41	POR		P450 (cytochrome) oxidoreductase	-0.01966 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0009 41	POR		P450 (cytochrome) oxidoreductase	0.01966 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0009 41	POR		P450 (cytochrome) oxidoreductase	0.856879 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0009 41	POR		P450 (cytochrome) oxidoreductase	1.015102 Inlier
siRNA Disorazole DMSO Run2	NM_0009 41	POR		oxidoreductase	2.78386 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0211 29	PP		pyrophosphatase (inorganic)	-0.728671 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0211 29	PP		pyrophosphatase (inorganic)	-0.623754 Inlier
siRNA Disorazole DMSO Run3	NM_0211 29	PP		pyrophosphatase (inorganic)	-0.495573 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0211 29	PP	pyrophosphatase (inorganic)	-0.357188	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0211 29	PP	pyrophosphatase (inorganic)	0.357188	Inlier
siRNA Disorazole DMSO Run1	NM_0211 29	PP	pyrophosphatase (inorganic)	0.725246	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0211 29	PP	pyrophosphatase (inorganic)	1.835637	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0211 29	PP	pyrophosphatase (inorganic)	1.953553	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0307 92	PP1665	glycerophosphodiester phosphodiesterase domain containing 5	-1.171266	Inlier
siRNA Disorazole DMSO Run2	NM_0307 92	PP1665	glycerophosphodiester phosphodiesterase domain containing 5	-0.740596	Inlier
siRNA Disorazole DMSO Run1	NM_0307 92	PP1665	glycerophosphodiester phosphodiesterase domain containing 5	-0.608404	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0307 92	PP1665	glycerophosphodiester phosphodiesterase domain containing 5	-0.034112	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			glycerophosphodiesterase domain containing	
siRNA-Vinblastine Run1-DMSO	NM_030792	PP1665	5	0.034114 Inlier
			glycerophosphodiesterase domain containing	
siRNA-Temozolomide Run3-DMSO	NM_030792	PP1665	5	0.151228 Inlier
			glycerophosphodiesterase domain containing	
siRNA-Temozolomide Run1-DMSO	NM_030792	PP1665	5	0.90118 Inlier
			glycerophosphodiesterase domain containing	
siRNA Disorazole DMSO Run3	NM_030792	PP1665	5	5.136657 Outlier
siRNA-Temozolomide Run2-DMSO	NM_201398	PP591	PP591	-1.17942 Inlier
siRNA-Temozolomide Run1-DMSO	NM_201398	PP591	PP591	-0.837378 Inlier
siRNA Disorazole DMSO Run1	NM_201398	PP591	PP591	-0.570477 Inlier
siRNA Disorazole DMSO Run3	NM_201398	PP591	PP591	-0.098056 Inlier
siRNA-Temozolomide Run3-DMSO	NM_201398	PP591	PP591	0.098057 Inlier
siRNA-Vinblastine Run2-DMSO	NM_201398	PP591	PP591	0.366479 Inlier
siRNA Disorazole DMSO Run2	NM_201398	PP591	PP591	0.778523 Inlier
siRNA-Vinblastine Run1-DMSO	NM_201398	PP591	PP591	1.014243 Inlier
siRNA Disorazole DMSO Run2	NM_176869	PPA2	PPA2	-1.694176 Inlier
siRNA-Temozolomide Run3-DMSO	NM_176869	PPA2	PPA2	-0.775857 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA-Temozolomide Run2- DMSO	NM_1768 69	PPA2	PPA2	-0.669678	Inlier
	NM_1768				
siRNA Disorazole DMSO Run3	69	PPA2	PPA2	-0.018944	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1768 69	PPA2	PPA2	0.018944	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1768 69	PPA2	PPA2	0.440668	Inlier
	NM_1768				
siRNA Disorazole DMSO Run1	69	PPA2	PPA2	0.679322	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1768 69	PPA2	PPA2	1.262035	Inlier
			phosphati dic acid phosphata se type 2A		
siRNA-Temozolomide Run2- DMSO	NM_0037 11	PPAP2A		-2.630793	Inlier
			phosphati dic acid phosphata se type 2A		
siRNA-Temozolomide Run3- DMSO	NM_0037 11	PPAP2A		-2.183084	Inlier
			phosphati dic acid phosphata se type 2A		
siRNA-Temozolomide Run1- DMSO	NM_0037 11	PPAP2A		-0.51586	Inlier
			phosphati dic acid phosphata se type 2A		
siRNA Disorazole DMSO Run3	NM_0037 11	PPAP2A		-0.206783	Inlier
			phosphati dic acid phosphata se type 2A		
siRNA-Vinblastine Run1- DMSO	NM_0037 11	PPAP2A		0.206782	Inlier
			phosphati dic acid phosphata se type 2A		
siRNA Disorazole DMSO Run2	NM_0037 11	PPAP2A		0.214753	Inlier
			phosphati dic acid phosphata se type 2A		
siRNA Disorazole DMSO Run1	NM_0037 11	PPAP2A		0.83314	Inlier
			phosphati dic acid phosphata se type 2A		
siRNA-Vinblastine Run2- DMSO	NM_0037 11	PPAP2A		1.047704	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_1774 14	PPAP2B	phosphatic acid phosphate type 2B	-0.706011	Inlier
siRNA Disorazole DMSO Run2	NM_1774 14	PPAP2B	phosphatic acid phosphate type 2B	-0.642989	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1774 14	PPAP2B	phosphatic acid phosphate type 2B	-0.608176	Inlier
siRNA Disorazole DMSO Run3	NM_1774 14	PPAP2B	phosphatic acid phosphate type 2B	-0.041263	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1774 14	PPAP2B	phosphatic acid phosphate type 2B	0.041263	Inlier
siRNA Disorazole DMSO Run1	NM_1774 14	PPAP2B	phosphatic acid phosphate type 2B	1.066833	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1774 14	PPAP2B	phosphatic acid phosphate type 2B	1.407809	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1774 14	PPAP2B	phosphatic acid phosphate type 2B	1.70852	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1775 26	PPAP2C	phosphatic acid phosphate type 2C	-1.512175	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1775 26	PPAP2C	phosphatic acid phosphate type 2C	-0.598988	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_1775 26	PPAP2C	phosphatic acid phosphate type 2C	-0.527244	Inlier
siRNA Disorazole DMSO Run2	NM_1775 26	PPAP2C	phosphatic acid phosphate type 2C	-0.031866	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1775 26	PPAP2C	phosphatic acid phosphate type 2C	0.031865	Inlier
siRNA Disorazole DMSO Run1	NM_1775 26	PPAP2C	phosphatic acid phosphate type 2C	0.750012	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1775 26	PPAP2C	phosphatic acid phosphate type 2C	0.837983	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1775 26	PPAP2C	phosphatic acid phosphate type 2C	2.214356	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 01928	PPARA	peroxisome proliferative activated receptor, alpha	-1.769285	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 01928	PPARA	peroxisome proliferative activated receptor, alpha	-0.935289	Inlier
siRNA Disorazole DMSO Run2	NM_0010 01928	PPARA	peroxisome proliferative activated receptor, alpha	-0.413711	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0010 01928	PPARA	peroxisome proliferative activated receptor, alpha	-0.038765	Inlier
siRNA Disorazole DMSO Run1	NM_0010 01928	PPARA	peroxisome proliferative activated receptor, alpha	0.038765	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 01928	PPARA	peroxisome proliferative activated receptor, alpha	0.400736	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 01928	PPARA	peroxisome proliferative activated receptor, alpha	1.902681	Inlier
siRNA Disorazole DMSO Run3	NM_0010 01928	PPARA	peroxisome proliferative activated receptor, alpha	5.307108	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0047 74	PPARBP	PPAR binding protein	-4.224745	Outlier
siRNA Disorazole DMSO Run1	NM_0047 74	PPARBP	PPAR binding protein	-0.663025	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0047 74	PPARBP	PPAR binding protein	-0.310685	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0047 74	PPARBP	PPAR binding protein	-0.301984	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0047 74	PPARBP	PPAR binding protein	0.301984	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology siRNA-Vinblastine Run2- DMSO	NM_0047 74	PPARBP	PPAR binding protein	0.685975	Inlier
siRNA Disorazole DMSO Run2	NM_0047 74	PPARBP	PPAR binding protein	5.466434	Outlier
siRNA Disorazole DMSO Run3	NM_0047 74	PPARBP	PPAR binding protein	15.43494	Outlier
siRNA-Temozolomide Run3- DMSO	NM_1774 35	PPARD	peroxisom e proliferativ e activated receptor, delta	-1.229599	Inlier
siRNA Disorazole DMSO Run2	NM_1774 35	PPARD	peroxisom e proliferativ e activated receptor, delta	-0.761167	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1774 35	PPARD	peroxisom e proliferativ e activated receptor, delta	-0.319423	Inlier
siRNA Disorazole DMSO Run3	NM_1774 35	PPARD	peroxisom e proliferativ e activated receptor, delta	-0.305616	Inlier
siRNA Disorazole DMSO Run1	NM_1774 35	PPARD	peroxisom e proliferativ e activated receptor, delta	0.305616	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1774 35	PPARD	peroxisom e proliferativ e activated receptor, delta	0.587833	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_1774 35	PPARD	peroxisom e proliferativ e activated receptor, delta	1.076877 Inlier
siRNA-Vinblastine Run2-DMSO	NM_1774 35	PPARD	peroxisom e proliferativ e activated receptor, delta	1.156832 Inlier
siRNA Disorazole DMSO Run2	NM_0158 69	PPARG	peroxisom e proliferativ e activated receptor, gamma	-1.001596 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0158 69	PPARG	peroxisom e proliferativ e activated receptor, gamma	-0.689841 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0158 69	PPARG	peroxisom e proliferativ e activated receptor, gamma	-0.659159 Inlier
siRNA Disorazole DMSO Run3	NM_0158 69	PPARG	peroxisom e proliferativ e activated receptor, gamma	-0.160555 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0158 69	PPARG	peroxisom e proliferativ e activated receptor, gamma	0.160554 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0158 69	PPARG	peroxisom e proliferativ e activated receptor, gamma	0.629792	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0158 69	PPARG	peroxisom e proliferativ e activated receptor, gamma	1.228114	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0158 69	PPARG	peroxisom e proliferativ e activated receptor, gamma	1.620044	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1332 63	PPARGC1 B	peroxisom e proliferativ e activated receptor, gamma, coactivator 1, beta	-2.640352	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1332 63	PPARGC1 B	peroxisom e proliferativ e activated receptor, gamma, coactivator 1, beta	-0.845107	Inlier
siRNA Disorazole DMSO Run1	NM_1332 63	PPARGC1 B	peroxisom e proliferativ e activated receptor, gamma, coactivator 1, beta	-0.634901	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_133263	PPARGC1B	peroxisome proliferative activated receptor, gamma, coactivator 1, beta	-0.103705	Inlier
siRNA-Vinblastine Run1-DMSO	NM_133263	PPARGC1B	peroxisome proliferative activated receptor, gamma, coactivator 1, beta	0.103705	Inlier
siRNA Disorazole DMSO Run3	NM_133263	PPARGC1B	peroxisome proliferative activated receptor, gamma, coactivator 1, beta	0.445375	Inlier
siRNA-Vinblastine Run2-DMSO	NM_133263	PPARGC1B	peroxisome proliferative activated receptor, gamma, coactivator 1, beta	0.714099	Inlier
siRNA Disorazole DMSO Run2	NM_133263	PPARGC1B	peroxisome proliferative activated receptor, gamma, coactivator 1, beta	1.348434	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002703	PPAT	phosphoribosyl pyrophosphate amidotransferase	-0.96726	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_002703	PPAT	phosphoribosyl pyrophosphate amidotransferase	-0.784272	Inlier
siRNA Disorazole DMSO Run3	NM_002703	PPAT	phosphoribosyl pyrophosphate amidotransferase	-0.564728	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002703	PPAT	phosphoribosyl pyrophosphate amidotransferase	-0.228111	Inlier
siRNA Disorazole DMSO Run1	NM_002703	PPAT	phosphoribosyl pyrophosphate amidotransferase	0.228111	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002703	PPAT	phosphoribosyl pyrophosphate amidotransferase	0.246177	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002703	PPAT	phosphoribosyl pyrophosphate amidotransferase	1.625976	Inlier
siRNA Disorazole DMSO Run2	NM_002703	PPAT	protein phosphatase, EF hand calcium-binding domain 1	2.311794	Inlier
siRNA Disorazole DMSO Run2	NM_152225	PPEF1	protein phosphatase, EF hand calcium-binding domain 1	-0.94425	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Protein	Score	Outlier
siRNA-Temozolomide Run3-DMSO	NM_152225	PPEF1	protein phosphatase, EF hand calcium-binding domain 1	-0.728687	Inlier
siRNA Disorazole DMSO Run3	NM_152225	PPEF1	protein phosphatase, EF hand calcium-binding domain 1	-0.360641	Inlier
siRNA-Temozolomide Run2-DMSO	NM_152225	PPEF1	protein phosphatase, EF hand calcium-binding domain 1	-0.066024	Inlier
siRNA-Temozolomide Run1-DMSO	NM_152225	PPEF1	protein phosphatase, EF hand calcium-binding domain 1	0.066024	Inlier
siRNA-Vinblastine Run1-DMSO	NM_152225	PPEF1	protein phosphatase, EF hand calcium-binding domain 1	0.620313	Inlier
siRNA Disorazole DMSO Run1	NM_152225	PPEF1	protein phosphatase, EF hand calcium-binding domain 1	0.775053	Inlier
siRNA-Vinblastine Run2-DMSO	NM_152225	PPEF1	protein phosphatase, EF hand calcium-binding domain 1	1.124408	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Protein	Score	Outlier Type
siRNA-Temozolomide Run2-DMSO	NM_152934	PPEF2	-1.120381	Inlier
siRNA Disorazole DMSO Run3	NM_152934	PPEF2	-0.617912	Inlier
siRNA Disorazole DMSO Run2	NM_152934	PPEF2	-0.222115	Inlier
siRNA-Temozolomide Run1-DMSO	NM_152934	PPEF2	-0.111366	Inlier
siRNA-Temozolomide Run3-DMSO	NM_152934	PPEF2	0.111366	Inlier
siRNA Disorazole DMSO Run1	NM_152934	PPEF2	0.731088	Inlier
siRNA-Vinblastine Run1-DMSO	NM_152934	PPEF2	1.042262	Inlier

protein phosphatase, EF hand calcium-binding domain 2

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_1529 34	PPEF2	protein phosphatase, EF hand calcium-binding domain 2	1.14196	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1774 23	PPFIA1	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 1	-2.047618	Inlier
siRNA Disorazole DMSO Run2	NM_1774 23	PPFIA1	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 1	-1.844308	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1774 23	PPFIA1	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 1	-1.258283	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Run	Gene ID	Accession	Protein Name	Score	Category
siRNA-Temozolomide	Run2-DMSO	NM_1774	23	PPFIA1	-0.105772	Inlier
siRNA Disorazole	DMSO Run3	NM_1774	23	PPFIA1	0.105772	Inlier
siRNA-Vinblastine	Run2-DMSO	NM_1774	23	PPFIA1	0.416231	Inlier
siRNA Disorazole	DMSO Run1	NM_1774	23	PPFIA1	0.438284	Inlier

protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 1

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_1774 23	PPFIA1	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 1	0.910716	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0036 25	PPFIA2	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 2	-1.362302	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0036 25	PPFIA2	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 2	-1.154355	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0036 25	PPFIA2	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 2	-0.135582	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0036 25	PPFIA2	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 2	-0.080871	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0036 25	PPFIA2	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 2	0.080871	Inlier
siRNA Disorazole DMSO Run1	NM_0036 25	PPFIA2	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 2	0.194645	Inlier
siRNA Disorazole DMSO Run3	NM_0036 25	PPFIA2	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 2	1.455722	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0036 25	PPFIA2	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 2	2.283251	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0036 60	PPFIA3	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 3	-2.258927	Inlier
siRNA Disorazole DMSO Run3	NM_0036 60	PPFIA3	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 3	-2.011781	Inlier
siRNA Disorazole DMSO Run2	NM_0036 60	PPFIA3	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 3	-1.772884	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Protein Name	Log2 Fold Change	Annotation
siRNA-Temozolomide Run1-DMSO	NM_003660	PPFIA3	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 3	-0.149071	Inlier
siRNA Disorazole DMSO Run1	NM_003660	PPFIA3	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 3	0.149071	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003660	PPFIA3	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 3	0.40731	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003660	PPFIA3	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 3	0.666133	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Description	Score	Category
siRNA-Vinblastine Run2-DMSO	NM_003660	PPFIA3	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 3	0.682867	Inlier
siRNA-Temozolomide Run3-DMSO	NM_015053	PPFIA4	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 4	-3.839399	Outlier
siRNA-Temozolomide Run2-DMSO	NM_015053	PPFIA4	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 4	-0.742819	Inlier
siRNA Disorazole DMSO Run2	NM_015053	PPFIA4	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 4	-0.606181	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Description	Score	Category
siRNA-Temozolomide Run1-DMSO	NM_015053	PPFIA4	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 4	-0.5466	Inlier
siRNA Disorazole DMSO Run1	NM_015053	PPFIA4	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 4	0.546601	Inlier
siRNA Disorazole DMSO Run3	NM_015053	PPFIA4	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 4	0.581255	Inlier
siRNA-Vinblastine Run1-DMSO	NM_015053	PPFIA4	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 4	2.566003	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_000308	PPGB	protective protein for beta-galactosidase (galactosialidosis)	0.427347	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000308	PPGB	protective protein for beta-galactosidase (galactosialidosis)	0.528389	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000308	PPGB	peptidylprolyl isomerase A (cyclophilin A)	1.222705	Inlier
siRNA-Temozolomide Run3-DMSO	NM_021130	PPIA	peptidylprolyl isomerase A (cyclophilin A)	-0.952332	Inlier
siRNA-Temozolomide Run2-DMSO	NM_021130	PPIA	peptidylprolyl isomerase A (cyclophilin A)	-0.396668	Inlier
siRNA Disorazole DMSO Run3	NM_021130	PPIA	peptidylprolyl isomerase A (cyclophilin A)	-0.250824	Inlier
siRNA-Vinblastine Run2-DMSO	NM_021130	PPIA	peptidylprolyl isomerase A (cyclophilin A)	-0.212417	Inlier
siRNA Disorazole DMSO Run1	NM_021130	PPIA	(cyclophilin A)	0.212417	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_021130	PPIA	peptidylprolyl isomerase A (cyclophilin A)	1.38141	Inlier
siRNA-Vinblastine Run1-DMSO	NM_021130	PPIA	peptidylprolyl isomerase A (cyclophilin A)	2.058543	Inlier
siRNA Disorazole DMSO Run2	NM_021130	PPIA	peptidylprolyl isomerase A (cyclophilin A)	2.387331	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000942	PPIB	peptidylprolyl isomerase B (cyclophilin B)	-1.314925	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000942	PPIB	peptidylprolyl isomerase B (cyclophilin B)	-0.918228	Inlier
siRNA Disorazole DMSO Run1	NM_000942	PPIB	peptidylprolyl isomerase B (cyclophilin B)	-0.27973	Inlier
siRNA Disorazole DMSO Run3	NM_000942	PPIB	peptidylprolyl isomerase B (cyclophilin B)	-0.179823	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000942	PPIB	peptidylprolyl isomerase B (cyclophilin B)	0.179824	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Protein	Gene Name	Log2 Fold Change	Outlier Status
siRNA-Vinblastine Run1-DMSO	NM_000942	PPIB	peptidylprolyl isomerase B (cyclophilin B)	0.430772	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000942	PPIB	peptidylprolyl isomerase B (cyclophilin B)	1.386128	Inlier
siRNA Disorazole DMSO Run2	NM_000942	PPIB	peptidylprolyl isomerase B (cyclophilin B)	1.395647	Inlier
siRNA Disorazole DMSO Run1	NM_000943	PPIC	peptidylprolyl isomerase C (cyclophilin C)	-1.326889	Inlier
siRNA Disorazole DMSO Run3	NM_000943	PPIC	peptidylprolyl isomerase C (cyclophilin C)	-0.823946	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000943	PPIC	peptidylprolyl isomerase C (cyclophilin C)	-0.525054	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000943	PPIC	peptidylprolyl isomerase C (cyclophilin C)	-0.072671	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000943	PPIC	peptidylprolyl isomerase C (cyclophilin C)	0.07267	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0009 43	PPIC	peptidylprolyl isomerase C (cyclophilin C)	0.27323	Inlier
siRNA Disorazole DMSO Run2	NM_0009 43	PPIC	peptidylprolyl isomerase C (cyclophilin C)	1.992042	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0009 43	PPIC	peptidylprolyl isomerase C (cyclophilin C)	2.35449	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0050 38	PPID	peptidylprolyl isomerase D (cyclophilin D)	-2.714135	Inlier
siRNA Disorazole DMSO Run3	NM_0050 38	PPID	peptidylprolyl isomerase D (cyclophilin D)	-2.147353	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0050 38	PPID	peptidylprolyl isomerase D (cyclophilin D)	-1.148317	Inlier
siRNA Disorazole DMSO Run1	NM_0050 38	PPID	peptidylprolyl isomerase D (cyclophilin D)	-0.09407	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0050 38	PPID	peptidylprolyl isomerase D (cyclophilin D)	0.09407	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Protein	Gene Name	Value	Outlier Type
siRNA-Vinblastine Run1-DMSO	NM_005038	PPID	peptidylprolyl isomerase D (cyclophilin D)	0.104861	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005038	PPID	peptidylprolyl isomerase D (cyclophilin D)	0.212713	Inlier
siRNA Disorazole DMSO Run2	NM_005038	PPID	peptidylprolyl isomerase D (cyclophilin D)	1.136287	Inlier
siRNA Disorazole DMSO Run3	NM_203456	PPIE	peptidylprolyl isomerase E (cyclophilin E)	-0.685757	Inlier
siRNA-Temozolomide Run3-DMSO	NM_203456	PPIE	peptidylprolyl isomerase E (cyclophilin E)	-0.663243	Inlier
siRNA Disorazole DMSO Run1	NM_203456	PPIE	peptidylprolyl isomerase E (cyclophilin E)	-0.268957	Inlier
siRNA-Vinblastine Run2-DMSO	NM_203456	PPIE	peptidylprolyl isomerase E (cyclophilin E)	-0.159543	Inlier
siRNA-Temozolomide Run2-DMSO	NM_203456	PPIE	peptidylprolyl isomerase E (cyclophilin E)	0.159543	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_2034 56	PPIE	peptidylprolyl isomerase E (cyclophilin E)	1.528952	Inlier
siRNA-Vinblastine Run1-DMSO	NM_2034 56	PPIE	peptidylprolyl isomerase E (cyclophilin E)	3.246386	Inlier
siRNA Disorazole DMSO Run2	NM_2034 56	PPIE	peptidylprolyl isomerase E (cyclophilin E)	3.498268	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0057 29	PPIF	peptidylprolyl isomerase F (cyclophilin F)	-0.884175	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0057 29	PPIF	peptidylprolyl isomerase F (cyclophilin F)	-0.792622	Inlier
siRNA Disorazole DMSO Run3	NM_0057 29	PPIF	peptidylprolyl isomerase F (cyclophilin F)	-0.556378	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0057 29	PPIF	peptidylprolyl isomerase F (cyclophilin F)	-0.05801	Inlier
siRNA Disorazole DMSO Run1	NM_0057 29	PPIF	peptidylprolyl isomerase F (cyclophilin F)	0.058009	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0057 29	PPIF	peptidylprolyl isomerase F (cyclophilin F)	0.492613	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0057 29	PPIF	peptidylprolyl isomerase F (cyclophilin F)	1.07441	Inlier
siRNA Disorazole DMSO Run2	NM_0057 29	PPIF	peptidylprolyl isomerase F (cyclophilin F)	2.750764	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0047 92	PPIG	peptidylprolyl isomerase G (cyclophilin G)	-1.084188	Inlier
siRNA Disorazole DMSO Run3	NM_0047 92	PPIG	peptidylprolyl isomerase G (cyclophilin G)	-1.016865	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0047 92	PPIG	peptidylprolyl isomerase G (cyclophilin G)	-0.315827	Inlier
siRNA Disorazole DMSO Run1	NM_0047 92	PPIG	peptidylprolyl isomerase G (cyclophilin G)	-0.234025	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0047 92	PPIG	peptidylprolyl isomerase G (cyclophilin G)	0.234025	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0047 92	PPIG	peptidyl-prolyl isomerase G (cyclophilin G)	0.448988	Inlier
siRNA Disorazole DMSO Run2	NM_0047 92	PPIG	peptidyl-prolyl isomerase G (cyclophilin G)	0.900012	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0047 92	PPIG	peptidyl-prolyl isomerase G (cyclophilin G)	1.091038	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0063 47	PPIH	peptidyl-prolyl isomerase H (cyclophilin H)	-1.096865	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0063 47	PPIH	peptidyl-prolyl isomerase H (cyclophilin H)	-0.374523	Inlier
siRNA Disorazole DMSO Run3	NM_0063 47	PPIH	peptidyl-prolyl isomerase H (cyclophilin H)	-0.306865	Inlier
siRNA Disorazole DMSO Run1	NM_0063 47	PPIH	peptidyl-prolyl isomerase H (cyclophilin H)	-0.035409	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0063 47	PPIH	peptidyl-prolyl isomerase H (cyclophilin H)	0.035409	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0063 47	PPIH	peptidyl prolyl isomerase H (cyclophilin H)	0.974477	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0063 47	PPIH	peptidyl prolyl isomerase H (cyclophilin H)	1.859228	Inlier
siRNA Disorazole DMSO Run2	NM_0063 47	PPIH	peptidyl prolyl isomerase H (cyclophilin H)	3.049211	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0160 59	PPIL1	peptidylprolyl isomerase (cyclophilin)-like 1	-3.565186	Outlier
siRNA Disorazole DMSO Run1	NM_0160 59	PPIL1	peptidylprolyl isomerase (cyclophilin)-like 1	-0.778128	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0160 59	PPIL1	peptidylprolyl isomerase (cyclophilin)-like 1	-0.104642	Inlier
siRNA Disorazole DMSO Run3	NM_0160 59	PPIL1	peptidylprolyl isomerase (cyclophilin)-like 1	-0.01182	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0160 59	PPIL1	peptidylprolyl isomerase (cyclophilin)-like 1	0.011821	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0160 59	PPIL1	peptidylprolyl isomerase (cyclophilin)-like 1	0.570872	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0160 59	PPIL1	peptidylprolyl isomerase (cyclophilin)-like 1	2.080674	Inlier
siRNA Disorazole DMSO Run2	NM_0160 59	PPIL1	peptidylprolyl isomerase (cyclophilin)-like 1	3.851735	Outlier
siRNA Disorazole DMSO Run3	NM_1481 76	PPIL2	peptidylprolyl isomerase (cyclophilin)-like 2	-1.665363	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1481 76	PPIL2	peptidylprolyl isomerase (cyclophilin)-like 2	-1.024774	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1481 76	PPIL2	peptidylprolyl isomerase (cyclophilin)-like 2	-0.324226	Inlier
siRNA Disorazole DMSO Run1	NM_1481 76	PPIL2	peptidylprolyl isomerase (cyclophilin)-like 2	-0.052258	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1481 76	PPIL2	peptidylprolyl isomerase (cyclophilin)-like 2	0.052258	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_1481 76	PPIL2	peptidylprolyl isomerase (cyclophilin)-like 2	0.321196	Inlier
siRNA Disorazole DMSO Run2	NM_1481 76	PPIL2	peptidylprolyl isomerase (cyclophilin)-like 2	2.805284	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1481 76	PPIL2	peptidylprolyl isomerase (cyclophilin)-like 2	2.846501	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1319 16	PPIL3	peptidylprolyl isomerase (cyclophilin)-like 3	-0.718454	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1319 16	PPIL3	peptidylprolyl isomerase (cyclophilin)-like 3	-0.630546	Inlier
siRNA Disorazole DMSO Run1	NM_1319 16	PPIL3	peptidylprolyl isomerase (cyclophilin)-like 3	-0.214559	Inlier
siRNA Disorazole DMSO Run3	NM_1319 16	PPIL3	peptidylprolyl isomerase (cyclophilin)-like 3	-0.197932	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1319 16	PPIL3	peptidylprolyl isomerase (cyclophilin)-like 3	0.197931	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_1319 16	PPIL3	peptidylprolyl isomerase (cyclophilin)-like 3	0.947629	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1319 16	PPIL3	peptidylprolyl isomerase (cyclophilin)-like 3	1.436482	Inlier
siRNA Disorazole DMSO Run2	NM_1319 16	PPIL3	peptidylprolyl isomerase (cyclophilin)-like 3	1.53809	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1391 26	PPIL4	peptidylprolyl isomerase (cyclophilin)-like 4	-1.042175	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1391 26	PPIL4	peptidylprolyl isomerase (cyclophilin)-like 4	-0.596916	Inlier
siRNA Disorazole DMSO Run1	NM_1391 26	PPIL4	peptidylprolyl isomerase (cyclophilin)-like 4	-0.14972	Inlier
siRNA Disorazole DMSO Run3	NM_1391 26	PPIL4	peptidylprolyl isomerase (cyclophilin)-like 4	-0.032319	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1391 26	PPIL4	peptidylprolyl isomerase (cyclophilin)-like 4	0.032319	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_1391 26	PPIL4	peptidylprolyl isomerase (cyclophilin)-like 4	0.752084	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1391 26	PPIL4	peptidylprolyl isomerase (cyclophilin)-like 4	0.940749	Inlier
siRNA Disorazole DMSO Run2	NM_1391 26	PPIL4	peptidylprolyl isomerase (cyclophilin)-like 4	1.218937	Inlier
siRNA-Temozolomide Run3-DMSO	NM_2034 66	PPIL5	peptidylprolyl isomerase (cyclophilin)-like 5	-2.393209	Inlier
siRNA-Temozolomide Run2-DMSO	NM_2034 66	PPIL5	peptidylprolyl isomerase (cyclophilin)-like 5	-0.964877	Inlier
siRNA Disorazole DMSO Run1	NM_2034 66	PPIL5	peptidylprolyl isomerase (cyclophilin)-like 5	-0.384123	Inlier
siRNA Disorazole DMSO Run3	NM_2034 66	PPIL5	peptidylprolyl isomerase (cyclophilin)-like 5	-0.242651	Inlier
siRNA-Vinblastine Run2-DMSO	NM_2034 66	PPIL5	peptidylprolyl isomerase (cyclophilin)-like 5	0.242652	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_2034 66	PPIL5	peptidylprolyl isomerase (cyclophilin)-like 5	0.371788	Inlier
siRNA-Vinblastine Run1-DMSO	NM_2034 66	PPIL5	peptidylprolyl isomerase (cyclophilin)-like 5	3.198734	Inlier
siRNA Disorazole DMSO Run2	NM_2034 66	PPIL5	peptidylprolyl isomerase (cyclophilin)-like 5	3.285452	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1736 72	PPIL6	peptidylprolyl isomerase (cyclophilin)-like 6	-1.62881	Inlier
siRNA Disorazole DMSO Run3	NM_1736 72	PPIL6	peptidylprolyl isomerase (cyclophilin)-like 6	-1.164996	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1736 72	PPIL6	peptidylprolyl isomerase (cyclophilin)-like 6	-0.448813	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1736 72	PPIL6	peptidylprolyl isomerase (cyclophilin)-like 6	-0.007303	Inlier
siRNA Disorazole DMSO Run1	NM_1736 72	PPIL6	peptidylprolyl isomerase (cyclophilin)-like 6	0.007302	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_1736 72	PPIL6	peptidylprolyl isomerase (cyclophilin)-like 6	0.29664	Inlier
siRNA Disorazole DMSO Run2	NM_1736 72	PPIL6	peptidylprolyl isomerase (cyclophilin)-like 6	0.900187	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1736 72	PPIL6	peptidylprolyl isomerase (cyclophilin)-like 6	1.328876	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1779 52	PPM1A	protein phosphatase 1A (formerly 2C), magnesium dependent, alpha isoform	-1.030499	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1779 52	PPM1A	protein phosphatase 1A (formerly 2C), magnesium dependent, alpha isoform	-0.61033	Inlier
siRNA Disorazole DMSO Run2	NM_1779 52	PPM1A	protein phosphatase 1A (formerly 2C), magnesium dependent, alpha isoform	-0.068773	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Protein	Log2 Fold Change	Annotation
siRNA-Temozolomide Run3-DMSO	NM_177952	PPM1A	-0.01236	Inlier
siRNA Disorazole DMSO Run3	NM_177952	PPM1A	0.012359	Inlier
siRNA Disorazole DMSO Run1	NM_177952	PPM1A	0.73867	Inlier
siRNA-Vinblastine Run1-DMSO	NM_177952	PPM1A	1.393757	Inlier
siRNA-Vinblastine Run2-DMSO	NM_177952	PPM1A	2.105067	Inlier

protein phosphatase 1A (formerly 2C), magnesium-dependent, alpha isoform

-0.01236 Inlier

0.012359 Inlier

0.73867 Inlier

1.393757 Inlier

2.105067 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Protein	Log Fold Change	Outlier Status
siRNA-Temozolomide Run1-DMSO	NM_177969	PPM1B	-0.94737	Inlier
siRNA-Temozolomide Run2-DMSO	NM_177969	PPM1B	-0.597481	Inlier
siRNA Disorazole DMSO Run1	NM_177969	PPM1B	-0.371095	Inlier
siRNA-Temozolomide Run3-DMSO	NM_177969	PPM1B	-0.187509	Inlier
siRNA-Vinblastine Run1-DMSO	NM_177969	PPM1B	0.18751	Inlier

protein phosphatase 1B (formerly 2C), magnesium dependent, beta isoform

protein phosphatase 1B (formerly 2C), magnesium dependent, beta isoform

protein phosphatase 1B (formerly 2C), magnesium dependent, beta isoform

protein phosphatase 1B (formerly 2C), magnesium dependent, beta isoform

protein phosphatase 1B (formerly 2C), magnesium dependent, beta isoform

protein phosphatase 1B (formerly 2C), magnesium dependent, beta isoform

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_1779 69	PPM1B	protein phosphatase 1B (formerly 2C), magnesium dependent, beta isoform	0.751519	Inlier
siRNA Disorazole DMSO Run3	NM_1779 69	PPM1B	protein phosphatase 1B (formerly 2C), magnesium dependent, beta isoform	1.771056	Inlier
siRNA Disorazole DMSO Run2	NM_1779 69	PPM1B	protein phosphatase 1D magnesium dependent, beta isoform	2.494753	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0036 20	PPM1D	protein phosphatase 1D magnesium dependent, delta isoform	-2.725652	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0036 20	PPM1D	protein phosphatase 1D magnesium dependent, delta isoform	-2.683091	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Method	Protein Description	Log Fold Change	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_014906	PPM1E	protein phosphatase 1E (PP2C domain containing)	-1.036006	Inlier
siRNA-Temozolomide Run3-DMSO	NM_014906	PPM1E	protein phosphatase 1E (PP2C domain containing)	-0.312994	Inlier
siRNA-Temozolomide Run1-DMSO	NM_014906	PPM1E	protein phosphatase 1E (PP2C domain containing)	-0.193231	Inlier
siRNA Disorazole DMSO Run3	NM_014906	PPM1E	protein phosphatase 1E (PP2C domain containing)	-0.161755	Inlier
siRNA Disorazole DMSO Run2	NM_014906	PPM1E	protein phosphatase 1E (PP2C domain containing)	0.161755	Inlier
siRNA Disorazole DMSO Run1	NM_014906	PPM1E	protein phosphatase 1E (PP2C domain containing)	1.294438	Inlier
siRNA-Vinblastine Run1-DMSO	NM_014906	PPM1E	protein phosphatase 1E (PP2C domain containing)	1.388245	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Protein	Value	Category
siRNA-Vinblastine Run2-DMSO	NM_014906	PPM1E protein phosphatase 1E (PP2C domain containing)	1.566257	Inlier
siRNA-Temozolomide Run2-DMSO	NM_014634	PPM1F protein phosphatase 1F (PP2C domain containing)	-1.13493	Inlier
siRNA-Temozolomide Run1-DMSO	NM_014634	PPM1F protein phosphatase 1F (PP2C domain containing)	-0.870306	Inlier
siRNA Disorazole DMSO Run3	NM_014634	PPM1F protein phosphatase 1F (PP2C domain containing)	-0.270771	Inlier
siRNA-Vinblastine Run2-DMSO	NM_014634	PPM1F protein phosphatase 1F (PP2C domain containing)	-0.005186	Inlier
siRNA-Temozolomide Run3-DMSO	NM_014634	PPM1F protein phosphatase 1F (PP2C domain containing)	0.005186	Inlier
siRNA Disorazole DMSO Run1	NM_014634	PPM1F protein phosphatase 1F (PP2C domain containing)	0.580352	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	PPM	Protein Description	Log2 Fold Change	Inlier
siRNA-Vinblastine Run1-DMSO	NM_014634	PPM1F	protein phosphatase 1F (PP2C domain containing)	0.768648	Inlier
siRNA Disorazole DMSO Run2	NM_014634	PPM1F	protein phosphatase 1F (PP2C domain containing)	3.025802	Inlier
siRNA-Temozolomide Run2-DMSO	NM_177983	PPM1G	protein phosphatase 1G (formerly 2C), magnesium-dependent, gamma isoform	-1.941911	Inlier
siRNA Disorazole DMSO Run3	NM_177983	PPM1G	protein phosphatase 1G (formerly 2C), magnesium-dependent, gamma isoform	-0.838783	Inlier
siRNA-Temozolomide Run1-DMSO	NM_177983	PPM1G	protein phosphatase 1G (formerly 2C), magnesium-dependent, gamma isoform	-0.796013	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	PPM1G	Gene Name	Value	Category
siRNA-Vinblastine Run2-DMSO	NM_177983	PPM1G	protein phosphatase 1G (formerly 2C), magnesium-dependent, gamma isoform	-0.032626	Inlier
siRNA Disorazole DMSO Run1	NM_177983	PPM1G	protein phosphatase 1G (formerly 2C), magnesium-dependent, gamma isoform	0.032626	Inlier
siRNA-Vinblastine Run1-DMSO	NM_177983	PPM1G	protein phosphatase 1G (formerly 2C), magnesium-dependent, gamma isoform	0.259495	Inlier
siRNA-Temozolomide Run3-DMSO	NM_177983	PPM1G	protein phosphatase 1G (formerly 2C), magnesium-dependent, gamma isoform	0.552987	Inlier
siRNA Disorazole DMSO Run2	NM_177983	PPM1G	protein phosphatase 1G (formerly 2C), magnesium-dependent, gamma isoform	0.944657	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Accession	Protein Name	Score	Category
siRNA-Temozolomide Run2-DMSO	NM_1392	45	PPM1L	-1.056559	Inlier
siRNA Disorazole DMSO Run3	NM_1392	45	PPM1L	-0.695253	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1392	45	PPM1L	-0.371964	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1392	45	PPM1L	-0.347749	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1392	45	PPM1L	0.347749	Inlier
siRNA Disorazole DMSO Run1	NM_1392	45	PPM1L	0.653747	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1392	45	PPM1L	1.051406	Inlier
siRNA Disorazole DMSO Run2	NM_1392	45	PPM1L	2.750603	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0184	44	PPM2C	-1.217263	Inlier

protein phosphatase 1

(formerly 2C)-like

protein phosphatase 1

(formerly 2C)-like

protein phosphatase 1

(formerly 2C)-like

protein phosphatase 1

(formerly 2C)-like

protein phosphatase 1

(formerly 2C)-like

protein phosphatase 1

(formerly 2C)-like

protein phosphatase 1

(formerly 2C)-like

protein phosphatase 1

(formerly 2C)-like

protein phosphatase 2C,

magnesium-

dependent,

catalytic subunit

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_018444	PPM2C	protein phosphatase 2C, magnesium dependent, catalytic subunit	-1.087088	Inlier
siRNA-Temozolomide Run3-DMSO	NM_018444	PPM2C	protein phosphatase 2C, magnesium dependent, catalytic subunit	-0.318041	Inlier
siRNA-Vinblastine Run2-DMSO	NM_018444	PPM2C	protein phosphatase 2C, magnesium dependent, catalytic subunit	-0.110712	Inlier
siRNA-Vinblastine Run1-DMSO	NM_018444	PPM2C	protein phosphatase 2C, magnesium dependent, catalytic subunit	0.110712	Inlier
siRNA Disorazole DMSO Run1	NM_018444	PPM2C	protein phosphatase 2C, magnesium dependent, catalytic subunit	0.294938	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0184 44	PPM2C	protein phosphatase 2C, magnesium-dependent, catalytic subunit	1.030959	Inlier
siRNA Disorazole DMSO Run2	NM_0184 44	PPM2C	protein phosphatase 2C, magnesium-dependent, catalytic subunit	2.280297	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0003 09	PPOX	protoporphyrinogen oxidase	-1.633412	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0003 09	PPOX	protoporphyrinogen oxidase	-0.741316	Inlier
siRNA Disorazole DMSO Run3	NM_0003 09	PPOX	protoporphyrinogen oxidase	-0.607684	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0003 09	PPOX	protoporphyrinogen oxidase	-0.122818	Inlier
siRNA Disorazole DMSO Run1	NM_0003 09	PPOX	protoporphyrinogen oxidase	0.122818	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0003 09	PPOX	protoporphyrinogen oxidase	0.312033	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0003 09	PPOX	protoporphyrinogen oxidase	1.583902	Inlier
siRNA Disorazole DMSO Run2	NM_0003 09	PPOX	protoporphyrinogen oxidase	1.906292	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 08709	PPP1CA	protein phosphatase 1, catalytic subunit, alpha isoform	-3.025793	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log2 Fold Change	Inlier Status
siRNA-Temozolomide Run1-DMSO	NM_001008709	PPP1CA	protein phosphatase 1, catalytic subunit, alpha isoform	-1.962045	Inlier
siRNA Disorazole DMSO Run1	NM_001008709	PPP1CA	protein phosphatase 1, catalytic subunit, alpha isoform	-0.354726	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001008709	PPP1CA	protein phosphatase 1, catalytic subunit, alpha isoform	-0.147116	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001008709	PPP1CA	protein phosphatase 1, catalytic subunit, alpha isoform	0.147116	Inlier
siRNA Disorazole DMSO Run3	NM_001008709	PPP1CA	protein phosphatase 1, catalytic subunit, alpha isoform	0.306082	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001008709	PPP1CA	protein phosphatase 1, catalytic subunit, alpha isoform	0.994274	Inlier
siRNA Disorazole DMSO Run2	NM_001008709	PPP1CA	protein phosphatase 1, catalytic subunit, alpha isoform	2.644487	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Target	Protein Name	Log2 Fold Change	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_206876	PPP1CB	protein phosphatase 1, catalytic subunit, beta isoform	-1.25519	Inlier
siRNA-Temozolomide Run3-DMSO	NM_206876	PPP1CB	protein phosphatase 1, catalytic subunit, beta isoform	-1.187007	Inlier
siRNA-Temozolomide Run1-DMSO	NM_206876	PPP1CB	protein phosphatase 1, catalytic subunit, beta isoform	-0.402264	Inlier
siRNA Disorazole DMSO Run1	NM_206876	PPP1CB	protein phosphatase 1, catalytic subunit, beta isoform	-0.135789	Inlier
siRNA-Vinblastine Run1-DMSO	NM_206876	PPP1CB	protein phosphatase 1, catalytic subunit, beta isoform	0.135789	Inlier
siRNA Disorazole DMSO Run3	NM_206876	PPP1CB	protein phosphatase 1, catalytic subunit, beta isoform	0.3985	Inlier
siRNA-Vinblastine Run2-DMSO	NM_206876	PPP1CB	protein phosphatase 1, catalytic subunit, beta isoform	0.946736	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Accession	Protein Name	Log2 Fold Change	Outlier Status
siRNA Disorazole DMSO Run2	NM_2068	76	PPP1CB	1.85147	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0027	10	PPP1CC	-0.682537	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0027	10	PPP1CC	-0.666463	Inlier
siRNA Disorazole DMSO Run3	NM_0027	10	PPP1CC	-0.539585	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0027	10	PPP1CC	-0.409581	Inlier
siRNA Disorazole DMSO Run1	NM_0027	10	PPP1CC	0.409581	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0027	10	PPP1CC	2.104924	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Accession	Protein Description	Log2 Fold Change	Outlier Status
siRNA-Vinblastine Run2-DMSO	NM_002710	PPP1CC	protein phosphatase 1, catalytic subunit, gamma isoform	3.173336	Inlier
siRNA Disorazole DMSO Run2	NM_002710	PPP1CC	protein phosphatase 1, catalytic subunit, gamma isoform	3.380708	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002714	PPP1R10	protein phosphatase 1, regulatory subunit 10	-2.057116	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002714	PPP1R10	protein phosphatase 1, regulatory subunit 10	-1.323438	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002714	PPP1R10	protein phosphatase 1, regulatory subunit 10	-0.932218	Inlier
siRNA Disorazole DMSO Run3	NM_002714	PPP1R10	protein phosphatase 1, regulatory subunit 10	-0.114649	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002714	PPP1R10	protein phosphatase 1, regulatory subunit 10	0.114649	Inlier
siRNA Disorazole DMSO Run1	NM_002714	PPP1R10	protein phosphatase 1, regulatory subunit 10	0.182483	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0027 14	PPP1R10	protein phosphatase 1, regulatory subunit 10	0.416781	Inlier
siRNA Disorazole DMSO Run2	NM_0027 14	PPP1R10	protein phosphatase 1, regulatory subunit 10	1.163237	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0219 59	PPP1R11	protein phosphatase 1, regulatory (inhibitor) subunit 11	-1.192161	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0219 59	PPP1R11	protein phosphatase 1, regulatory (inhibitor) subunit 11	-1.150216	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0219 59	PPP1R11	protein phosphatase 1, regulatory (inhibitor) subunit 11	-0.244464	Inlier
siRNA Disorazole DMSO Run1	NM_0219 59	PPP1R11	protein phosphatase 1, regulatory (inhibitor) subunit 11	-0.165533	Inlier
siRNA Disorazole DMSO Run3	NM_0219 59	PPP1R11	protein phosphatase 1, regulatory (inhibitor) subunit 11	0.165533	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0219 59	PPP1R11	protein phosphatase 1, regulatory (inhibitor) subunit 11	0.453723	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0219 59	PPP1R11	protein phosphatase 1, regulatory (inhibitor) subunit 11	0.895277	Inlier
siRNA Disorazole DMSO Run2	NM_0219 59	PPP1R11	protein phosphatase 1, regulatory (inhibitor) subunit 11	1.7112	Inlier
siRNA Disorazole DMSO Run3	NM_0024 80	PPP1R12 A	protein phosphatase 1, regulatory (inhibitor) subunit 12A	-0.960226	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0024 80	PPP1R12 A	protein phosphatase 1, regulatory (inhibitor) subunit 12A	-0.74386	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0024 80	PPP1R12 A	protein phosphatase 1, regulatory (inhibitor) subunit 12A	-0.552271	Inlier
siRNA Disorazole DMSO Run1	NM_0024 80	PPP1R12 A	protein phosphatase 1, regulatory (inhibitor) subunit 12A	-0.049166	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Accession	Protein Name	Value	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_002480	PPP1R12A	protein phosphatase 1, regulatory (inhibitor) subunit 12A	0.049166	Inlier
siRNA Disorazole DMSO Run2	NM_002480	PPP1R12A	protein phosphatase 1, regulatory (inhibitor) subunit 12A	0.605139	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002480	PPP1R12A	protein phosphatase 1, regulatory (inhibitor) subunit 12A	0.786521	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002480	PPP1R12A	protein phosphatase 1, regulatory (inhibitor) subunit 12A	0.989124	Inlier
siRNA Disorazole DMSO Run3	NM_032105	PPP1R12B	protein phosphatase 1, regulatory (inhibitor) subunit 12B	-0.697003	Inlier
siRNA-Temozolomide Run2-DMSO	NM_032105	PPP1R12B	protein phosphatase 1, regulatory (inhibitor) subunit 12B	-0.651997	Inlier
siRNA-Temozolomide Run3-DMSO	NM_032105	PPP1R12B	protein phosphatase 1, regulatory (inhibitor) subunit 12B	-0.514419	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Accession	Subunit	Log2 Fold Change	Outlier Status
siRNA Disorazole DMSO Run2	NM_032105	PPP1R12B	protein phosphatase 1, regulatory (inhibitor) subunit 12B	-0.422865	Inlier
siRNA-Temozolomide Run1-DMSO	NM_032105	PPP1R12B	protein phosphatase 1, regulatory (inhibitor) subunit 12B	0.422865	Inlier
siRNA Disorazole DMSO Run1	NM_032105	PPP1R12B	protein phosphatase 1, regulatory (inhibitor) subunit 12B	1.408565	Inlier
siRNA-Vinblastine Run2-DMSO	NM_032105	PPP1R12B	protein phosphatase 1, regulatory (inhibitor) subunit 12B	1.527656	Inlier
siRNA-Vinblastine Run1-DMSO	NM_032105	PPP1R12B	protein phosphatase 1, regulatory (inhibitor) subunit 12B	2.019616	Inlier
siRNA-Temozolomide Run2-DMSO	NM_017607	PPP1R12C	protein phosphatase 1, regulatory (inhibitor) subunit 12C	-2.176918	Inlier
siRNA-Temozolomide Run3-DMSO	NM_017607	PPP1R12C	protein phosphatase 1, regulatory (inhibitor) subunit 12C	-1.322195	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Accession	Protein	Value	Outlier
siRNA-Temozolomide Run1-DMSO	NM_017607	PPP1R12C	protein phosphatase 1, regulatory (inhibitor) subunit 12C	-0.859616	Inlier
siRNA Disorazole DMSO Run2	NM_017607	PPP1R12C	protein phosphatase 1, regulatory (inhibitor) subunit 12C	-0.185726	Inlier
siRNA Disorazole DMSO Run3	NM_017607	PPP1R12C	protein phosphatase 1, regulatory (inhibitor) subunit 12C	0.185726	Inlier
siRNA Disorazole DMSO Run1	NM_017607	PPP1R12C	protein phosphatase 1, regulatory (inhibitor) subunit 12C	0.19329	Inlier
siRNA-Vinblastine Run2-DMSO	NM_017607	PPP1R12C	protein phosphatase 1, regulatory (inhibitor) subunit 12C	0.549225	Inlier
siRNA-Vinblastine Run1-DMSO	NM_017607	PPP1R12C	protein phosphatase 1, regulatory (inhibitor) subunit 12C	0.799775	Inlier
siRNA-Temozolomide Run3-DMSO	NM_015316	PPP1R13B	protein phosphatase 1, regulatory (inhibitor) subunit 13B	-1.616201	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Accession	Protein Name	Log2 Fold Change	Outlier Status
siRNA-Temozolomide Run1-DMSO	NM_015316	PPP1R13B	protein phosphatase 1, regulatory (inhibitor) subunit 13B	-1.327111	Inlier
siRNA-Temozolomide Run2-DMSO	NM_015316	PPP1R13B	protein phosphatase 1, regulatory (inhibitor) subunit 13B	-0.895446	Inlier
siRNA Disorazole DMSO Run3	NM_015316	PPP1R13B	protein phosphatase 1, regulatory (inhibitor) subunit 13B	-0.097033	Inlier
siRNA Disorazole DMSO Run2	NM_015316	PPP1R13B	protein phosphatase 1, regulatory (inhibitor) subunit 13B	0.097034	Inlier
siRNA Disorazole DMSO Run1	NM_015316	PPP1R13B	protein phosphatase 1, regulatory (inhibitor) subunit 13B	0.264689	Inlier
siRNA-Vinblastine Run2-DMSO	NM_015316	PPP1R13B	protein phosphatase 1, regulatory (inhibitor) subunit 13B	0.453554	Inlier
siRNA-Vinblastine Run1-DMSO	NM_015316	PPP1R13B	protein phosphatase 1, regulatory (inhibitor) subunit 13B	0.943057	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Accession	Protein Name	Log2 Fold Change	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_033256	PPP1R14A	protein phosphatase 1, regulatory (inhibitor) subunit 14A	-0.701616	Inlier
siRNA-Temozolomide Run2-DMSO	NM_033256	PPP1R14A	protein phosphatase 1, regulatory (inhibitor) subunit 14A	-0.647384	Inlier
siRNA Disorazole DMSO Run2	NM_033256	PPP1R14A	protein phosphatase 1, regulatory (inhibitor) subunit 14A	-0.632243	Inlier
siRNA Disorazole DMSO Run3	NM_033256	PPP1R14A	protein phosphatase 1, regulatory (inhibitor) subunit 14A	-0.168136	Inlier
siRNA-Temozolomide Run1-DMSO	NM_033256	PPP1R14A	protein phosphatase 1, regulatory (inhibitor) subunit 14A	0.168136	Inlier
siRNA Disorazole DMSO Run1	NM_033256	PPP1R14A	protein phosphatase 1, regulatory (inhibitor) subunit 14A	1.318454	Inlier
siRNA-Vinblastine Run1-DMSO	NM_033256	PPP1R14A	protein phosphatase 1, regulatory (inhibitor) subunit 14A	2.101342	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	NM ID	PPP1R14	Gene Name	Value	Inlier
siRNA-Vinblastine Run2-DMSO	NM_033256	A	protein phosphatase 1, regulatory (inhibitor) subunit 14A	2.543772	Inlier
siRNA-Temozolomide Run3-DMSO	NM_030949	C	protein phosphatase 1, regulatory (inhibitor) subunit 14C	-0.83193	Inlier
siRNA-Temozolomide Run2-DMSO	NM_030949	C	protein phosphatase 1, regulatory (inhibitor) subunit 14C	-0.655592	Inlier
siRNA Disorazole DMSO Run2	NM_030949	C	protein phosphatase 1, regulatory (inhibitor) subunit 14C	-0.215107	Inlier
siRNA-Temozolomide Run1-DMSO	NM_030949	C	protein phosphatase 1, regulatory (inhibitor) subunit 14C	-0.015656	Inlier
siRNA Disorazole DMSO Run3	NM_030949	C	protein phosphatase 1, regulatory (inhibitor) subunit 14C	0.015656	Inlier
siRNA Disorazole DMSO Run1	NM_030949	C	protein phosphatase 1, regulatory (inhibitor) subunit 14C	0.693408	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Accession	Protein Name	Score	Outlier Type
siRNA-Vinblastine Run2-DMSO	NM_030949	PPP1R14C	protein phosphatase 1, regulatory (inhibitor) subunit 14C	1.354562	Inlier
siRNA-Vinblastine Run1-DMSO	NM_030949	PPP1R14C	protein phosphatase 1, regulatory (inhibitor) subunit 14C	1.400785	Inlier
siRNA-Temozolomide Run2-DMSO	NM_017726	PPP1R14D	protein phosphatase 1, regulatory (inhibitor) subunit 14D	-0.702669	Inlier
siRNA-Temozolomide Run3-DMSO	NM_017726	PPP1R14D	protein phosphatase 1, regulatory (inhibitor) subunit 14D	-0.646331	Inlier
siRNA Disorazole DMSO Run3	NM_017726	PPP1R14D	protein phosphatase 1, regulatory (inhibitor) subunit 14D	-0.56423	Inlier
siRNA Disorazole DMSO Run2	NM_017726	PPP1R14D	protein phosphatase 1, regulatory (inhibitor) subunit 14D	-0.18619	Inlier
siRNA-Temozolomide Run1-DMSO	NM_017726	PPP1R14D	protein phosphatase 1, regulatory (inhibitor) subunit 14D	0.18619	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Subunit	Value	Category
siRNA Disorazole DMSO Run1	NM_0177	PPP1R14	subunit 14D	1.112073	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0177	PPP1R14	subunit 14D	1.738117	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0177	PPP1R14	subunit 14D	1.813345	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0143	PPP1R15	subunit 15A	-0.750852	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0143	PPP1R15	subunit 15A	-0.598148	Inlier
siRNA Disorazole DMSO Run2	NM_0143	PPP1R15	subunit 15A	-0.250577	Inlier
siRNA Disorazole DMSO Run3	NM_0143	PPP1R15	subunit 15A	-0.012018	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Protein	Value	Category
siRNA-Temozolomide Run1-DMSO	NM_0143	PPP1R15A	protein phosphatase 1, regulatory (inhibitor) subunit 15A	0.012018	Inlier
siRNA Disorazole DMSO Run1	NM_0143	PPP1R15A	protein phosphatase 1, regulatory (inhibitor) subunit 15A	0.810105	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0143	PPP1R15A	protein phosphatase 1, regulatory (inhibitor) subunit 15A	1.065614	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0143	PPP1R15A	protein phosphatase 1, regulatory (inhibitor) subunit 15A	1.350678	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0328	PPP1R15B	protein phosphatase 1, regulatory (inhibitor) subunit 15B	-0.826923	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0328	PPP1R15B	protein phosphatase 1, regulatory (inhibitor) subunit 15B	-0.522077	Inlier
siRNA Disorazole DMSO Run3	NM_0328	PPP1R15B	protein phosphatase 1, regulatory (inhibitor) subunit 15B	-0.303811	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Accession	Protein Name	Log Fold Change	Outlier Status
siRNA Disorazole DMSO Run2	NM_0328	PPP1R15	protein phosphatase 1, regulatory (inhibitor) subunit 15B	-0.223139	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0328	PPP1R15	protein phosphatase 1, regulatory (inhibitor) subunit 15B	0.223139	Inlier
siRNA Disorazole DMSO Run1	NM_0328	PPP1R15	protein phosphatase 1, regulatory (inhibitor) subunit 15B	1.409935	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0328	PPP1R15	protein phosphatase 1, regulatory (inhibitor) subunit 15B	1.861795	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0328	PPP1R15	protein phosphatase 1, regulatory (inhibitor) subunit 15B	1.866961	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0329	PPP1R16	protein phosphatase 1, regulatory (inhibitor) subunit 16A	-0.951925	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0329	PPP1R16	protein phosphatase 1, regulatory (inhibitor) subunit 16A	-0.679342	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Accession	Protein Name	Value	Outlier Status
siRNA-Temozolomide Run1-DMSO	NM_032902	PPP1R16A	protein phosphatase 1, regulatory (inhibitor) subunit 16A	-0.369306	Inlier
siRNA Disorazole DMSO Run3	NM_032902	PPP1R16A	protein phosphatase 1, regulatory (inhibitor) subunit 16A	-0.104942	Inlier
siRNA Disorazole DMSO Run1	NM_032902	PPP1R16A	protein phosphatase 1, regulatory (inhibitor) subunit 16A	0.104942	Inlier
siRNA-Vinblastine Run1-DMSO	NM_032902	PPP1R16A	protein phosphatase 1, regulatory (inhibitor) subunit 16A	0.669658	Inlier
siRNA-Vinblastine Run2-DMSO	NM_032902	PPP1R16A	protein phosphatase 1, regulatory (inhibitor) subunit 16A	0.728853	Inlier
siRNA Disorazole DMSO Run2	NM_032902	PPP1R16A	protein phosphatase 1, regulatory (inhibitor) subunit 16A	0.770784	Inlier
siRNA-Temozolomide Run2-DMSO	NM_015568	PPP1R16B	protein phosphatase 1, regulatory (inhibitor) subunit 16B	-0.813322	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Accession	Protein Name	Log Fold Change	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_015568	PPP1R16B	protein phosphatase 1, regulatory (inhibitor) subunit 16B	-0.713677	Inlier
siRNA-Temozolomide Run1-DMSO	NM_015568	PPP1R16B	protein phosphatase 1, regulatory (inhibitor) subunit 16B	-0.635323	Inlier
siRNA Disorazole DMSO Run3	NM_015568	PPP1R16B	protein phosphatase 1, regulatory (inhibitor) subunit 16B	-0.311799	Inlier
siRNA Disorazole DMSO Run1	NM_015568	PPP1R16B	protein phosphatase 1, regulatory (inhibitor) subunit 16B	0.311799	Inlier
siRNA Disorazole DMSO Run2	NM_015568	PPP1R16B	protein phosphatase 1, regulatory (inhibitor) subunit 16B	0.486937	Inlier
siRNA-Vinblastine Run1-DMSO	NM_015568	PPP1R16B	protein phosphatase 1, regulatory (inhibitor) subunit 16B	1.665967	Inlier
siRNA-Vinblastine Run2-DMSO	NM_015568	PPP1R16B	protein phosphatase 1, regulatory (inhibitor) subunit 16B	2.015861	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0067 41	PPP1R1A	protein phosphatase 1, regulatory (inhibitor) subunit 1A	-1.036713	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0067 41	PPP1R1A	protein phosphatase 1, regulatory (inhibitor) subunit 1A	-0.624256	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0067 41	PPP1R1A	protein phosphatase 1, regulatory (inhibitor) subunit 1A	-0.501002	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0067 41	PPP1R1A	protein phosphatase 1, regulatory (inhibitor) subunit 1A	-0.269921	Inlier
siRNA Disorazole DMSO Run1	NM_0067 41	PPP1R1A	protein phosphatase 1, regulatory (inhibitor) subunit 1A	0.269921	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0067 41	PPP1R1A	protein phosphatase 1, regulatory (inhibitor) subunit 1A	0.724744	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0067 41	PPP1R1A	protein phosphatase 1, regulatory (inhibitor) subunit 1A	0.965337	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	41	NM_0067	PPP1R1A	protein phosphatase 1, regulatory (inhibitor) subunit 1A	1.154819	Inlier
siRNA-Temozolomide DMSO Run3-	05	NM_1815	PPP1R1B	protein phosphatase 1, regulatory (inhibitor) subunit 1B (dopamine and cAMP regulated phosphoprotein, DARPP-32)	-0.793007	Inlier
siRNA-Temozolomide DMSO Run2-	05	NM_1815	PPP1R1B	protein phosphatase 1, regulatory (inhibitor) subunit 1B (dopamine and cAMP regulated phosphoprotein, DARPP-32)	-0.555993	Inlier
siRNA Disorazole DMSO Run3	05	NM_1815	PPP1R1B	protein phosphatase 1, regulatory (inhibitor) subunit 1B (dopamine and cAMP regulated phosphoprotein, DARPP-32)	-0.376153	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

				protein phosphatase 1, regulatory (inhibitor) subunit 1B (dopamine and cAMP regulated phosphoprotein, DARPP-32)	
siRNA Disorazole DMSO Run2	NM_1815	05	PPP1R1B	32)	-0.158608 Inlier

				protein phosphatase 1, regulatory (inhibitor) subunit 1B (dopamine and cAMP regulated phosphoprotein, DARPP-32)	
siRNA-Temozolomide Run1-DMSO	NM_1815	05	PPP1R1B	32)	0.158608 Inlier

				protein phosphatase 1, regulatory (inhibitor) subunit 1B (dopamine and cAMP regulated phosphoprotein, DARPP-32)	
siRNA Disorazole DMSO Run1	NM_1815	05	PPP1R1B	32)	0.986924 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_181505	PPP1R1B	protein phosphatase 1, regulatory (inhibitor) subunit 1B (dopamine and cAMP regulated phosphoprotein, DARPP-32)	1.376035	Inlier
siRNA-Vinblastine Run1-DMSO	NM_181505	PPP1R1B	protein phosphatase 1, regulatory (inhibitor) subunit 1B (dopamine and cAMP regulated phosphoprotein, DARPP-32)	1.391854	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006241	PPP1R2	protein phosphatase 1, regulatory (inhibitor) subunit 2	-0.946115	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006241	PPP1R2	protein phosphatase 1, regulatory (inhibitor) subunit 2	-0.673777	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006241	PPP1R2	protein phosphatase 1, regulatory (inhibitor) subunit 2	-0.284905	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0062 41	PPP1R2	protein phosphatase 1, regulatory (inhibitor) subunit 2	-0.275677	Inlier
siRNA Disorazole DMSO Run1	NM_0062 41	PPP1R2	protein phosphatase 1, regulatory (inhibitor) subunit 2	0.275677	Inlier
siRNA Disorazole DMSO Run2	NM_0062 41	PPP1R2	protein phosphatase 1, regulatory (inhibitor) subunit 2	0.675223	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0062 41	PPP1R2	protein phosphatase 1, regulatory (inhibitor) subunit 2	0.946572	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0062 41	PPP1R2	protein phosphatase 1, regulatory (inhibitor) subunit 2	0.94994	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0027 11	PPP1R3A	protein phosphatase 1, regulatory (inhibitor) subunit 3A (glycogen and sarcoplasmic reticulum binding subunit, skeletal muscle)	-0.838034	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_002711	PPP1R3A	protein phosphatase 1, regulatory (inhibitor) subunit 3A (glycogen and sarcoplasmic reticulum binding subunit, skeletal muscle)	-0.584162	Inlier
siRNA Disorazole DMSO Run3	NM_002711	PPP1R3A	protein phosphatase 1, regulatory (inhibitor) subunit 3A (glycogen and sarcoplasmic reticulum binding subunit, skeletal muscle)	-0.239735	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002711	PPP1R3A	protein phosphatase 1, regulatory (inhibitor) subunit 3A (glycogen and sarcoplasmic reticulum binding subunit, skeletal muscle)	-0.033015	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0027 11	PPP1R3A	protein phosphatase 1, regulatory (inhibitor) subunit 3A (glycogen and sarcoplasmic reticulum binding subunit, skeletal muscle)	0.033015 Inlier
siRNA Disorazole DMSO Run2	NM_0027 11	PPP1R3A	protein phosphatase 1, regulatory (inhibitor) subunit 3A (glycogen and sarcoplasmic reticulum binding subunit, skeletal muscle)	0.764838 Inlier
siRNA Disorazole DMSO Run1	NM_0027 11	PPP1R3A	protein phosphatase 1, regulatory (inhibitor) subunit 3A (glycogen and sarcoplasmic reticulum binding subunit, skeletal muscle)	1.049342 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_002711	PPP1R3A	protein phosphatase 1, regulatory (inhibitor) subunit 3A (glycogen and sarcoplasmic reticulum binding subunit, skeletal muscle)	2.002004	Inlier
siRNA-Temozolomide Run2-DMSO	NM_024607	PPP1R3B	protein phosphatase 1, regulatory (inhibitor) subunit 3B	-2.062289	Inlier
siRNA-Temozolomide Run1-DMSO	NM_024607	PPP1R3B	protein phosphatase 1, regulatory (inhibitor) subunit 3B	-1.969336	Inlier
siRNA-Temozolomide Run3-DMSO	NM_024607	PPP1R3B	protein phosphatase 1, regulatory (inhibitor) subunit 3B	-0.620373	Inlier
siRNA Disorazole DMSO Run3	NM_024607	PPP1R3B	protein phosphatase 1, regulatory (inhibitor) subunit 3B	-0.106634	Inlier
siRNA Disorazole DMSO Run2	NM_024607	PPP1R3B	protein phosphatase 1, regulatory (inhibitor) subunit 3B	0.106634	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_024607	PPP1R3B	protein phosphatase 1, regulatory (inhibitor) subunit 3B	0.382761	Inlier
siRNA Disorazole DMSO Run1	NM_024607	PPP1R3B	protein phosphatase 1, regulatory (inhibitor) subunit 3B	0.728627	Inlier
siRNA-Vinblastine Run1-DMSO	NM_024607	PPP1R3B	protein phosphatase 1, regulatory (inhibitor) subunit 3B	1.149022	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005398	PPP1R3C	protein phosphatase 1, regulatory (inhibitor) subunit 3C	-0.681469	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005398	PPP1R3C	protein phosphatase 1, regulatory (inhibitor) subunit 3C	-0.667531	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005398	PPP1R3C	protein phosphatase 1, regulatory (inhibitor) subunit 3C	-0.26302	Inlier
siRNA Disorazole DMSO Run2	NM_005398	PPP1R3C	protein phosphatase 1, regulatory (inhibitor) subunit 3C	-0.051378	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0053 98	PPP1R3C	protein phosphatase 1, regulatory (inhibitor) subunit 3C	0.051378	Inlier
siRNA Disorazole DMSO Run1	NM_0053 98	PPP1R3C	protein phosphatase 1, regulatory (inhibitor) subunit 3C	0.691127	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0053 98	PPP1R3C	protein phosphatase 1, regulatory (inhibitor) subunit 3C	0.835757	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0053 98	PPP1R3C	protein phosphatase 1, regulatory (inhibitor) subunit 3C	1.290668	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0062 42	PPP1R3D	protein phosphatase 1, regulatory subunit 3D	-1.034319	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0062 42	PPP1R3D	protein phosphatase 1, regulatory subunit 3D	-0.876419	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0062 42	PPP1R3D	protein phosphatase 1, regulatory subunit 3D	-0.472581	Inlier
siRNA Disorazole DMSO Run3	NM_0062 42	PPP1R3D	protein phosphatase 1, regulatory subunit 3D	-0.234779	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0062 42	PPP1R3D	protein phosphatase 1, regulatory subunit 3D	0.234779	Inlier
siRNA Disorazole DMSO Run1	NM_0062 42	PPP1R3D	protein phosphatase 1, regulatory subunit 3D	0.32187	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0062 42	PPP1R3D	protein phosphatase 1, regulatory subunit 3D	1.131867	Inlier
siRNA Disorazole DMSO Run2	NM_0062 42	PPP1R3D	protein phosphatase 1, regulatory subunit 3D	2.78072	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0027 12	PPP1R7	protein phosphatase 1, regulatory subunit 7	-1.000928	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0027 12	PPP1R7	protein phosphatase 1, regulatory subunit 7	-0.680261	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0027 12	PPP1R7	protein phosphatase 1, regulatory subunit 7	-0.668739	Inlier
siRNA Disorazole DMSO Run1	NM_0027 12	PPP1R7	protein phosphatase 1, regulatory subunit 7	-0.176648	Inlier
siRNA Disorazole DMSO Run3	NM_0027 12	PPP1R7	protein phosphatase 1, regulatory subunit 7	0.176648	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Accession	Protein	Value	Outlier
siRNA Disorazole DMSO Run2	NM_0027	12	PPP1R7	0.475739	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0027	12	PPP1R7	1.371221	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0027	12	PPP1R7	1.46136	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1385	58	PPP1R8	-1.173412	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1385	58	PPP1R8	-0.587475	Inlier
siRNA Disorazole DMSO Run3	NM_1385	58	PPP1R8	-0.303463	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1385	58	PPP1R8	-0.095388	Inlier
siRNA Disorazole DMSO Run1	NM_1385	58	PPP1R8	0.095388	Inlier
siRNA Disorazole DMSO Run2	NM_1385	58	PPP1R8	0.761525	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_138558	PPP1R8	protein phosphatase 1, regulatory (inhibitor) subunit 8	1.415572	Inlier
siRNA-Vinblastine Run1-DMSO	NM_138558	PPP1R8	protein phosphatase 1, regulatory (inhibitor) subunit 8	1.527284	Inlier
siRNA-Temozolomide Run2-DMSO	NM_032595	PPP1R9B	protein phosphatase 1, regulatory subunit 9B, spinophilin	-0.731089	Inlier
siRNA Disorazole DMSO Run3	NM_032595	PPP1R9B	protein phosphatase 1, regulatory subunit 9B, spinophilin	-0.61791	Inlier
siRNA-Temozolomide Run3-DMSO	NM_032595	PPP1R9B	protein phosphatase 1, regulatory subunit 9B, spinophilin	-0.396989	Inlier
siRNA Disorazole DMSO Run2	NM_032595	PPP1R9B	protein phosphatase 1, regulatory subunit 9B, spinophilin	-0.080041	Inlier
siRNA-Temozolomide Run1-DMSO	NM_032595	PPP1R9B	protein phosphatase 1, regulatory subunit 9B, spinophilin	0.080041	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0325 95	PPP1R9B	protein phosphatase 1, regulatory subunit 9B, spinophilin	1.730663	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0325 95	PPP1R9B	protein phosphatase 1, regulatory subunit 9B, spinophilin	3.210876	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0325 95	PPP1R9B	protein phosphatase 1, regulatory subunit 9B, spinophilin	3.839868	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0027 15	PPP2CA	protein phosphatase 2 (formerly 2A), catalytic subunit, alpha isoform	-0.998441	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0027 15	PPP2CA	protein phosphatase 2 (formerly 2A), catalytic subunit, alpha isoform	-0.960395	Inlier
siRNA Disorazole DMSO Run3	NM_0027 15	PPP2CA	protein phosphatase 2 (formerly 2A), catalytic subunit, alpha isoform	-0.545007	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Description	Value	Outlier Status
siRNA-Temozolomide Run1-DMSO	NM_002715	PPP2CA	protein phosphatase 2 (formerly 2A), catalytic subunit, alpha isoform	-0.322691	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002715	PPP2CA	protein phosphatase 2 (formerly 2A), catalytic subunit, alpha isoform	0.322691	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002715	PPP2CA	protein phosphatase 2 (formerly 2A), catalytic subunit, alpha isoform	0.616462	Inlier
siRNA Disorazole DMSO Run1	NM_002715	PPP2CA	protein phosphatase 2 (formerly 2A), catalytic subunit, alpha isoform	0.732538	Inlier
siRNA Disorazole DMSO Run2	NM_002715	PPP2CA	protein phosphatase 2 (formerly 2A), catalytic subunit, alpha isoform	2.294461	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Description	Log Fold Change	Outlier Status
siRNA Disorazole DMSO Run2	NM_001009552	PPP2CB	protein phosphatase 2 (formerly 2A), catalytic subunit, beta isoform	-1.765355	Inlier
siRNA Disorazole DMSO Run3	NM_001009552	PPP2CB	protein phosphatase 2 (formerly 2A), catalytic subunit, beta isoform	-0.9214	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001009552	PPP2CB	protein phosphatase 2 (formerly 2A), catalytic subunit, beta isoform	-0.318476	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001009552	PPP2CB	protein phosphatase 2 (formerly 2A), catalytic subunit, beta isoform	-0.303444	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001009552	PPP2CB	protein phosphatase 2 (formerly 2A), catalytic subunit, beta isoform	0.303444	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Description	Value	Outlier Status
siRNA-Vinblastine Run2-DMSO	NM_001009552	PPP2CB	protein phosphatase 2 (formerly 2A), catalytic subunit, beta isoform	0.509386	Inlier
siRNA Disorazole DMSO Run1	NM_001009552	PPP2CB	protein phosphatase 2 (formerly 2A), catalytic subunit, beta isoform	0.839614	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001009552	PPP2CB	protein phosphatase 2 (formerly 2A), catalytic subunit, beta isoform	1.187891	Inlier
siRNA-Temozolomide Run3-DMSO	NM_014225	PPP2R1A	protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), alpha isoform	-0.837515	Inlier
siRNA-Temozolomide Run2-DMSO	NM_014225	PPP2R1A	protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), alpha isoform	-0.800067	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Run	Gene	Accession	Gene Description	Log2 Fold Change	Outlier Status
siRNA Disorazole DMSO	Run2	PPP2R1A	NM_014225	protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), alpha isoform	-0.648125	Inlier
siRNA Disorazole DMSO	Run3	PPP2R1A	NM_014225	protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), alpha isoform	-0.127037	Inlier
siRNA-Temozolomide DMSO	Run1	PPP2R1A	NM_014225	protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), alpha isoform	0.127037	Inlier
siRNA Disorazole DMSO	Run1	PPP2R1A	NM_014225	protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), alpha isoform	0.631822	Inlier
siRNA-Vinblastine DMSO	Run2	PPP2R1A	NM_014225	protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), alpha isoform	0.700875	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log Fold Change	Inlier
siRNA-Vinblastine Run1-DMSO	NM_014225	PPP2R1A	protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), alpha isoform	1.368597	Inlier
siRNA-Temozolomide Run2-DMSO	NM_181699	PPP2R1B	protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), beta isoform	-1.115664	Inlier
siRNA-Temozolomide Run3-DMSO	NM_181699	PPP2R1B	protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), beta isoform	-0.719569	Inlier
siRNA-Temozolomide Run1-DMSO	NM_181699	PPP2R1B	protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), beta isoform	-0.629431	Inlier
siRNA Disorazole DMSO Run3	NM_181699	PPP2R1B	protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), beta isoform	-0.048772	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Description	Value	Category
siRNA Disorazole DMSO Run1	NM_1816 99	PPP2R1B	protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), beta isoform	0.048772	Inlier
siRNA Disorazole DMSO Run2	NM_1816 99	PPP2R1B	protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), beta isoform	0.48889	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1816 99	PPP2R1B	protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), beta isoform	0.795083	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1816 99	PPP2R1B	protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), beta isoform	1.393859	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0027 17	PPP2R2A	protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), alpha isoform	-0.720818	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log Fold Change	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_002717	PPP2R2A	protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), alpha isoform	-0.707109	Inlier
siRNA Disorazole DMSO Run2	NM_002717	PPP2R2A	protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), alpha isoform	-0.641891	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002717	PPP2R2A	protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), alpha isoform	-0.002107	Inlier
siRNA Disorazole DMSO Run3	NM_002717	PPP2R2A	protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), alpha isoform	0.002107	Inlier
siRNA Disorazole DMSO Run1	NM_002717	PPP2R2A	protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), alpha isoform	0.303143	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Description	Log2 Fold Change	Significance
siRNA-Vinblastine Run2-DMSO	NM_002717	PPP2R2A	protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), alpha isoform	1.116355	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002717	PPP2R2A	protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), alpha isoform	1.573582	Inlier
siRNA-Temozolomide Run2-DMSO	NM_181678	PPP2R2B	protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), beta isoform	-2.224032	Inlier
siRNA-Temozolomide Run3-DMSO	NM_181678	PPP2R2B	protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), beta isoform	-1.964365	Inlier
siRNA Disorazole DMSO Run2	NM_181678	PPP2R2B	protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), beta isoform	-1.892408	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log Fold Change	Outlier Status
siRNA Disorazole DMSO Run3	NM_181678	PPP2R2B	protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), beta isoform	-0.036794	Inlier
siRNA-Vinblastine Run1-DMSO	NM_181678	PPP2R2B	protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), beta isoform	0.036794	Inlier
siRNA Disorazole DMSO Run1	NM_181678	PPP2R2B	protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), beta isoform	0.436283	Inlier
siRNA-Temozolomide Run1-DMSO	NM_181678	PPP2R2B	protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), beta isoform	0.436562	Inlier
siRNA-Vinblastine Run2-DMSO	NM_181678	PPP2R2B	protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), beta isoform	0.912438	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log Fold Change	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_020416	PPP2R2C	protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), gamma isoform	-1.077959	Inlier
siRNA Disorazole DMSO Run3	NM_020416	PPP2R2C	protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), gamma isoform	-0.868725	Inlier
siRNA Disorazole DMSO Run1	NM_020416	PPP2R2C	protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), gamma isoform	-0.480275	Inlier
siRNA-Temozolomide Run3-DMSO	NM_020416	PPP2R2C	protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), gamma isoform	-0.045794	Inlier
siRNA Disorazole DMSO Run2	NM_020416	PPP2R2C	protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), gamma isoform	0.045794	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Value	Outlier Status
siRNA-Vinblastine Run1-DMSO	NM_020416	PPP2R2C	protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), gamma isoform	0.335846	Inlier
siRNA-Vinblastine Run2-DMSO	NM_020416	PPP2R2C	protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), gamma isoform	0.956318	Inlier
siRNA-Temozolomide Run1-DMSO	NM_020416	PPP2R2C	protein phosphatase 2, regulatory subunit B, gamma isoform	1.036206	Inlier
siRNA-Temozolomide Run3-DMSO	NM_018461	PPP2R2D	protein phosphatase 2, regulatory subunit B, delta isoform	-1.977845	Inlier
siRNA-Temozolomide Run2-DMSO	NM_018461	PPP2R2D	protein phosphatase 2, regulatory subunit B, delta isoform	-1.193393	Inlier
siRNA-Temozolomide Run1-DMSO	NM_018461	PPP2R2D	protein phosphatase 2, regulatory subunit B, delta isoform	-0.749043	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0184 61	PPP2R2D	protein phosphatase 2, regulatory subunit B, delta isoform	-0.027482	Inlier
siRNA Disorazole DMSO Run3	NM_0184 61	PPP2R2D	protein phosphatase 2, regulatory subunit B, delta isoform	0.027482	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0184 61	PPP2R2D	protein phosphatase 2, regulatory subunit B, delta isoform	0.55236	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0184 61	PPP2R2D	protein phosphatase 2, regulatory subunit B, delta isoform	0.599957	Inlier
siRNA Disorazole DMSO Run2	NM_0184 61	PPP2R2D	protein phosphatase 2 (formerly 2A), regulatory subunit B, delta isoform	1.188637	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0027 18	PPP2R3A	protein phosphatase 2 (formerly 2A), regulatory subunit B, alpha	-1.406203	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0027 18	PPP2R3A	protein phosphatase 2 (formerly 2A), regulatory subunit B, alpha	-0.987805	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Gene	Protein	Log2FC	Category
siRNA Disorazole DMSO Run2	NM_0027	18	PPP2R3A	protein phosphatase 2 (formerly 2A), regulatory subunit B, alpha	-0.348714	Inlier
siRNA Disorazole DMSO Run1	NM_0027	18	PPP2R3A	protein phosphatase 2 (formerly 2A), regulatory subunit B, alpha	-0.302475	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0027	18	PPP2R3A	protein phosphatase 2 (formerly 2A), regulatory subunit B, alpha	0.302475	Inlier
siRNA Disorazole DMSO Run3	NM_0027	18	PPP2R3A	protein phosphatase 2 (formerly 2A), regulatory subunit B, alpha	0.361195	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0027	18	PPP2R3A	protein phosphatase 2 (formerly 2A), regulatory subunit B, alpha	0.989991	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0027	18	PPP2R3A	protein phosphatase 2 (formerly 2A), regulatory subunit B, alpha	1.512995	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log Fold Change	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_178001	PPP2R4	protein phosphatase 2A, regulatory subunit B (PR 53)	-1.174903	Inlier
siRNA-Temozolomide Run2-DMSO	NM_178001	PPP2R4	protein phosphatase 2A, regulatory subunit B (PR 53)	-0.296312	Inlier
siRNA-Temozolomide Run1-DMSO	NM_178001	PPP2R4	protein phosphatase 2A, regulatory subunit B (PR 53)	-0.13041	Inlier
siRNA Disorazole DMSO Run3	NM_178001	PPP2R4	protein phosphatase 2A, regulatory subunit B (PR 53)	-0.108521	Inlier
siRNA Disorazole DMSO Run1	NM_178001	PPP2R4	protein phosphatase 2A, regulatory subunit B (PR 53)	0.108521	Inlier
siRNA-Vinblastine Run2-DMSO	NM_178001	PPP2R4	protein phosphatase 2A, regulatory subunit B (PR 53)	1.052688	Inlier
siRNA-Vinblastine Run1-DMSO	NM_178001	PPP2R4	protein phosphatase 2A, regulatory subunit B (PR 53)	1.083143	Inlier
siRNA Disorazole DMSO Run2	NM_178001	PPP2R4	protein phosphatase 2A, regulatory subunit B (PR 53)	1.164166	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Gene Name	Value	Category
siRNA-Temozolomide Run2-DMSO	NM_006243	PPP2R5A	protein phosphatase 2, regulatory subunit B (B56), alpha isoform	-3.67711	Outlier
siRNA-Temozolomide Run3-DMSO	NM_006243	PPP2R5A	protein phosphatase 2, regulatory subunit B (B56), alpha isoform	-2.628875	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006243	PPP2R5A	protein phosphatase 2, regulatory subunit B (B56), alpha isoform	-0.419686	Inlier
siRNA Disorazole DMSO Run3	NM_006243	PPP2R5A	protein phosphatase 2, regulatory subunit B (B56), alpha isoform	-0.267864	Inlier
siRNA Disorazole DMSO Run2	NM_006243	PPP2R5A	protein phosphatase 2, regulatory subunit B (B56), alpha isoform	0.267864	Inlier
siRNA Disorazole DMSO Run1	NM_006243	PPP2R5A	protein phosphatase 2, regulatory subunit B (B56), alpha isoform	0.353054	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Value	Category
siRNA-Vinblastine Run2-DMSO	NM_006243	PPP2R5A	protein phosphatase 2, regulatory subunit B (B56), alpha isoform	0.929314	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006243	PPP2R5A	protein phosphatase 2, regulatory subunit B (B56), alpha isoform	1.05697	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006244	PPP2R5B	protein phosphatase 2, regulatory subunit B (B56), beta isoform	-1.217478	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006244	PPP2R5B	protein phosphatase 2, regulatory subunit B (B56), beta isoform	-0.906674	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006244	PPP2R5B	protein phosphatase 2, regulatory subunit B (B56), beta isoform	-0.820347	Inlier
siRNA Disorazole DMSO Run1	NM_006244	PPP2R5B	protein phosphatase 2, regulatory subunit B (B56), beta isoform	-0.137035	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Value	Outlier Status
siRNA-Vinblastine Run2-DMSO	NM_006244	PPP2R5B	protein phosphatase 2, regulatory subunit B (B56), beta isoform	0.137035	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006244	PPP2R5B	protein phosphatase 2, regulatory subunit B (B56), beta isoform	0.438092	Inlier
siRNA Disorazole DMSO Run3	NM_006244	PPP2R5B	protein phosphatase 2, regulatory subunit B (B56), beta isoform	0.528653	Inlier
siRNA Disorazole DMSO Run2	NM_006244	PPP2R5B	protein phosphatase 2, regulatory subunit B (B56), beta isoform	1.623803	Inlier
siRNA-Temozolomide Run2-DMSO	NM_178588	PPP2R5C	protein phosphatase 2, regulatory subunit B (B56), gamma isoform	-2.54094	Inlier
siRNA-Temozolomide Run1-DMSO	NM_178588	PPP2R5C	protein phosphatase 2, regulatory subunit B (B56), gamma isoform	-1.718368	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Value	Category
siRNA Disorazole DMSO Run1	NM_178588	PPP2R5C	protein phosphatase 2, regulatory subunit B (B56), gamma isoform	-0.935664	Inlier
siRNA-Vinblastine Run2-DMSO	NM_178588	PPP2R5C	protein phosphatase 2, regulatory subunit B (B56), gamma isoform	-0.126686	Inlier
siRNA Disorazole DMSO Run2	NM_178588	PPP2R5C	protein phosphatase 2, regulatory subunit B (B56), gamma isoform	0.126686	Inlier
siRNA-Temozolomide Run3-DMSO	NM_178588	PPP2R5C	protein phosphatase 2, regulatory subunit B (B56), gamma isoform	0.153107	Inlier
siRNA Disorazole DMSO Run3	NM_178588	PPP2R5C	protein phosphatase 2, regulatory subunit B (B56), gamma isoform	0.413336	Inlier
siRNA-Vinblastine Run1-DMSO	NM_178588	PPP2R5C	protein phosphatase 2, regulatory subunit B (B56), gamma isoform	2.632541	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log Fold Change	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_180977	PPP2R5D	protein phosphatase 2, regulatory subunit B (B56), delta isoform	-2.491319	Inlier
siRNA-Temozolomide Run1-DMSO	NM_180977	PPP2R5D	protein phosphatase 2, regulatory subunit B (B56), delta isoform	-1.320148	Inlier
siRNA Disorazole DMSO Run1	NM_180977	PPP2R5D	protein phosphatase 2, regulatory subunit B (B56), delta isoform	-0.261005	Inlier
siRNA-Vinblastine Run1-DMSO	NM_180977	PPP2R5D	protein phosphatase 2, regulatory subunit B (B56), delta isoform	-0.015165	Inlier
siRNA-Temozolomide Run3-DMSO	NM_180977	PPP2R5D	protein phosphatase 2, regulatory subunit B (B56), delta isoform	0.015165	Inlier
siRNA-Vinblastine Run2-DMSO	NM_180977	PPP2R5D	protein phosphatase 2, regulatory subunit B (B56), delta isoform	0.357299	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Condition	Run	Gene	Accession	Protein	Score	Inlier
siRNA Disorazole	DMSO	Run3	77	NM_1809	PPP2R5D isoform protein phosphatase 2, regulatory subunit B (B56), delta	0.991701	Inlier
siRNA Disorazole	DMSO	Run2	77	NM_1809	PPP2R5D isoform protein phosphatase 2, regulatory subunit B (B56), delta	1.11537	Inlier
siRNA-Temozolomide	DMSO	Run2-	46	NM_0062	PPP2R5E isoform protein phosphatase 2, regulatory subunit B (B56), epsilon	-1.000466	Inlier
siRNA-Temozolomide	DMSO	Run3-	46	NM_0062	PPP2R5E isoform protein phosphatase 2, regulatory subunit B (B56), epsilon	-0.698581	Inlier
siRNA Disorazole	DMSO	Run3	46	NM_0062	PPP2R5E isoform protein phosphatase 2, regulatory subunit B (B56), epsilon	-0.650419	Inlier
siRNA Disorazole	DMSO	Run1	46	NM_0062	PPP2R5E isoform protein phosphatase 2, regulatory subunit B (B56), epsilon	-0.001739	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log2 Fold Change	Outlier Status
siRNA-Temozolomide Run1-DMSO	NM_006246	PPP2R5E	protein phosphatase 2, regulatory subunit B (B56), epsilon isoform	0.001739	Inlier
siRNA Disorazole DMSO Run2	NM_006246	PPP2R5E	protein phosphatase 2, regulatory subunit B (B56), epsilon isoform	0.310357	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006246	PPP2R5E	protein phosphatase 2, regulatory subunit B (B56), epsilon isoform	0.749277	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006246	PPP2R5E	protein phosphatase 3 (formerly 2B), catalytic subunit, alpha isoform	0.873764	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000944	PPP3CA	calcineurin A alpha	-2.429997	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log Fold Change	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_000944	PPP3CA	protein phosphatase 3 (formerly 2B), catalytic subunit, alpha isoform (calcineurin A alpha)	-1.688655	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000944	PPP3CA	protein phosphatase 3 (formerly 2B), catalytic subunit, alpha isoform (calcineurin A alpha)	-0.877245	Inlier
siRNA Disorazole DMSO Run3	NM_000944	PPP3CA	protein phosphatase 3 (formerly 2B), catalytic subunit, alpha isoform (calcineurin A alpha)	-0.117263	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000944	PPP3CA	protein phosphatase 3 (formerly 2B), catalytic subunit, alpha isoform (calcineurin A alpha)	0.117263	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Symbol	Protein Description	Value	Outlier Status
siRNA Disorazole DMSO Run1	NM_000944	PPP3CA	protein phosphatase 3 (formerly 2B), catalytic subunit, alpha isoform (calcineurin A alpha)	0.153684	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000944	PPP3CA	protein phosphatase 3 (formerly 2B), catalytic subunit, alpha isoform (calcineurin A alpha)	0.471755	Inlier
siRNA Disorazole DMSO Run2	NM_000944	PPP3CA	protein phosphatase 3 (formerly 2B), catalytic subunit, beta isoform (calcineurin A beta)	3.020069	Inlier
siRNA-Temozolomide Run2-DMSO	NM_021132	PPP3CB	protein phosphatase 3 (formerly 2B), catalytic subunit, beta isoform (calcineurin A beta)	-1.998222	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Description	Log2 Fold Change	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_021132	PPP3CB	protein phosphatase 3 (formerly 2B), catalytic subunit, beta isoform (calcineurin A beta)	-1.363523	Inlier
siRNA Disorazole DMSO Run1	NM_021132	PPP3CB	protein phosphatase 3 (formerly 2B), catalytic subunit, beta isoform (calcineurin A beta)	-0.156418	Inlier
siRNA-Temozolomide Run1-DMSO	NM_021132	PPP3CB	protein phosphatase 3 (formerly 2B), catalytic subunit, beta isoform (calcineurin A beta)	-0.003023	Inlier
siRNA Disorazole DMSO Run2	NM_021132	PPP3CB	protein phosphatase 3 (formerly 2B), catalytic subunit, beta isoform (calcineurin A beta)	0.003023	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Score	Outlier Status
siRNA Disorazole DMSO Run3	NM_021132	PPP3CB	protein phosphatase 3 (formerly 2B), catalytic subunit, beta isoform (calcineurin A beta)	0.670061	Inlier
siRNA-Vinblastine Run1-DMSO	NM_021132	PPP3CB	protein phosphatase 3 (formerly 2B), catalytic subunit, beta isoform (calcineurin A beta)	0.678939	Inlier
siRNA-Vinblastine Run2-DMSO	NM_021132	PPP3CB	protein phosphatase 3 (formerly 2B), catalytic subunit, gamma isoform (calcineurin A gamma)	0.761946	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005605	PPP3CC	protein phosphatase 3 (formerly 2B), catalytic subunit, gamma isoform (calcineurin A gamma)	-1.005187	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Protein	Log Fold Change	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_005605	PPP3CC protein phosphatase 3 (formerly 2B), catalytic subunit, gamma isoform (calcineurin A gamma)	-0.537914	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005605	PPP3CC protein phosphatase 3 (formerly 2B), catalytic subunit, gamma isoform (calcineurin A gamma)	-0.481019	Inlier
siRNA Disorazole DMSO Run1	NM_005605	PPP3CC protein phosphatase 3 (formerly 2B), catalytic subunit, gamma isoform (calcineurin A gamma)	-0.211215	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005605	PPP3CC protein phosphatase 3 (formerly 2B), catalytic subunit, gamma isoform (calcineurin A gamma)	0.211215	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_005605	PPP3CC	protein phosphatase 3 (formerly 2B), catalytic subunit, gamma isoform (calcineurin A gamma)	0.811086	Inlier
siRNA Disorazole DMSO Run3	NM_005605	PPP3CC	protein phosphatase 3 (formerly 2B), catalytic subunit, gamma isoform (calcineurin A gamma)	1.332608	Inlier
siRNA Disorazole DMSO Run2	NM_005605	PPP3CC	protein phosphatase 3 (formerly 2B), catalytic subunit, gamma isoform (calcineurin A gamma)	2.239696	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000945	PPP3R1	protein phosphatase 3 (formerly 2B), regulatory subunit B, 19kDa, alpha isoform (calcineurin B, type I)	-1.736762	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_000945	PPP3R1	protein phosphatase 3 (formerly 2B), regulatory subunit B, 19kDa, alpha isoform (calcineurin B, type I)	-0.738085	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000945	PPP3R1	protein phosphatase 3 (formerly 2B), regulatory subunit B, 19kDa, alpha isoform (calcineurin B, type I)	-0.610915	Inlier
siRNA Disorazole DMSO Run1	NM_000945	PPP3R1	protein phosphatase 3 (formerly 2B), regulatory subunit B, 19kDa, alpha isoform (calcineurin B, type I)	-0.374155	Inlier
siRNA Disorazole DMSO Run3	NM_000945	PPP3R1	protein phosphatase 3 (formerly 2B), regulatory subunit B, 19kDa, alpha isoform (calcineurin B, type I)	0.374156	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0009 45	PPP3R1	protein phosphatase 3 (formerly 2B), regulatory subunit B, 19kDa, alpha isoform (calcineurin B, type I)	0.407887	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0009 45	PPP3R1	protein phosphatase 3 (formerly 2B), regulatory subunit B, 19kDa, alpha isoform (calcineurin B, type I)	1.128697	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0009 45	PPP3R1	protein phosphatase 3 (formerly 2B), regulatory subunit B, 19kDa, alpha isoform (calcineurin B, type I)	1.603775	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1471 80	PPP3R2	protein phosphatase 3 (formerly 2B), regulatory subunit B, 19kDa, beta isoform (calcineurin B, type II)	-4.790887	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_147180	PPP3R2	protein phosphatase 3 (formerly 2B), regulatory subunit B, 19kDa, beta isoform (calcineurin B, type II)	-2.966812	Inlier
siRNA Disorazole DMSO Run1	NM_147180	PPP3R2	protein phosphatase 3 (formerly 2B), regulatory subunit B, 19kDa, beta isoform (calcineurin B, type II)	-0.854388	Inlier
siRNA-Vinblastine Run1-DMSO	NM_147180	PPP3R2	protein phosphatase 3 (formerly 2B), regulatory subunit B, 19kDa, beta isoform (calcineurin B, type II)	-0.106738	Inlier
siRNA-Vinblastine Run2-DMSO	NM_147180	PPP3R2	protein phosphatase 3 (formerly 2B), regulatory subunit B, 19kDa, beta isoform (calcineurin B, type II)	0.10674	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_147180	PPP3R2	protein phosphatase 3 (formerly 2B), regulatory subunit B, 19kDa, beta isoform (calcineurin B, type II)	0.305431	Inlier
siRNA Disorazole DMSO Run2	NM_147180	PPP3R2	protein phosphatase 3 (formerly 2B), regulatory subunit B, 19kDa, beta isoform (calcineurin B, type II)	0.494612	Inlier
siRNA Disorazole DMSO Run3	NM_147180	PPP3R2	protein phosphatase 3 (formerly 2B), regulatory subunit B, 19kDa, beta isoform (calcineurin B, type II)	1.976879	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002720	PPP4C	protein phosphatase 4 (formerly X), catalytic subunit	-1.424807	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log Fold Change	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_002720	PPP4C	protein phosphatase 4 (formerly X), catalytic subunit	-1.102879	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002720	PPP4C	protein phosphatase 4 (formerly X), catalytic subunit	-0.823485	Inlier
siRNA Disorazole DMSO Run1	NM_002720	PPP4C	protein phosphatase 4 (formerly X), catalytic subunit	-0.151522	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002720	PPP4C	protein phosphatase 4 (formerly X), catalytic subunit	0.151522	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002720	PPP4C	protein phosphatase 4 (formerly X), catalytic subunit	0.25008	Inlier
siRNA Disorazole DMSO Run3	NM_002720	PPP4C	protein phosphatase 4 (formerly X), catalytic subunit	0.525515	Inlier
siRNA Disorazole DMSO Run2	NM_002720	PPP4C	protein phosphatase 4 (formerly X), catalytic subunit	0.978155	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Accession	Protein	Score	Category
siRNA Disorazole DMSO Run3	NM_0051	34	PPP4R1	-0.979358	Inlier
siRNA Disorazole DMSO Run1	NM_0051	34	PPP4R1	-0.897599	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0051	34	PPP4R1	-0.567617	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0051	34	PPP4R1	-0.187384	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0051	34	PPP4R1	0.187384	Inlier
siRNA Disorazole DMSO Run2	NM_0051	34	PPP4R1	0.454749	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0051	34	PPP4R1	0.781383	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0051	34	PPP4R1	0.918744	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1749	07	PPP4R2	-1.558227	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1749	07	PPP4R2	-1.07822	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Protein	Log2 Fold Change	Outlier Type
siRNA Disorazole DMSO Run1	NM_174907	PPP4R2	-0.273742	Inlier
siRNA-Temozolomide Run3-DMSO	NM_174907	PPP4R2	-0.083459	Inlier
siRNA Disorazole DMSO Run3	NM_174907	PPP4R2	0.08346	Inlier
siRNA-Vinblastine Run2-DMSO	NM_174907	PPP4R2	0.651772	Inlier
siRNA-Vinblastine Run1-DMSO	NM_174907	PPP4R2	0.697228	Inlier
siRNA Disorazole DMSO Run2	NM_174907	PPP4R2	2.556934	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006247	PPP5C	-1.507693	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006247	PPP5C	-1.336092	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006247	PPP5C	-0.573444	Inlier
siRNA Disorazole DMSO Run1	NM_006247	PPP5C	-0.568331	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Accession	Protein Name	Score	Outlier Status
siRNA Disorazole DMSO Run3	NM_0027	21	PPP6C	0.707798	Inlier
siRNA Disorazole DMSO Run2	NM_0027	21	PPP6C	0.872831	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0003	10	PPT1	-2.65156	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0003	10	PPT1	-2.113817	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0003	10	PPT1	-0.618848	Inlier
siRNA Disorazole DMSO Run3	NM_0003	10	PPT1	-0.012374	Inlier

protein phosphatase 6, catalytic subunit
 protein phosphatase 6, catalytic subunit
 palmitoyl-protein thioesterase 1 (ceroid-lipofuscinosis, neuronal 1, infantile)
 palmitoyl-protein thioesterase 1 (ceroid-lipofuscinosis, neuronal 1, infantile)
 palmitoyl-protein thioesterase 1 (ceroid-lipofuscinosis, neuronal 1, infantile)

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0003 10	PPT1	palmitoyl-protein thioesterase 1 (ceroid-lipofuscinosis, neuronal 1, infantile)	0.012374	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0003 10	PPT1	palmitoyl-protein thioesterase 1 (ceroid-lipofuscinosis, neuronal 1, infantile)	0.23664	Inlier
siRNA Disorazole DMSO Run1	NM_0003 10	PPT1	palmitoyl-protein thioesterase 1 (ceroid-lipofuscinosis, neuronal 1, infantile)	0.730152	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0003 10	PPT1	palmitoyl-protein thioesterase 1 (ceroid-lipofuscinosis, neuronal 1, infantile)	2.055012	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1387 17	PPT2	palmitoyl-protein thioesterase 2	-2.263897	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1387 17	PPT2	palmitoyl-protein thioesterase 2	-2.186256	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1387 17	PPT2	palmitoyl-protein thioesterase 2	-0.300154	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1387 17	PPT2	palmitoyl- protein thioestera se 2	-0.127906	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1387 17	PPT2	palmitoyl- protein thioestera se 2	0.127906	Inlier
siRNA Disorazole DMSO Run3	NM_1387 17	PPT2	palmitoyl- protein thioestera se 2	0.174478	Inlier
siRNA Disorazole DMSO Run2	NM_1387 17	PPT2	palmitoyl- protein thioestera se 2	1.048846	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1387 17	PPT2	palmitoyl- protein thioestera se 2	1.073528	Inlier
siRNA Disorazole DMSO Run2	NM_0059 72	PPYR1	pancreatic polypeptid e receptor 1	-1.671161	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0059 72	PPYR1	pancreatic polypeptid e receptor 1	-0.89729	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0059 72	PPYR1	pancreatic polypeptid e receptor 1	-0.686578	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0059 72	PPYR1	pancreatic polypeptid e receptor 1	-0.057414	Inlier
siRNA Disorazole DMSO Run3	NM_0059 72	PPYR1	pancreatic polypeptid e receptor 1	0.057414	Inlier
siRNA Disorazole DMSO Run1	NM_0059 72	PPYR1	pancreatic polypeptid e receptor 1	0.269884	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_005972	PPYR1	pancreatic polypeptide receptor 1	0.672177	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005972	PPYR1	pancreatic polypeptide receptor 1	0.676823	Inlier
siRNA-Temozolomide Run3-DMSO	NM_199326	PR48	protein phosphatase 2 (formerly 2A), regulatory subunit B', beta	-2.350044	Inlier
siRNA-Temozolomide Run2-DMSO	NM_199326	PR48	protein phosphatase 2 (formerly 2A), regulatory subunit B', beta	-2.105463	Inlier
siRNA Disorazole DMSO Run3	NM_199326	PR48	protein phosphatase 2 (formerly 2A), regulatory subunit B', beta	-0.395597	Inlier
siRNA-Temozolomide Run1-DMSO	NM_199326	PR48	protein phosphatase 2 (formerly 2A), regulatory subunit B', beta	-0.093133	Inlier
siRNA Disorazole DMSO Run1	NM_199326	PR48	protein phosphatase 2 (formerly 2A), regulatory subunit B', beta	0.093134	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_1993 26	PR48	protein phosphatase 2 (formerly 2A), regulatory subunit B', beta	0.17096	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1993 26	PR48	protein phosphatase 2 (formerly 2A), regulatory subunit B', beta	0.953403	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1993 26	PR48	protein phosphatase 2 (formerly 2A), regulatory subunit B', beta	1.45532	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0050 40	PRCP	prolylcarboxypeptidase (angiotensinase C)	-1.064483	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0050 40	PRCP	prolylcarboxypeptidase (angiotensinase C)	-0.554482	Inlier
siRNA Disorazole DMSO Run3	NM_0050 40	PRCP	prolylcarboxypeptidase (angiotensinase C)	-0.469231	Inlier
siRNA Disorazole DMSO Run2	NM_0050 40	PRCP	prolylcarboxypeptidase (angiotensinase C)	-0.290152	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0050 40	PRCP	prolylcarboxypeptidase (angiotensinase C)	0.290152	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			prolylcarbo xypeptidas e	
siRNA Disorazole DMSO Run1	NM_0050 40	PRCP	(angiotens inase C)	0.794518 Inlier
			prolylcarbo xypeptidas e	
siRNA-Vinblastine Run1- DMSO	NM_0050 40	PRCP	(angiotens inase C)	1.493941 Inlier
			prolylcarbo xypeptidas e	
siRNA-Vinblastine Run2- DMSO	NM_0050 40	PRCP	(angiotens inase C)	2.201363 Inlier
siRNA-Temozolomide Run3- DMSO	NM_1816 97	PRDX1	peroxiredo xin 1	-1.901529 Inlier
siRNA-Temozolomide Run2- DMSO	NM_1816 97	PRDX1	peroxiredo xin 1	-0.718448 Inlier
siRNA-Vinblastine Run2- DMSO	NM_1816 97	PRDX1	peroxiredo xin 1	-0.453431 Inlier
	NM_1816		peroxiredo	
siRNA Disorazole DMSO Run3	97	PRDX1	xin 1	-0.099014 Inlier
	NM_1816		peroxiredo	
siRNA Disorazole DMSO Run1	97	PRDX1	xin 1	0.099015 Inlier
siRNA-Temozolomide Run1- DMSO	NM_1816 97	PRDX1	peroxiredo xin 1	0.630552 Inlier
	NM_1816		peroxiredo	
siRNA Disorazole DMSO Run2	97	PRDX1	xin 1	0.869618 Inlier
siRNA-Vinblastine Run1- DMSO	NM_1816 97	PRDX1	peroxiredo xin 1	1.42558 Inlier
siRNA-Temozolomide Run1- DMSO	NM_1817 37	PRDX2	peroxiredo xin 2	-0.726617 Inlier
siRNA-Temozolomide Run2- DMSO	NM_1817 37	PRDX2	peroxiredo xin 2	-0.622383 Inlier
	NM_1817		peroxiredo	
siRNA Disorazole DMSO Run1	37	PRDX2	xin 2	-0.611772 Inlier
	NM_1817		peroxiredo	
siRNA Disorazole DMSO Run3	37	PRDX2	xin 2	-0.25545 Inlier
siRNA-Temozolomide Run3- DMSO	NM_1817 37	PRDX2	peroxiredo xin 2	0.255448 Inlier
siRNA-Vinblastine Run1- DMSO	NM_1817 37	PRDX2	peroxiredo xin 2	1.214215 Inlier
siRNA-Vinblastine Run2- DMSO	NM_1817 37	PRDX2	peroxiredo xin 2	1.607975 Inlier
	NM_1817		peroxiredo	
siRNA Disorazole DMSO Run2	37	PRDX2	xin 2	4.390152 Outlier
siRNA-Temozolomide Run2- DMSO	NM_0140 98	PRDX3	peroxiredo xin 3	-0.779985 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0140 98	PRDX3	peroxiredo xin 3	-0.569015 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_0140		peroxiredo	
siRNA Disorazole DMSO Run3	98	PRDX3	xin 3	-0.274858 Inlier
siRNA-Vinblastine Run2-	NM_0140		peroxiredo	
DMSO	98	PRDX3	xin 3	-0.074707 Inlier
	NM_0140		peroxiredo	
siRNA Disorazole DMSO Run1	98	PRDX3	xin 3	0.074707 Inlier
siRNA-Temozolomide Run1-	NM_0140		peroxiredo	
DMSO	98	PRDX3	xin 3	1.211922 Inlier
siRNA-Vinblastine Run1-	NM_0140		peroxiredo	
DMSO	98	PRDX3	xin 3	2.296768 Inlier
	NM_0140		peroxiredo	
siRNA Disorazole DMSO Run2	98	PRDX3	xin 3	2.367168 Inlier
siRNA-Temozolomide Run3-	NM_0064		peroxiredo	
DMSO	06	PRDX4	xin 4	-0.947685 Inlier
	NM_0064		peroxiredo	
siRNA Disorazole DMSO Run3	06	PRDX4	xin 4	-0.87297 Inlier
siRNA-Vinblastine Run2-	NM_0064		peroxiredo	
DMSO	06	PRDX4	xin 4	-0.47603 Inlier
siRNA-Temozolomide Run2-	NM_0064		peroxiredo	
DMSO	06	PRDX4	xin 4	-0.021491 Inlier
	NM_0064		peroxiredo	
siRNA Disorazole DMSO Run1	06	PRDX4	xin 4	0.021491 Inlier
siRNA-Temozolomide Run1-	NM_0064		peroxiredo	
DMSO	06	PRDX4	xin 4	0.434935 Inlier
	NM_0064		peroxiredo	
siRNA Disorazole DMSO Run2	06	PRDX4	xin 4	1.665524 Inlier
siRNA-Vinblastine Run1-	NM_0064		peroxiredo	
DMSO	06	PRDX4	xin 4	2.731335 Inlier
siRNA-Temozolomide Run3-	NM_1816		peroxiredo	
DMSO	52	PRDX5	xin 5	-2.277596 Inlier
siRNA-Temozolomide Run2-	NM_1816		peroxiredo	
DMSO	52	PRDX5	xin 5	-2.104162 Inlier
siRNA-Vinblastine Run2-	NM_1816		peroxiredo	
DMSO	52	PRDX5	xin 5	-0.300625 Inlier
	NM_1816		peroxiredo	
siRNA Disorazole DMSO Run3	52	PRDX5	xin 5	-0.066221 Inlier
	NM_1816		peroxiredo	
siRNA Disorazole DMSO Run1	52	PRDX5	xin 5	0.06622 Inlier
siRNA-Temozolomide Run1-	NM_1816		peroxiredo	
DMSO	52	PRDX5	xin 5	0.240929 Inlier
	NM_1816		peroxiredo	
siRNA Disorazole DMSO Run2	52	PRDX5	xin 5	1.048375 Inlier
siRNA-Vinblastine Run1-	NM_1816		peroxiredo	
DMSO	52	PRDX5	xin 5	1.083632 Inlier
siRNA-Temozolomide Run3-	NM_0049		peroxiredo	
DMSO	05	PRDX6	xin 6	-1.094263 Inlier
siRNA-Temozolomide Run2-	NM_0049		peroxiredo	
DMSO	05	PRDX6	xin 6	-0.68075 Inlier
	NM_0049		peroxiredo	
siRNA Disorazole DMSO Run3	05	PRDX6	xin 6	-0.66825 Inlier
	NM_0049		peroxiredo	
siRNA Disorazole DMSO Run1	05	PRDX6	xin 6	-0.029198 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA-Vinblastine Run2- DMSO	NM_0049 05	PRDX6	peroxiredo xin 6	0.029198	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0049 05	PRDX6	peroxiredo xin 6	0.385174	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0049 05	PRDX6	peroxiredo xin 6	1.394884	Inlier
siRNA Disorazole DMSO Run2	NM_0049 05	PRDX6	peroxiredo xin 6	1.473774	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0027 26	PREP	prolyl endopepti dase	-1.647537	Inlier
siRNA Disorazole DMSO Run1	NM_0027 26	PREP	prolyl endopepti dase	-1.253502	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0027 26	PREP	prolyl endopepti dase	-0.944093	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0027 26	PREP	prolyl endopepti dase	-0.005145	Inlier
siRNA Disorazole DMSO Run3	NM_0027 26	PREP	prolyl endopepti dase	0.005145	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0027 26	PREP	prolyl endopepti dase	0.470093	Inlier
siRNA Disorazole DMSO Run2	NM_0027 26	PREP	prolyl endopepti dase	0.602089	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0027 26	PREP	prolyl endopepti dase	0.746911	Inlier
siRNA Disorazole DMSO Run1	NM_0009 46	PRIM1	primase, polypeptid e 1, 49kDa	-2.899981	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0009 46	PRIM1	primase, polypeptid e 1, 49kDa	-0.484351	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0009 46	PRIM1	primase, polypeptid e 1, 49kDa	-0.451524	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0009 46	PRIM1	primase, polypeptid e 1, 49kDa	-0.288032	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0009 46	PRIM1	primase, polypeptid e 1, 49kDa	0.288033	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0009 46	PRIM1	primase, polypeptid e 1, 49kDa	0.864649	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0009 46	PRIM1	primase, polypeptid e 1, 49kDa	3.36888	Inlier
siRNA Disorazole DMSO Run2	NM_0009 46	PRIM1	primase, polypeptid e 1, 49kDa	3.897933	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0009 47	PRIM2A	primase, polypeptid e 2A, 58kDa	-1.575427	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0009 47	PRIM2A	primase, polypeptid e 2A, 58kDa	-1.107469	Inlier
siRNA Disorazole DMSO Run1	NM_0009 47	PRIM2A	primase, polypeptid e 2A, 58kDa	-0.354231	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0009 47	PRIM2A	primase, polypeptid e 2A, 58kDa	-0.20161	Inlier
siRNA Disorazole DMSO Run3	NM_0009 47	PRIM2A	primase, polypeptid e 2A, 58kDa	0.20161	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0009 47	PRIM2A	primase, polypeptid e 2A, 58kDa	0.292176	Inlier
siRNA Disorazole DMSO Run2	NM_0009 47	PRIM2A	primase, polypeptid e 2A, 58kDa	0.994769	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0009 47	PRIM2A	primase, polypeptid e 2A, 58kDa	2.501426	Inlier
siRNA Disorazole DMSO Run2	NM_0062 51	PRKAA1	protein kinase, AMP- activated, alpha 1 catalytic subunit	-0.695808	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Symbol	Protein Description	Log Fold Change	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_006251	PRKAA1	protein kinase, AMP-activated, alpha 1 catalytic subunit	-0.657696	Inlier
siRNA Disorazole DMSO Run3	NM_006251	PRKAA1	protein kinase, AMP-activated, alpha 1 catalytic subunit	-0.545964	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006251	PRKAA1	protein kinase, AMP-activated, alpha 1 catalytic subunit	-0.177294	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006251	PRKAA1	protein kinase, AMP-activated, alpha 1 catalytic subunit	0.177294	Inlier
siRNA Disorazole DMSO Run1	NM_006251	PRKAA1	protein kinase, AMP-activated, alpha 1 catalytic subunit	0.691304	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006251	PRKAA1	protein kinase, AMP-activated, alpha 1 catalytic subunit	1.17314	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006251	PRKAA1	protein kinase, AMP-activated, alpha 1 catalytic subunit	1.255048	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0062 52	PRKAA2	protein kinase, AMP- activated, alpha 2 catalytic subunit	-0.877679	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0062 52	PRKAA2	protein kinase, AMP- activated, alpha 2 catalytic subunit	-0.471321	Inlier
siRNA Disorazole DMSO Run3	NM_0062 52	PRKAA2	protein kinase, AMP- activated, alpha 2 catalytic subunit	-0.305624	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0062 52	PRKAA2	protein kinase, AMP- activated, alpha 2 catalytic subunit	-0.014109	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0062 52	PRKAA2	protein kinase, AMP- activated, alpha 2 catalytic subunit	0.014109	Inlier
siRNA Disorazole DMSO Run1	NM_0062 52	PRKAA2	protein kinase, AMP- activated, alpha 2 catalytic subunit	1.316896	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0062 52	PRKAA2	protein kinase, AMP- activated, alpha 2 catalytic subunit	2.196514	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0062 52	PRKAA2	protein kinase, AMP-activated, alpha 2 catalytic subunit	2.457103 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0062 53	PRKAB1	protein kinase, AMP-activated, beta 1 non-catalytic subunit	-1.789216 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0062 53	PRKAB1	protein kinase, AMP-activated, beta 1 non-catalytic subunit	-0.83584 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0062 53	PRKAB1	protein kinase, AMP-activated, beta 1 non-catalytic subunit	-0.28224 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0062 53	PRKAB1	protein kinase, AMP-activated, beta 1 non-catalytic subunit	-0.281726 Inlier
siRNA Disorazole DMSO Run1	NM_0062 53	PRKAB1	protein kinase, AMP-activated, beta 1 non-catalytic subunit	0.281728 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0062 53	PRKAB1	protein kinase, AMP-activated, beta 1 non-catalytic subunit	0.51316 Inlier
siRNA Disorazole DMSO Run2	NM_0062 53	PRKAB1	protein kinase, AMP-activated, beta 1 non-catalytic subunit	1.645153 Inlier
siRNA Disorazole DMSO Run3	NM_0062 53	PRKAB1	protein kinase, AMP-activated, beta 1 non-catalytic subunit	4.476523 Outlier
siRNA-Temozolomide Run3-DMSO	NM_0053 99	PRKAB2	protein kinase, AMP-activated, beta 2 non-catalytic subunit	-1.297325 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0053 99	PRKAB2	protein kinase, AMP-activated, beta 2 non-catalytic subunit	-0.687637 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0053 99	PRKAB2	protein kinase, AMP-activated, beta 2 non-catalytic subunit	-0.52482 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0053 99	PRKAB2	protein kinase, AMP-activated, beta 2 non-catalytic subunit	-0.320508	Inlier
siRNA Disorazole DMSO Run3	NM_0053 99	PRKAB2	protein kinase, AMP-activated, beta 2 non-catalytic subunit	0.320508	Inlier
siRNA Disorazole DMSO Run1	NM_0053 99	PRKAB2	protein kinase, AMP-activated, beta 2 non-catalytic subunit	0.661363	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0053 99	PRKAB2	protein kinase, AMP-activated, beta 2 non-catalytic subunit	0.904703	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0053 99	PRKAB2	protein kinase, AMP-activated, beta 2 non-catalytic subunit	0.918979	Inlier
siRNA Disorazole DMSO Run2	NM_0027 30	PRKACA	protein kinase, cAMP-dependent, catalytic, alpha	-0.954541	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0027 30	PRKACA	protein kinase, cAMP-dependent, catalytic, alpha	-0.83403	Inlier
siRNA Disorazole DMSO Run3	NM_0027 30	PRKACA	protein kinase, cAMP-dependent, catalytic, alpha	-0.65014	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0027 30	PRKACA	protein kinase, cAMP-dependent, catalytic, alpha	-0.038322	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0027 30	PRKACA	protein kinase, cAMP-dependent, catalytic, alpha	0.038322	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0027 30	PRKACA	protein kinase, cAMP-dependent, catalytic, alpha	0.386211	Inlier
siRNA Disorazole DMSO Run1	NM_0027 30	PRKACA	protein kinase, cAMP-dependent, catalytic, alpha	0.69886	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0027 30	PRKACA	protein kinase, cAMP-dependent, catalytic, alpha	0.769006	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_2075 78	PRKACB	protein kinase, cAMP-dependent, catalytic, beta	-0.815892	Inlier
siRNA Disorazole DMSO Run3	NM_2075 78	PRKACB	protein kinase, cAMP-dependent, catalytic, beta	-0.646214	Inlier
siRNA Disorazole DMSO Run2	NM_2075 78	PRKACB	protein kinase, cAMP-dependent, catalytic, beta	-0.195679	Inlier
siRNA-Temozolomide Run1-DMSO	NM_2075 78	PRKACB	protein kinase, cAMP-dependent, catalytic, beta	-0.113448	Inlier
siRNA-Temozolomide Run2-DMSO	NM_2075 78	PRKACB	protein kinase, cAMP-dependent, catalytic, beta	0.113448	Inlier
siRNA Disorazole DMSO Run1	NM_2075 78	PRKACB	protein kinase, cAMP-dependent, catalytic, beta	0.702786	Inlier
siRNA-Vinblastine Run1-DMSO	NM_2075 78	PRKACB	protein kinase, cAMP-dependent, catalytic, beta	2.07751	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_207578	PRKACB	protein kinase, cAMP-dependent, catalytic, beta	2.397375	Inlier
siRNA Disorazole DMSO Run2	NM_002732	PRKACG	protein kinase, cAMP-dependent, catalytic, gamma	-1.936875	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002732	PRKACG	protein kinase, cAMP-dependent, catalytic, gamma	-1.208734	Inlier
siRNA Disorazole DMSO Run3	NM_002732	PRKACG	protein kinase, cAMP-dependent, catalytic, gamma	-1.105415	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002732	PRKACG	protein kinase, cAMP-dependent, catalytic, gamma	-0.085177	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002732	PRKACG	protein kinase, cAMP-dependent, catalytic, gamma	0.085176	Inlier
siRNA Disorazole DMSO Run1	NM_002732	PRKACG	protein kinase, cAMP-dependent, catalytic, gamma	0.506565	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_002732	PRKACG	protein kinase, cAMP-dependent, catalytic, gamma	0.613636	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002732	PRKACG	protein kinase, cAMP-dependent, catalytic, gamma	0.735364	Inlier
siRNA-Temozolomide Run1-DMSO	NM_212461	PRKAG1	protein kinase, AMP-activated, gamma 1 non-catalytic subunit	-0.843644	Inlier
siRNA-Temozolomide Run3-DMSO	NM_212461	PRKAG1	protein kinase, AMP-activated, gamma 1 non-catalytic subunit	-0.814345	Inlier
siRNA Disorazole DMSO Run2	NM_212461	PRKAG1	protein kinase, AMP-activated, gamma 1 non-catalytic subunit	-0.672644	Inlier
siRNA-Temozolomide Run2-DMSO	NM_212461	PRKAG1	protein kinase, AMP-activated, gamma 1 non-catalytic subunit	-0.105533	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_2124 61	PRKAG1	protein kinase, AMP-activated, gamma 1 non-catalytic subunit	0.105533	Inlier
siRNA Disorazole DMSO Run3	NM_2124 61	PRKAG1	protein kinase, AMP-activated, gamma 1 non-catalytic subunit	0.377042	Inlier
siRNA-Vinblastine Run1-DMSO	NM_2124 61	PRKAG1	protein kinase, AMP-activated, gamma 1 non-catalytic subunit	0.676356	Inlier
siRNA-Vinblastine Run2-DMSO	NM_2124 61	PRKAG1	protein kinase, AMP-activated, gamma 2 non-catalytic subunit	0.901316	Inlier
siRNA Disorazole DMSO Run2	NM_0162 03	PRKAG2	protein kinase, AMP-activated, gamma 2 non-catalytic subunit	-0.926105	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0162 03	PRKAG2	protein kinase, AMP-activated, gamma 2 non-catalytic subunit	-0.422895	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Description	Value	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_016203	PRKAG2	protein kinase, AMP-activated, gamma 2 non-catalytic subunit	-0.223472	Inlier
siRNA Disorazole DMSO Run3	NM_016203	PRKAG2	protein kinase, AMP-activated, gamma 2 non-catalytic subunit	-0.086737	Inlier
siRNA-Temozolomide Run1-DMSO	NM_016203	PRKAG2	protein kinase, AMP-activated, gamma 2 non-catalytic subunit	0.086737	Inlier
siRNA Disorazole DMSO Run1	NM_016203	PRKAG2	protein kinase, AMP-activated, gamma 2 non-catalytic subunit	1.982704	Inlier
siRNA-Vinblastine Run1-DMSO	NM_016203	PRKAG2	protein kinase, AMP-activated, gamma 2 non-catalytic subunit	2.138184	Inlier
siRNA-Vinblastine Run2-DMSO	NM_016203	PRKAG2	protein kinase, AMP-activated, gamma 2 non-catalytic subunit	2.57124	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Description	Log Fold Change	Outlier Status
siRNA Disorazole DMSO Run2	NM_0174 31	PRKAG3	protein kinase, AMP-activated, gamma 3 non-catalytic subunit	-0.824025	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0174 31	PRKAG3	protein kinase, AMP-activated, gamma 3 non-catalytic subunit	-0.795814	Inlier
siRNA Disorazole DMSO Run3	NM_0174 31	PRKAG3	protein kinase, AMP-activated, gamma 3 non-catalytic subunit	-0.431996	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0174 31	PRKAG3	protein kinase, AMP-activated, gamma 3 non-catalytic subunit	-0.109844	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0174 31	PRKAG3	protein kinase, AMP-activated, gamma 3 non-catalytic subunit	0.109844	Inlier
siRNA Disorazole DMSO Run1	NM_0174 31	PRKAG3	protein kinase, AMP-activated, gamma 3 non-catalytic subunit	0.594083	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_017431	PRKAG3	protein kinase, AMP-activated, gamma 3 non-catalytic subunit	0.754917	Inlier
siRNA-Vinblastine Run2-DMSO	NM_017431	PRKAG3	protein kinase, AMP-activated, gamma 3 non-catalytic subunit	0.869548	Inlier
siRNA Disorazole DMSO Run2	NM_212472	PRKAR1A	protein kinase, cAMP-dependent, regulatory, type I, alpha (tissue specific extinguisher 1)	-3.669053	Outlier
siRNA Disorazole DMSO Run3	NM_212472	PRKAR1A	protein kinase, cAMP-dependent, regulatory, type I, alpha (tissue specific extinguisher 1)	-0.375625	Inlier
siRNA-Temozolomide Run3-DMSO	NM_212472	PRKAR1A	protein kinase, cAMP-dependent, regulatory, type I, alpha (tissue specific extinguisher 1)	-0.162044	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_212472	PRKAR1A	protein kinase, cAMP-dependent, regulatory, type I, alpha (tissue specific extinguisher 1)	-0.109731	Inlier
siRNA-Temozolomide Run1-DMSO	NM_212472	PRKAR1A	protein kinase, cAMP-dependent, regulatory, type I, alpha (tissue specific extinguisher 1)	0.109731	Inlier
siRNA Disorazole DMSO Run1	NM_212472	PRKAR1A	protein kinase, cAMP-dependent, regulatory, type I, alpha (tissue specific extinguisher 1)	0.973375	Inlier
siRNA-Vinblastine Run2-DMSO	NM_212472	PRKAR1A	protein kinase, cAMP-dependent, regulatory, type I, alpha (tissue specific extinguisher 1)	2.663969	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_212472	PRKAR1A	protein kinase, cAMP-dependent , regulatory, type I, alpha (tissue specific extinguisher 1)	2.883117	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002735	PRKAR1B	protein kinase, cAMP-dependent , regulatory, type I, beta	-1.434703	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002735	PRKAR1B	protein kinase, cAMP-dependent , regulatory, type I, beta	-0.942138	Inlier
siRNA Disorazole DMSO Run2	NM_002735	PRKAR1B	protein kinase, cAMP-dependent , regulatory, type I, beta	-0.396072	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002735	PRKAR1B	protein kinase, cAMP-dependent , regulatory, type I, beta	-0.058123	Inlier
siRNA Disorazole DMSO Run3	NM_002735	PRKAR1B	protein kinase, cAMP-dependent , regulatory, type I, beta	0.058123	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0027 35	PRKAR1B	protein kinase, cAMP-dependent, regulatory, type I, beta	0.406862	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0027 35	PRKAR1B	protein kinase, cAMP-dependent, regulatory, type I, beta	0.993343	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0027 35	PRKAR1B	protein kinase, cAMP-dependent, regulatory, type I, beta	1.006152	Inlier
siRNA Disorazole DMSO Run3	NM_0041 57	PRKAR2A	protein kinase, cAMP-dependent, regulatory, type II, alpha	-0.699121	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0041 57	PRKAR2A	protein kinase, cAMP-dependent, regulatory, type II, alpha	-0.684884	Inlier
siRNA Disorazole DMSO Run2	NM_0041 57	PRKAR2A	regulatory, type II, alpha	-0.664116	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			protein kinase, cAMP-dependent		
siRNA-Temozolomide Run1-DMSO	NM_004157	PRKAR2A	, regulatory, type II, alpha protein kinase, cAMP-dependent	-0.136238	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004157	PRKAR2A	, regulatory, type II, alpha protein kinase, cAMP-dependent	0.136238	Inlier
siRNA Disorazole DMSO Run1	NM_004157	PRKAR2A	, regulatory, type II, alpha protein kinase, cAMP-dependent	0.481384	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004157	PRKAR2A	, regulatory, type II, alpha protein kinase, cAMP-dependent	0.745641	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004157	PRKAR2A	, regulatory, type II, alpha protein kinase, cAMP-dependent	0.832049	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002736	PRKAR2B	, regulatory, type II, beta	-0.753951	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

				protein kinase, cAMP-dependent	
siRNA Disorazole DMSO Run2	NM_0027 36	PRKAR2B	beta	regulatory, type II, beta	-0.595049 Inlier
				protein kinase, cAMP-dependent	
siRNA-Temozolomide Run2-DMSO	NM_0027 36	PRKAR2B	beta	regulatory, type II, beta	-0.332812 Inlier
				protein kinase, cAMP-dependent	
siRNA-Temozolomide Run1-DMSO	NM_0027 36	PRKAR2B	beta	regulatory, type II, beta	-0.221426 Inlier
				protein kinase, cAMP-dependent	
siRNA Disorazole DMSO Run3	NM_0027 36	PRKAR2B	beta	regulatory, type II, beta	0.221426 Inlier
				protein kinase, cAMP-dependent	
siRNA Disorazole DMSO Run1	NM_0027 36	PRKAR2B	beta	regulatory, type II, beta	1.083392 Inlier
				protein kinase, cAMP-dependent	
siRNA-Vinblastine Run2-DMSO	NM_0027 36	PRKAR2B	beta	regulatory, type II, beta	1.344851 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Symbol	Gene Description	Log2 Fold Change	Outlier Status
siRNA-Vinblastine Run1-DMSO	NM_002736	PRKAR2B	protein kinase, cAMP-dependent, regulatory, type II, beta	1.775337	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002737	PRKCA	protein kinase C, alpha	-1.653933	Inlier
siRNA Disorazole DMSO Run1	NM_002737	PRKCA	protein kinase C, alpha	-0.855481	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002737	PRKCA	protein kinase C, alpha	-0.61205	Inlier
siRNA Disorazole DMSO Run3	NM_002737	PRKCA	protein kinase C, alpha	-0.418073	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002737	PRKCA	protein kinase C, alpha	0.418071	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002737	PRKCA	protein kinase C, alpha	0.630095	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002737	PRKCA	protein kinase C, alpha	0.718905	Inlier
siRNA Disorazole DMSO Run2	NM_002737	PRKCA	protein kinase C, alpha	0.755844	Inlier
siRNA Disorazole DMSO Run1	NM_012407	PRKCABP	protein binding protein kinase C, alpha	-1.731424	Inlier
siRNA-Temozolomide Run2-DMSO	NM_012407	PRKCABP	protein binding protein kinase C, alpha	-1.10466	Inlier
siRNA-Temozolomide Run1-DMSO	NM_012407	PRKCABP	protein binding protein kinase C, alpha	-0.951216	Inlier
siRNA-Temozolomide Run3-DMSO	NM_012407	PRKCABP	protein binding protein kinase C, alpha	-0.001256	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0124 07	PRKCABP	protein kinase C, alpha binding protein	0.001256	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0124 07	PRKCABP	protein kinase C, alpha binding protein	0.531234	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0124 07	PRKCABP	protein kinase C, alpha binding protein	0.601528	Inlier
siRNA Disorazole DMSO Run3	NM_0124 07	PRKCABP	protein kinase C, alpha binding protein	0.747472	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0027 38	PRKCB1	protein kinase C, beta 1	-1.87028	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0027 38	PRKCB1	protein kinase C, beta 1	-0.839174	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0027 38	PRKCB1	protein kinase C, beta 1	-0.611338	Inlier
siRNA Disorazole DMSO Run2	NM_0027 38	PRKCB1	protein kinase C, beta 1	-0.094483	Inlier
siRNA Disorazole DMSO Run3	NM_0027 38	PRKCB1	protein kinase C, beta 1	0.094484	Inlier
siRNA Disorazole DMSO Run1	NM_0027 38	PRKCB1	protein kinase C, beta 1	0.314531	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0027 38	PRKCB1	protein kinase C, beta 1	0.737662	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0027 38	PRKCB1	protein kinase C, beta 1	1.462584	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1830 48	PRKCBP1	protein kinase C binding protein 1	-0.869132	Inlier
siRNA Disorazole DMSO Run2	NM_1830 48	PRKCBP1	protein kinase C binding protein 1	-0.479868	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Value	Category
siRNA-Temozolomide Run2-DMSO	NM_1830 48	PRKCBP1	protein kinase C binding protein 1	-0.414273	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1830 48	PRKCBP1	protein kinase C binding protein 1	-0.049505	Inlier
siRNA Disorazole DMSO Run3	NM_1830 48	PRKCBP1	protein kinase C binding protein 1	0.049505	Inlier
siRNA Disorazole DMSO Run1	NM_1830 48	PRKCBP1	protein kinase C binding protein 1	1.742344	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1830 48	PRKCBP1	protein kinase C binding protein 1	2.430257	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1830 48	PRKCBP1	protein kinase C binding protein 1	2.89941	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0062 54	PRKCD	protein kinase C, delta	-0.687982	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0062 54	PRKCD	protein kinase C, delta	-0.661018	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0062 54	PRKCD	protein kinase C, delta	-0.454565	Inlier
siRNA Disorazole DMSO Run1	NM_0062 54	PRKCD	protein kinase C, delta	-0.143359	Inlier
siRNA Disorazole DMSO Run3	NM_0062 54	PRKCD	protein kinase C, delta	0.143359	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0062 54	PRKCD	protein kinase C, delta	3.502737	Outlier
siRNA Disorazole DMSO Run2	NM_0062 54	PRKCD	protein kinase C, delta	3.818912	Outlier
siRNA-Vinblastine Run1-DMSO	NM_0062 54	PRKCD	protein kinase C, delta	4.571127	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_1450 40	PRKCDBP	protein kinase C, delta binding protein	-0.915226	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1450 40	PRKCDBP	protein kinase C, delta binding protein	-0.721192	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1450 40	PRKCDBP	protein kinase C, delta binding protein	-0.627808	Inlier
siRNA Disorazole DMSO Run2	NM_1450 40	PRKCDBP	protein kinase C, delta binding protein	-0.06468	Inlier
siRNA Disorazole DMSO Run3	NM_1450 40	PRKCDBP	protein kinase C, delta binding protein	0.06468	Inlier
siRNA Disorazole DMSO Run1	NM_1450 40	PRKCDBP	protein kinase C, delta binding protein	0.256559	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1450 40	PRKCDBP	protein kinase C, delta binding protein	1.556692	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1450 40	PRKCDBP	protein kinase C, delta binding protein	2.039982	Inlier
siRNA Disorazole DMSO Run3	NM_0054 00	PRKCE	protein kinase C, epsilon	-1.009635	Inlier
siRNA Disorazole DMSO Run2	NM_0054 00	PRKCE	protein kinase C, epsilon	-0.85927	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0054 00	PRKCE	protein kinase C, epsilon	-0.712718	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0054 00	PRKCE	protein kinase C, epsilon	-0.140944	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0054 00	PRKCE	protein kinase C, epsilon	0.140944	Inlier
siRNA Disorazole DMSO Run1	NM_0054 00	PRKCE	protein kinase C, epsilon	0.327408	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0054 00	PRKCE	protein kinase C, epsilon	0.636282	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0054 00	PRKCE	protein kinase C, epsilon	1.006357	Inlier
siRNA Disorazole DMSO Run1	NM_0027 39	PRKCG	protein kinase C, gamma	-1.191052	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0027 39	PRKCG	protein kinase C, gamma	-1.110961	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0027 39	PRKCG	protein kinase C, gamma	-0.548696	Inlier
siRNA Disorazole DMSO Run2	NM_0027 39	PRKCG	protein kinase C, gamma	-0.096092	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0027 39	PRKCG	protein kinase C, gamma	0.096091	Inlier
siRNA Disorazole DMSO Run3	NM_0027 39	PRKCG	protein kinase C, gamma	0.203358	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0027 39	PRKCG	protein kinase C, gamma	0.800304	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0027 39	PRKCG	protein kinase C, gamma	1.194933	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0062 55	PRKCH	protein kinase C, eta	-1.082923	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0062 55	PRKCH	protein kinase C, eta	-0.809966	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0062 55	PRKCH	protein kinase C, eta	-0.412567	Inlier
siRNA Disorazole DMSO Run1	NM_0062 55	PRKCH	protein kinase C, eta	-0.309134	Inlier
siRNA Disorazole DMSO Run3	NM_0062 55	PRKCH	protein kinase C, eta	0.309134	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0062 55	PRKCH	protein kinase C, eta	0.539034	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0062 55	PRKCH	protein kinase C, eta	0.917465	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0062 55	PRKCH	protein kinase C, eta	1.038746	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0027 40	PRKCI	protein kinase C, iota	-1.057369	Inlier
siRNA Disorazole DMSO Run2	NM_0027 40	PRKCI	protein kinase C, iota	-0.6128	Inlier
siRNA Disorazole DMSO Run1	NM_0027 40	PRKCI	protein kinase C, iota	-0.403302	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0027 40	PRKCI	protein kinase C, iota	-0.191926	Inlier
siRNA Disorazole DMSO Run3	NM_0027 40	PRKCI	protein kinase C, iota	0.191926	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0027 40	PRKCI	protein kinase C, iota	0.7362	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0027 40	PRKCI	protein kinase C, iota	1.365612	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0027 40	PRKCI	protein kinase C, iota	1.708481	Inlier
siRNA Disorazole DMSO Run2	NM_0027 42	PRKCM	protein kinase D1	-5.999363	Outlier
siRNA-Temozolomide Run1- DMSO	NM_0027 42	PRKCM	protein kinase D1	-0.77349	Inlier
siRNA Disorazole DMSO Run3	NM_0027 42	PRKCM	protein kinase D1	-0.57551	Inlier
siRNA Disorazole DMSO Run1	NM_0027 42	PRKCM	protein kinase D1	-0.112522	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0027 42	PRKCM	protein kinase D1	0.112522	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0027 42	PRKCM	protein kinase D1	0.14897	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0027 42	PRKCM	protein kinase D1	1.451483	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0027 42	PRKCM	protein kinase D1	5.290834	Outlier
siRNA Disorazole DMSO Run2	NM_0058 13	PRKCN	protein kinase D3	-6.357272	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_0058		protein		
siRNA Disorazole DMSO Run3	13	PRKCN	kinase D3	-5.315773	Outlier
siRNA-Temozolomide Run1-DMSO	NM_0058 13	PRKCN	protein kinase D3	-0.360949	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0058 13	PRKCN	protein kinase D3	-0.064366	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0058 13	PRKCN	protein kinase D3	0.064367	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0058 13	PRKCN	protein kinase D3	0.145483	Inlier
siRNA Disorazole DMSO Run1	NM_0058 13	PRKCN	protein kinase D3	0.988051	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0058 13	PRKCN	protein kinase D3	1.723751	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0062 57	PRKCQ	protein kinase C, theta	-1.020832	Inlier
siRNA Disorazole DMSO Run3	NM_0062 57	PRKCQ	protein kinase C, theta	-0.814267	Inlier
siRNA Disorazole DMSO Run2	NM_0062 57	PRKCQ	protein kinase C, theta	-0.241553	Inlier
siRNA Disorazole DMSO Run1	NM_0062 57	PRKCQ	protein kinase C, theta	-0.14307	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0062 57	PRKCQ	protein kinase C, theta	0.143071	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0062 57	PRKCQ	protein kinase C, theta	0.534733	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0062 57	PRKCQ	protein kinase C, theta	1.155865	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0062 57	PRKCQ	protein kinase C, theta	1.244434	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 01329	PRKCSH	protein kinase C substrate 80K-H	-1.264471	Inlier
siRNA Disorazole DMSO Run1	NM_0010 01329	PRKCSH	protein kinase C substrate 80K-H	-0.889583	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 01329	PRKCSH	protein kinase C substrate 80K-H	-0.822642	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0010 01329	PRKCSH	protein kinase C substrate 80K-H	-0.012871	Inlier
siRNA Disorazole DMSO Run2	NM_0010 01329	PRKCSH	protein kinase C substrate 80K-H	0.012871	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 01329	PRKCSH	protein kinase C substrate 80K-H	0.073997	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 01329	PRKCSH	protein kinase C substrate 80K-H	0.526358	Inlier
siRNA Disorazole DMSO Run3	NM_0010 01329	PRKCSH	protein kinase C substrate 80K-H	1.476455	Inlier
siRNA Disorazole DMSO Run2	NM_0027 44	PRKCZ	protein kinase C, zeta	-0.698397	Inlier
siRNA Disorazole DMSO Run3	NM_0027 44	PRKCZ	protein kinase C, zeta	-0.650603	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0027 44	PRKCZ	protein kinase C, zeta	-0.612068	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0027 44	PRKCZ	protein kinase C, zeta	-0.361773	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0027 44	PRKCZ	protein kinase C, zeta	0.361773	Inlier
siRNA Disorazole DMSO Run1	NM_0027 44	PRKCZ	protein kinase C, zeta	1.703213	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0027 44	PRKCZ	protein kinase C, zeta	2.940625	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0027 44	PRKCZ	protein kinase C, zeta	3.607118	Outlier
siRNA Disorazole DMSO Run2	NM_0164 57	PRKD2	protein kinase D2	-0.9632	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0164 57	PRKD2	protein kinase D2	-0.745198	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0164 57	PRKD2	protein kinase D2	-0.297082	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0164 57	PRKD2	protein kinase D2	-0.037654	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_0164		protein		
siRNA Disorazole DMSO Run1	57	PRKD2	kinase D2	0.037654	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0164		protein		
	57	PRKD2	kinase D2	0.65567	Inlier
	NM_0164		protein		
siRNA Disorazole DMSO Run3	57	PRKD2	kinase D2	0.69333	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0164		protein		
	57	PRKD2	kinase D2	1.043393	Inlier
			protein		
			kinase,		
			DNA-		
			activated,		
			catalytic		
			polypeptid		
siRNA Disorazole DMSO Run2	NM_0069	PRKDC	e	-1.034214	Inlier
	04		protein		
			kinase,		
			DNA-		
			activated,		
			catalytic		
			polypeptid		
siRNA-Temozolomide Run3-DMSO	NM_0069	PRKDC	e	-0.773903	Inlier
	04		protein		
			kinase,		
			DNA-		
			activated,		
			catalytic		
			polypeptid		
siRNA Disorazole DMSO Run3	NM_0069	PRKDC	e	-0.575097	Inlier
	04		protein		
			kinase,		
			DNA-		
			activated,		
			catalytic		
			polypeptid		
siRNA-Temozolomide Run1-DMSO	NM_0069	PRKDC	e	-0.03317	Inlier
	04		protein		
			kinase,		
			DNA-		
			activated,		
			catalytic		
			polypeptid		
siRNA-Temozolomide Run2-DMSO	NM_0069	PRKDC	e	0.03317	Inlier
	04		protein		
			kinase,		
			DNA-		
			activated,		
			catalytic		
			polypeptid		
siRNA Disorazole DMSO Run1	NM_0069	PRKDC	e	0.354812	Inlier
	04				

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_006904	PRKDC	protein kinase, DNA-activated, catalytic polypeptide	0.88791	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006904	PRKDC	protein kinase, DNA-activated, catalytic polypeptide	0.914835	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006258	PRKG1	protein kinase, cGMP-dependent, type I	-1.14591	Inlier
siRNA Disorazole DMSO Run2	NM_006258	PRKG1	protein kinase, cGMP-dependent, type I	-0.743678	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006258	PRKG1	protein kinase, cGMP-dependent, type I	-0.605322	Inlier
siRNA Disorazole DMSO Run3	NM_006258	PRKG1	protein kinase, cGMP-dependent, type I	-0.207992	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006258	PRKG1	protein kinase, cGMP-dependent, type I	0.207992	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006258	PRKG1	protein kinase, cGMP-dependent, type I	0.495291	Inlier
siRNA Disorazole DMSO Run1	NM_006258	PRKG1	protein kinase, cGMP-dependent, type I	0.781653	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0062 58	PRKG1	protein kinase, cGMP-dependent, type I	1.030786 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0062 59	PRKG2	protein kinase, cGMP-dependent, type II	-4.82595 Outlier
siRNA-Temozolomide Run2-DMSO	NM_0062 59	PRKG2	protein kinase, cGMP-dependent, type II	-4.441073 Outlier
siRNA-Temozolomide Run1-DMSO	NM_0062 59	PRKG2	protein kinase, cGMP-dependent, type II	-0.215578 Inlier
siRNA Disorazole DMSO Run2	NM_0062 59	PRKG2	protein kinase, cGMP-dependent, type II	-0.210249 Inlier
siRNA Disorazole DMSO Run1	NM_0062 59	PRKG2	protein kinase, cGMP-dependent, type II	0.210249 Inlier
siRNA Disorazole DMSO Run3	NM_0062 59	PRKG2	protein kinase, cGMP-dependent, type II	0.340796 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0062 59	PRKG2	protein kinase, cGMP-dependent, type II	1.008204 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0062 59	PRKG2	protein kinase, cGMP-dependent, type II	1.778159 Inlier
siRNA Disorazole DMSO Run2	NM_0027 59	PRKR	eukaryotic translation initiation factor 2-alpha kinase 2	-1.273884 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0027 59	PRKR	eukaryotic translation initiation factor 2-alpha kinase 2	-1.16973	Inlier
siRNA Disorazole DMSO Run3	NM_0027 59	PRKR	eukaryotic translation initiation factor 2-alpha kinase 2	-0.862475	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0027 59	PRKR	eukaryotic translation initiation factor 2-alpha kinase 2	-0.175891	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0027 59	PRKR	eukaryotic translation initiation factor 2-alpha kinase 2	0.175891	Inlier
siRNA Disorazole DMSO Run1	NM_0027 59	PRKR	eukaryotic translation initiation factor 2-alpha kinase 2	0.462125	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0027 59	PRKR	eukaryotic translation initiation factor 2-alpha kinase 2	0.62384	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0027 59	PRKR	eukaryotic translation initiation factor 2-alpha kinase 2	0.72516	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0036 90	PRKRA	protein kinase, interferon- inducible double stranded RNA dependent activator	-1.655817	Inlier
siRNA Disorazole DMSO Run1	NM_0036 90	PRKRA	protein kinase, interferon- inducible double stranded RNA dependent activator	-0.796599	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0036 90	PRKRA	protein kinase, interferon- inducible double stranded RNA dependent activator	-0.27889	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0036 90	PRKRA	protein kinase, interferon- inducible double stranded RNA dependent activator	-0.070395	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0036 90	PRKRA	protein kinase, interferon- inducible double stranded RNA dependent activator	0.070396	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_003690	PRKRA	protein kinase, interferon-inducible double stranded RNA dependent activator	0.552401	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003690	PRKRA	protein kinase, interferon-inducible double stranded RNA dependent activator	1.398941	Inlier
siRNA Disorazole DMSO Run3	NM_003690	PRKRA	protein-kinase, interferon-inducible double stranded RNA dependent inhibitor, repressor of (P58 repressor)	1.407469	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004705	PRKRIR	protein-kinase, interferon-inducible double stranded RNA dependent inhibitor, repressor of (P58 repressor)	-0.771898	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004705	PRKRIR	protein-kinase, interferon-inducible double stranded RNA dependent inhibitor, repressor of (P58 repressor)	-0.767228	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_004705	PRKRIR	protein-kinase, interferon-inducible double stranded RNA dependent inhibitor, repressor of (P58 repressor)	-0.581772	Inlier
siRNA Disorazole DMSO Run2	NM_004705	PRKRIR	protein-kinase, interferon-inducible double stranded RNA dependent inhibitor, repressor of (P58 repressor)	-0.362265	Inlier
siRNA Disorazole DMSO Run3	NM_004705	PRKRIR	protein-kinase, interferon-inducible double stranded RNA dependent inhibitor, repressor of (P58 repressor)	0.362265	Inlier
siRNA Disorazole DMSO Run1	NM_004705	PRKRIR	protein-kinase, interferon-inducible double stranded RNA dependent inhibitor, repressor of (P58 repressor)	0.373625	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Accession	Protein Name	Score	Outlier Status
siRNA-Vinblastine Run2-DMSO	NM_004705	PRKRIR	protein-kinase, interferon-inducible double stranded RNA dependent inhibitor, repressor of (P58 repressor)	1.713674	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004705	PRKRIR	protein-kinase, interferon-inducible double stranded RNA dependent inhibitor, repressor of (P58 repressor)	2.095751	Inlier
siRNA-Temozolomide Run3-DMSO	NM_018979	PRKWNK1	WNK lysine deficient protein kinase 1	-1.451678	Inlier
siRNA Disorazole DMSO Run2	NM_018979	PRKWNK1	WNK lysine deficient protein kinase 1	-0.935843	Inlier
siRNA Disorazole DMSO Run3	NM_018979	PRKWNK1	WNK lysine deficient protein kinase 1	-0.753414	Inlier
siRNA-Temozolomide Run1-DMSO	NM_018979	PRKWNK1	WNK lysine deficient protein kinase 1	-0.215224	Inlier
siRNA Disorazole DMSO Run1	NM_018979	PRKWNK1	WNK lysine deficient protein kinase 1	0.215224	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Accession	Gene Name	Value	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_018979	1	WNK lysine deficient protein kinase 1	0.304652	Inlier
siRNA-Vinblastine Run1-DMSO	NM_018979	1	WNK lysine deficient protein kinase 1	0.595586	Inlier
siRNA-Vinblastine Run2-DMSO	NM_018979	1	WNK lysine deficient protein kinase 1	0.983005	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006648	2	WNK lysine deficient protein kinase 2	-0.70789	Inlier
siRNA Disorazole DMSO Run2	NM_006648	2	WNK lysine deficient protein kinase 2	-0.64111	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006648	2	WNK lysine deficient protein kinase 2	-0.551332	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006648	2	WNK lysine deficient protein kinase 2	-0.387612	Inlier
siRNA Disorazole DMSO Run3	NM_006648	2	WNK lysine deficient protein kinase 2	0.387612	Inlier
siRNA Disorazole DMSO Run1	NM_006648	2	WNK lysine deficient protein kinase 2	0.82711	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006648	2	WNK lysine deficient protein kinase 2	2.194257	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_006648	PRKWNK2	WNLysine deficient protein kinase 2	2.88849	Inlier
siRNA Disorazole DMSO Run2	NM_020922	PRKWNK3	WNLysine deficient protein kinase 3	-3.077145	Inlier
siRNA Disorazole DMSO Run3	NM_020922	PRKWNK3	WNLysine deficient protein kinase 3	-2.14735	Inlier
siRNA-Temozolomide Run2-DMSO	NM_020922	PRKWNK3	WNLysine deficient protein kinase 3	-0.966992	Inlier
siRNA-Temozolomide Run3-DMSO	NM_020922	PRKWNK3	WNLysine deficient protein kinase 3	-0.232938	Inlier
siRNA-Temozolomide Run1-DMSO	NM_020922	PRKWNK3	WNLysine deficient protein kinase 3	0.232938	Inlier
siRNA-Vinblastine Run2-DMSO	NM_020922	PRKWNK3	WNLysine deficient protein kinase 3	0.301146	Inlier
siRNA-Vinblastine Run1-DMSO	NM_020922	PRKWNK3	WNLysine deficient protein kinase 3	0.382008	Inlier
siRNA Disorazole DMSO Run1	NM_020922	PRKWNK3	WNLysine deficient protein kinase 3	1.419187	Inlier
siRNA-Temozolomide Run3-DMSO	NM_032387	PRKWNK4	WNLysine deficient protein kinase 4	-0.756042	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Accession	Gene Name	Log Fold Change	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_032387	PRKWNK4	WNK lysine deficient protein kinase 4	-0.740597	Inlier
siRNA-Temozolomide Run1-DMSO	NM_032387	PRKWNK4	WNK lysine deficient protein kinase 4	-0.584724	Inlier
siRNA Disorazole DMSO Run2	NM_032387	PRKWNK4	WNK lysine deficient protein kinase 4	-0.030567	Inlier
siRNA Disorazole DMSO Run3	NM_032387	PRKWNK4	WNK lysine deficient protein kinase 4	0.030567	Inlier
siRNA Disorazole DMSO Run1	NM_032387	PRKWNK4	WNK lysine deficient protein kinase 4	0.608403	Inlier
siRNA-Vinblastine Run1-DMSO	NM_032387	PRKWNK4	WNK lysine deficient protein kinase 4	0.846431	Inlier
siRNA-Vinblastine Run2-DMSO	NM_032387	PRKWNK4	WNK lysine deficient protein kinase 4	0.847886	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005044	PRKX	protein kinase, X-linked	-1.493441	Inlier
siRNA Disorazole DMSO Run2	NM_005044	PRKX	protein kinase, X-linked	-1.387186	Inlier
siRNA Disorazole DMSO Run3	NM_005044	PRKX	protein kinase, X-linked	-0.49309	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005044	PRKX	protein kinase, X-linked	-0.274766	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005044	PRKX	protein kinase, X-linked	0.274766	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology				protein	
siRNA-Vinblastine Run1-DMSO	NM_0050 44	PRKX		kinase, X-linked	0.313188 Inlier
siRNA Disorazole DMSO Run1	NM_0050 44	PRKX		protein kinase, X-linked	0.85591 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0050 44	PRKX		protein kinase, X-linked	0.887218 Inlier
siRNA Disorazole DMSO Run2	NM_0027 60	PRKY		protein kinase, Y-linked	-1.220362 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0027 60	PRKY		protein kinase, Y-linked	-1.188138 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0027 60	PRKY		protein kinase, Y-linked	-0.341842 Inlier
siRNA Disorazole DMSO Run1	NM_0027 60	PRKY		protein kinase, Y-linked	-0.300786 Inlier
siRNA Disorazole DMSO Run3	NM_0027 60	PRKY		protein kinase, Y-linked	0.300786 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0027 60	PRKY		protein kinase, Y-linked	0.494336 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0027 60	PRKY		protein kinase, Y-linked	0.854664 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0027 60	PRKY		protein kinase, Y-linked	1.290634 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0009 49	PRLR		prolactin receptor	-1.323501 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0009 49	PRLR		prolactin receptor	-0.737448 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0009 49	PRLR		prolactin receptor	-0.515843 Inlier
siRNA Disorazole DMSO Run1	NM_0009 49	PRLR		prolactin receptor	-0.061829 Inlier
siRNA Disorazole DMSO Run3	NM_0009 49	PRLR		prolactin receptor	0.061829 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0009 49	PRLR		prolactin receptor	0.64958 Inlier
siRNA Disorazole DMSO Run2	NM_0009 49	PRLR		prolactin receptor	0.69942 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0009 49	PRLR		prolactin receptor	1.067044 Inlier
siRNA Disorazole DMSO Run1	NM_0190 23	PRMT7	PRMT7		-2.580068 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Temozolomide Run1-DMSO	NM_0190 23	PRMT7	PRMT7	-1.008555	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0190 23	PRMT7	PRMT7	-0.616715	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0190 23	PRMT7	PRMT7	-0.399242	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0190 23	PRMT7	PRMT7	0.399242	Inlier
siRNA Disorazole DMSO Run3	NM_0190 23	PRMT7	PRMT7	0.559931	Inlier
siRNA Disorazole DMSO Run2	NM_0190 23	PRMT7	PRMT7	0.732285	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0190 23	PRMT7	PRMT7	1.18286	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0003 12	PROC	protein C (inactivator of coagulation factors Va and VIIIa)	-1.971525	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0003 12	PROC	protein C (inactivator of coagulation factors Va and VIIIa)	-1.197523	Inlier
siRNA Disorazole DMSO Run1	NM_0003 12	PROC	protein C (inactivator of coagulation factors Va and VIIIa)	-0.487217	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0003 12	PROC	protein C (inactivator of coagulation factors Va and VIIIa)	-0.207107	Inlier
siRNA Disorazole DMSO Run2	NM_0003 12	PROC	protein C (inactivator of coagulation factors Va and VIIIa)	0.207107	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_000312	PROC	protein C (inactivator of coagulation factors Va and VIIIa)	0.27882	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000312	PROC	protein C (inactivator of coagulation factors Va and VIIIa)	0.861783	Inlier
siRNA Disorazole DMSO Run3	NM_000312	PROC	protein C (inactivator of coagulation factors Va and VIIIa)	1.078139	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006404	PROCR	protein C receptor, endothelial (EPCR)	-2.900502	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006404	PROCR	protein C receptor, endothelial (EPCR)	-2.23859	Inlier
siRNA Disorazole DMSO Run3	NM_006404	PROCR	protein C receptor, endothelial (EPCR)	-0.680338	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006404	PROCR	protein C receptor, endothelial (EPCR)	-0.099056	Inlier
siRNA Disorazole DMSO Run1	NM_006404	PROCR	protein C receptor, endothelial (EPCR)	0.099055	Inlier
siRNA Disorazole DMSO Run2	NM_006404	PROCR	protein C receptor, endothelial (EPCR)	0.582155	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006404	PROCR	protein C receptor, endothelial (EPCR)	0.668662	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein	Value	Outlier Status
siRNA-Vinblastine Run1-DMSO	NM_006404	PROCR	protein C receptor, endothelial (EPCR)	1.313118	Inlier
siRNA-Temozolomide Run3-DMSO	NM_016335	PRODH	proline dehydrogenase (oxidase) 1	-1.757249	Inlier
siRNA-Temozolomide Run2-DMSO	NM_016335	PRODH	proline dehydrogenase (oxidase) 1	-1.450044	Inlier
siRNA Disorazole DMSO Run2	NM_016335	PRODH	proline dehydrogenase (oxidase) 1	-0.826132	Inlier
siRNA-Temozolomide Run1-DMSO	NM_016335	PRODH	proline dehydrogenase (oxidase) 1	-0.006192	Inlier
siRNA Disorazole DMSO Run1	NM_016335	PRODH	proline dehydrogenase (oxidase) 1	0.006191	Inlier
siRNA-Vinblastine Run1-DMSO	NM_016335	PRODH	proline dehydrogenase (oxidase) 1	0.264052	Inlier
siRNA Disorazole DMSO Run3	NM_016335	PRODH	proline dehydrogenase (oxidase) 1	0.522868	Inlier
siRNA-Vinblastine Run2-DMSO	NM_016335	PRODH	proline dehydrogenase (oxidase) 1	1.081634	Inlier
siRNA-Temozolomide Run1-DMSO	NM_021232	PRODH2	proline dehydrogenase (oxidase) 2	-1.859453	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Accession	Value	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_021232	PRODH2	proline dehydrogenase (oxidase) 2	-1.806878	Inlier
siRNA Disorazole DMSO Run1	NM_021232	PRODH2	proline dehydrogenase (oxidase) 2	-0.646327	Inlier
siRNA-Temozolomide Run2-DMSO	NM_021232	PRODH2	proline dehydrogenase (oxidase) 2	-0.310641	Inlier
siRNA Disorazole DMSO Run3	NM_021232	PRODH2	proline dehydrogenase (oxidase) 2	0.310641	Inlier
siRNA-Vinblastine Run1-DMSO	NM_021232	PRODH2	proline dehydrogenase (oxidase) 2	0.410626	Inlier
siRNA Disorazole DMSO Run2	NM_021232	PRODH2	proline dehydrogenase (oxidase) 2	0.702673	Inlier
siRNA-Vinblastine Run2-DMSO	NM_021232	PRODH2	proline dehydrogenase (oxidase) 2	1.11108	Inlier
siRNA-Temozolomide Run3-DMSO	NM_021935	PROK2	prokineticin 2	-1.024578	Inlier
siRNA Disorazole DMSO Run2	NM_021935	PROK2	prokineticin 2	-0.324422	Inlier
siRNA-Temozolomide Run2-DMSO	NM_021935	PROK2	prokineticin 2	-0.245096	Inlier
siRNA Disorazole DMSO Run3	NM_021935	PROK2	prokineticin 2	-0.054276	Inlier
siRNA-Temozolomide Run1-DMSO	NM_021935	PROK2	prokineticin 2	0.054276	Inlier
siRNA Disorazole DMSO Run1	NM_021935	PROK2	prokineticin 2	1.460995	Inlier
siRNA-Vinblastine Run2-DMSO	NM_021935	PROK2	prokineticin 2	2.132631	Inlier
siRNA-Vinblastine Run1-DMSO	NM_021935	PROK2	prokineticin 2	2.339017	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA-Temozolomide Run3- DMSO	NM_1447 07	PROM2	prominin 2	-1.285512	Inlier
siRNA Disorazole DMSO Run3	NM_1447 07	PROM2	prominin 2	-0.723267	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1447 07	PROM2	prominin 2	-0.320011	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1447 07	PROM2	prominin 2	-0.166089	Inlier
siRNA Disorazole DMSO Run2	NM_1447 07	PROM2	prominin 2	0.166089	Inlier
siRNA Disorazole DMSO Run1	NM_1447 07	PROM2	prominin 2	0.625733	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1447 07	PROM2	prominin 2	1.56593	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1447 07	PROM2	prominin 2	1.786234	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0003 13	PROS1	protein S (alpha)	-0.943461	Inlier
siRNA Disorazole DMSO Run1	NM_0003 13	PROS1	protein S (alpha)	-0.842641	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0003 13	PROS1	protein S (alpha)	-0.506359	Inlier
siRNA Disorazole DMSO Run3	NM_0003 13	PROS1	protein S (alpha)	-0.171456	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0003 13	PROS1	protein S (alpha)	0.171456	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0003 13	PROS1	protein S (alpha)	0.42774	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0003 13	PROS1	protein S (alpha)	1.176654	Inlier
siRNA Disorazole DMSO Run2	NM_0003 13	PROS1	protein S (alpha)	1.830172	Inlier
siRNA Disorazole DMSO Run1	NM_0071 98	PROSC	proline synthetase co- transcribe d homolog (bacterial)	-0.878811	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0071 98	PROSC	proline synthetase co- transcribe d homolog (bacterial)	-0.838781	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0071 98	PROSC	proline synthetase co- transcribe d homolog (bacterial)	-0.122688	Inlier
siRNA Disorazole DMSO Run3	NM_0071 98	PROSC	proline synthetase co- transcribe d homolog (bacterial)	-0.029217	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0071 98	PROSC	proline synthetase co- transcribe d homolog (bacterial)	0.029217	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0071 98	PROSC	proline synthetase co- transcribe d homolog (bacterial)	0.510219	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0071 98	PROSC	proline synthetase co- transcribe d homolog (bacterial)	1.313995	Inlier
siRNA Disorazole DMSO Run2	NM_0071 98	PROSC	proline synthetase co- transcribe d homolog (bacterial)	1.394238	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0038 91	PROZ	protein Z, vitamin K- dependent plasma glycoprotei n	-1.690433	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_003891	PROZ	protein Z, vitamin K-dependent plasma glycoprotein	-1.382093	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003891	PROZ	protein Z, vitamin K-dependent plasma glycoprotein	-0.428378	Inlier
siRNA Disorazole DMSO Run2	NM_003891	PROZ	protein Z, vitamin K-dependent plasma glycoprotein	-0.308555	Inlier
siRNA Disorazole DMSO Run1	NM_003891	PROZ	protein Z, vitamin K-dependent plasma glycoprotein	0.308555	Inlier
siRNA Disorazole DMSO Run3	NM_003891	PROZ	protein Z, vitamin K-dependent plasma glycoprotein	0.593576	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003891	PROZ	protein Z, vitamin K-dependent plasma glycoprotein	0.755424	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003891	PROZ	protein Z, vitamin K-dependent plasma glycoprotein	1.19795	Inlier
siRNA-Temozolomide Run3-DMSO	NM_176800	PRPF4B	PRP4 pre-mRNA processing factor 4 homolog B (yeast)	-1.628877	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_1768 00	PRPF4B	PRP4 pre-mRNA processing factor 4 homolog B (yeast)	-0.693217	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1768 00	PRPF4B	PRP4 pre-mRNA processing factor 4 homolog B (yeast)	-0.655783	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1768 00	PRPF4B	PRP4 pre-mRNA processing factor 4 homolog B (yeast)	-0.244164	Inlier
siRNA Disorazole DMSO Run3	NM_1768 00	PRPF4B	PRP4 pre-mRNA processing factor 4 homolog B (yeast)	0.244164	Inlier
siRNA Disorazole DMSO Run1	NM_1768 00	PRPF4B	PRP4 pre-mRNA processing factor 4 homolog B (yeast)	0.520388	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1768 00	PRPF4B	PRP4 pre-mRNA processing factor 4 homolog B (yeast)	0.798536	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1768 00	PRPF4B	PRP4 pre-mRNA processing factor 4 homolog B (yeast)	1.798828	Inlier
siRNA Disorazole DMSO Run2	NM_0027 64	PRPS1	1 phosphoribosyl pyrophosphate synthetase	-3.724833	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0027 64	PRPS1	phosphoribosyl pyrophosphate synthetase 1	-0.837965	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0027 64	PRPS1	phosphoribosyl pyrophosphate synthetase 1	-0.060601	Inlier
siRNA Disorazole DMSO Run1	NM_0027 64	PRPS1	phosphoribosyl pyrophosphate synthetase 1	-0.000315	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0027 64	PRPS1	phosphoribosyl pyrophosphate synthetase 1	0.000316	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0027 64	PRPS1	phosphoribosyl pyrophosphate synthetase 1	0.511035	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0027 64	PRPS1	phosphoribosyl pyrophosphate synthetase 1	0.849567	Inlier
siRNA Disorazole DMSO Run3	NM_0027 64	PRPS1	phosphoribosyl pyrophosphate synthetase 1	2.817815	Inlier
siRNA Disorazole DMSO Run1	NM_1758 86	PRPS1L1	phosphoribosyl pyrophosphate synthetase 1-like 1	-1.157682	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log Fold Change	Outlier Status
siRNA-Temozolomide Run1-DMSO	NM_175886	PRPS1L1	phosphoribosyl pyrophosphate synthetase 1-like 1	-0.491442	Inlier
siRNA Disorazole DMSO Run3	NM_175886	PRPS1L1	phosphoribosyl pyrophosphate synthetase 1-like 1	-0.486909	Inlier
siRNA-Temozolomide Run2-DMSO	NM_175886	PRPS1L1	phosphoribosyl pyrophosphate synthetase 1-like 1	-0.24017	Inlier
siRNA-Vinblastine Run2-DMSO	NM_175886	PRPS1L1	phosphoribosyl pyrophosphate synthetase 1-like 1	0.24017	Inlier
siRNA-Temozolomide Run3-DMSO	NM_175886	PRPS1L1	phosphoribosyl pyrophosphate synthetase 1-like 1	0.857558	Inlier
siRNA Disorazole DMSO Run2	NM_175886	PRPS1L1	phosphoribosyl pyrophosphate synthetase 1-like 1	1.150845	Inlier
siRNA-Vinblastine Run1-DMSO	NM_175886	PRPS1L1	phosphoribosyl pyrophosphate synthetase 1-like 1	2.03863	Inlier
siRNA Disorazole DMSO Run2	NM_002765	PRPS2	phosphoribosyl pyrophosphate synthetase 2	-1.340156	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0027 65	PRPS2	phosphoribosyl pyrophosphate synthetase 2	-0.842223	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0027 65	PRPS2	phosphoribosyl pyrophosphate synthetase 2	-0.506777	Inlier
siRNA Disorazole DMSO Run3	NM_0027 65	PRPS2	phosphoribosyl pyrophosphate synthetase 2	-0.312904	Inlier
siRNA Disorazole DMSO Run1	NM_0027 65	PRPS2	phosphoribosyl pyrophosphate synthetase 2	0.312904	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0027 65	PRPS2	phosphoribosyl pyrophosphate synthetase 2	0.327847	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0027 65	PRPS2	phosphoribosyl pyrophosphate synthetase 2	0.924535	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0027 65	PRPS2	phosphoribosyl pyrophosphate synthetase 2	1.104197	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0027 66	PRPSAP1	phosphoribosyl pyrophosphate synthetase-associated protein 1	-2.337714	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0027 66	PRPSAP1	phosphoribosyl pyrophosphate synthetase-associated protein 1	-0.742718	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0027 66	PRPSAP1	phosphoribosyl pyrophosphate synthetase-associated protein 1	-0.606282	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0027 66	PRPSAP1	phosphoribosyl pyrophosphate synthetase-associated protein 1	-0.112534	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0027 66	PRPSAP1	phosphoribosyl pyrophosphate synthetase-associated protein 1	0.112534	Inlier
siRNA Disorazole DMSO Run3	NM_0027 66	PRPSAP1	phosphoribosyl pyrophosphate synthetase-associated protein 1	0.332628	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0027 66	PRPSAP1	phosphori bosyl pyrophosp hate synthetase- associated protein 1	3.776752	Outlier
siRNA-Vinblastine Run1- DMSO	NM_0027 66	PRPSAP1	phosphori bosyl pyrophosp hate synthetase- associated protein 1	4.898748	Outlier
siRNA Disorazole DMSO Run1	NM_0027 67	PRPSAP2	phosphori bosyl pyrophosp hate synthetase- associated protein 2	-1.323669	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0027 67	PRPSAP2	phosphori bosyl pyrophosp hate synthetase- associated protein 2	-0.664923	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0027 67	PRPSAP2	phosphori bosyl pyrophosp hate synthetase- associated protein 2	-0.526905	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_002767	PRPSAP2	phosphoribosyl pyrophosphate synthetase-associated protein 2	-0.246074	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002767	PRPSAP2	phosphoribosyl pyrophosphate synthetase-associated protein 2	0.246075	Inlier
siRNA Disorazole DMSO Run3	NM_002767	PRPSAP2	phosphoribosyl pyrophosphate synthetase-associated protein 2	0.684077	Inlier
siRNA Disorazole DMSO Run2	NM_002767	PRPSAP2	phosphoribosyl pyrophosphate synthetase-associated protein 2	0.854658	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002767	PRPSAP2	phosphoribosyl pyrophosphate synthetase-associated protein 2	1.570758	Inlier
siRNA Disorazole DMSO Run2	NM_002769	PRSS1	protease, serine, 1 (trypsin 1)	-0.837391	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002769	PRSS1	protease, serine, 1 (trypsin 1)	-0.789629	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0027 69	PRSS1	protease, serine, 1 (trypsin 1)	-0.559371	Inlier
siRNA Disorazole DMSO Run1	NM_0027 69	PRSS1	protease, serine, 1 (trypsin 1)	-0.03966	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0027 69	PRSS1	protease, serine, 1 (trypsin 1)	0.03966	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0027 69	PRSS1	protease, serine, 1 (trypsin 1)	0.288045	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0027 69	PRSS1	protease, serine, 1 (trypsin 1)	1.184514	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0027 69	PRSS1	protease, serine, 1 (trypsin 1)	1.672144	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0027 75	PRSS11	protease, serine, 11 (IGF binding)	-0.694637	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0027 75	PRSS11	protease, serine, 11 (IGF binding)	-0.673722	Inlier
siRNA Disorazole DMSO Run2	NM_0027 75	PRSS11	protease, serine, 11 (IGF binding)	-0.420557	Inlier
siRNA Disorazole DMSO Run3	NM_0027 75	PRSS11	protease, serine, 11 (IGF binding)	-0.250141	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0027 75	PRSS11	protease, serine, 11 (IGF binding)	0.250141	Inlier
siRNA Disorazole DMSO Run1	NM_0027 75	PRSS11	protease, serine, 11 (IGF binding)	0.675278	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0027 75	PRSS11	protease, serine, 11 (IGF binding)	1.44398	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0027 75	PRSS11	protease, serine, 11 (IGF binding)	1.551593	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0036 19	PRSS12	protease, serine, 12 (neurotryp sin, motopsin)	-0.944668	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0036 19	PRSS12	protease, serine, 12 (neurotryp sin, motopsin)	-0.521956	Inlier
siRNA Disorazole DMSO Run3	NM_0036 19	PRSS12	protease, serine, 12 (neurotryp sin, motopsin)	-0.480481	Inlier
siRNA Disorazole DMSO Run2	NM_0036 19	PRSS12	protease, serine, 12 (neurotryp sin, motopsin)	-0.15445	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0036 19	PRSS12	protease, serine, 12 (neurotryp sin, motopsin)	0.15445	Inlier
siRNA Disorazole DMSO Run1	NM_0036 19	PRSS12	protease, serine, 12 (neurotryp sin, motopsin)	0.827044	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0036 19	PRSS12	protease, serine, 12 (neurotryp sin, motopsin)	1.730775	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0036 19	PRSS12	protease, serine, 15	1.9318	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0047 93	PRSS15	protease, serine, 15	-3.938976	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0047 93	PRSS15	protease, serine, 15	-1.894949	Inlier
siRNA Disorazole DMSO Run2	NM_0047 93	PRSS15	protease, serine, 15	-1.537361	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0047 93	PRSS15	protease, serine, 15	-0.151232	Inlier
siRNA Disorazole DMSO Run1	NM_0047 93	PRSS15	protease, serine, 15	0.151233	Inlier
siRNA Disorazole DMSO Run3	NM_0047 93	PRSS15	protease, serine, 15	0.154851	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Vinblastine Run2- DMSO	NM_0047 93	PRSS15	protease, serine, 15	0.424039	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0047 93	PRSS15	protease, serine, 15	0.924961	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0058 65	PRSS16	protease, serine, 16 (thymus)	-1.235082	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0058 65	PRSS16	protease, serine, 16 (thymus)	-0.937879	Inlier
siRNA Disorazole DMSO Run2	NM_0058 65	PRSS16	protease, serine, 16 (thymus)	-0.29693	Inlier
siRNA Disorazole DMSO Run1	NM_0058 65	PRSS16	protease, serine, 16 (thymus)	-0.028299	Inlier
siRNA Disorazole DMSO Run3	NM_0058 65	PRSS16	protease, serine, 16 (thymus)	0.028299	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0058 65	PRSS16	protease, serine, 16 (thymus)	0.411121	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0058 65	PRSS16	protease, serine, 16 (thymus)	1.109517	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0058 65	PRSS16	protease, serine, 16 (thymus)	1.396058	Inlier
siRNA Disorazole DMSO Run2	NM_0027 70	PRSS2	protease, serine, 2 (trypsin 2)	-2.110859	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0027 70	PRSS2	protease, serine, 2 (trypsin 2)	-0.840542	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0027 70	PRSS2	protease, serine, 2 (trypsin 2)	-0.76762	Inlier
siRNA Disorazole DMSO Run3	NM_0027 70	PRSS2	protease, serine, 2 (trypsin 2)	-0.289285	Inlier
siRNA Disorazole DMSO Run1	NM_0027 70	PRSS2	protease, serine, 2 (trypsin 2)	0.289284	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0027 70	PRSS2	protease, serine, 2 (trypsin 2)	0.529676	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0027 70	PRSS2	protease, serine, 2 (trypsin 2)	0.581379	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0027 70	PRSS2	protease, serine, 2 (trypsin 2)	1.82201	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology			protease,	
siRNA-Temozolomide Run3-DMSO	NM_1449 56	PRSS21	serine, 21 (testisin)	-1.202928 Inlier
siRNA-Temozolomide Run2-DMSO	NM_1449 56	PRSS21	protease, serine, 21 (testisin)	-0.676449 Inlier
siRNA Disorazole DMSO Run2	NM_1449 56	PRSS21	protease, serine, 21 (testisin)	-0.672551 Inlier
siRNA Disorazole DMSO Run3	NM_1449 56	PRSS21	protease, serine, 21 (testisin)	-0.224043 Inlier
siRNA Disorazole DMSO Run1	NM_1449 56	PRSS21	protease, serine, 21 (testisin)	0.224042 Inlier
siRNA-Temozolomide Run1-DMSO	NM_1449 56	PRSS21	protease, serine, 21 (testisin)	0.501351 Inlier
siRNA-Vinblastine Run2-DMSO	NM_1449 56	PRSS21	protease, serine, 21 (testisin)	2.120571 Inlier
siRNA-Vinblastine Run1-DMSO	NM_1449 56	PRSS21	protease, serine, 21 (testisin)	2.603019 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0221 19	PRSS22	protease, serine, 22	-1.324286 Inlier
siRNA Disorazole DMSO Run2	NM_0221 19	PRSS22	protease, serine, 22	-1.112071 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0221 19	PRSS22	protease, serine, 22	-0.422915 Inlier
siRNA Disorazole DMSO Run1	NM_0221 19	PRSS22	protease, serine, 22	-0.15232 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0221 19	PRSS22	protease, serine, 22	0.15232 Inlier
siRNA Disorazole DMSO Run3	NM_0221 19	PRSS22	protease, serine, 22	0.3837 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0221 19	PRSS22	protease, serine, 22	0.926085 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0221 19	PRSS22	protease, serine, 22	1.129993 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0071 73	PRSS23	protease, serine, 23	-1.220333 Inlier
siRNA Disorazole DMSO Run2	NM_0071 73	PRSS23	protease, serine, 23	-0.449479 Inlier
siRNA Disorazole DMSO Run1	NM_0071 73	PRSS23	protease, serine, 23	-0.41567 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0071 73	PRSS23	protease, serine, 23	-0.308294 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0071 73	PRSS23	protease, serine, 23	0.308293 Inlier
siRNA Disorazole DMSO Run3	NM_0071 73	PRSS23	protease, serine, 23	0.899521 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Vinblastine Run1- DMSO	NM_0071 73	PRSS23	protease, serine, 23	2.353814	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0071 73	PRSS23	protease, serine, 23	3.004298	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0132 47	PRSS25	protease, serine, 25	-0.700802	Inlier
siRNA Disorazole DMSO Run3	NM_0132 47	PRSS25	protease, serine, 25	-0.697847	Inlier
siRNA Disorazole DMSO Run2	NM_0132 47	PRSS25	protease, serine, 25	-0.651153	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0132 47	PRSS25	protease, serine, 25	-0.52144	Inlier
siRNA Disorazole DMSO Run1	NM_0132 47	PRSS25	protease, serine, 25	0.52144	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0132 47	PRSS25	protease, serine, 25	0.628507	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0132 47	PRSS25	protease, serine, 25	0.802371	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0132 47	PRSS25	protease, serine, 25	1.032723	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0027 71	PRSS3	protease, serine, 3 (mesotryp sin)	-1.279128	Inlier
siRNA Disorazole DMSO Run2	NM_0027 71	PRSS3	protease, serine, 3 (mesotryp sin)	-0.830835	Inlier
siRNA Disorazole DMSO Run3	NM_0027 71	PRSS3	protease, serine, 3 (mesotryp sin)	-0.310789	Inlier
siRNA Disorazole DMSO Run1	NM_0027 71	PRSS3	protease, serine, 3 (mesotryp sin)	-0.132638	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0027 71	PRSS3	protease, serine, 3 (mesotryp sin)	0.132638	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0027 71	PRSS3	protease, serine, 3 (mesotryp sin)	0.642572	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0027 71	PRSS3	protease, serine, 3 (mesotryp sin)	0.706428	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0027 71	PRSS3	protease, serine, 3 (mesotryp sin)	1.175848	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_1528		protease,		
siRNA Disorazole DMSO Run2	91	PRSS33	serine, 33	-0.680482	Inlier
siRNA-Temozolomide Run3-	NM_1528		protease,		
DMSO	91	PRSS33	serine, 33	-0.668518	Inlier
siRNA-Temozolomide Run2-	NM_1528		protease,		
DMSO	91	PRSS33	serine, 33	-0.456768	Inlier
	NM_1528		protease,		
siRNA Disorazole DMSO Run3	91	PRSS33	serine, 33	-0.416852	Inlier
siRNA-Temozolomide Run1-	NM_1528		protease,		
DMSO	91	PRSS33	serine, 33	0.416852	Inlier
	NM_1528		protease,		
siRNA Disorazole DMSO Run1	91	PRSS33	serine, 33	0.759581	Inlier
siRNA-Vinblastine Run2-	NM_1528		protease,		
DMSO	91	PRSS33	serine, 33	1.049665	Inlier
siRNA-Vinblastine Run1-	NM_1528		protease,		
DMSO	91	PRSS33	serine, 33	1.38753	Inlier
	NM_1533		protease,		
siRNA Disorazole DMSO Run2	62	PRSS35	serine, 35	-1.646899	Inlier
siRNA-Temozolomide Run3-	NM_1533		protease,		
DMSO	62	PRSS35	serine, 35	-0.759529	Inlier
siRNA-Temozolomide Run2-	NM_1533		protease,		
DMSO	62	PRSS35	serine, 35	-0.548781	Inlier
	NM_1533		protease,		
siRNA Disorazole DMSO Run1	62	PRSS35	serine, 35	-0.121462	Inlier
	NM_1533		protease,		
siRNA Disorazole DMSO Run3	62	PRSS35	serine, 35	0.121462	Inlier
siRNA-Temozolomide Run1-	NM_1533		protease,		
DMSO	62	PRSS35	serine, 35	0.589471	Inlier
siRNA-Vinblastine Run2-	NM_1533		protease,		
DMSO	62	PRSS35	serine, 35	0.905855	Inlier
siRNA-Vinblastine Run1-	NM_1533		protease,		
DMSO	62	PRSS35	serine, 35	1.426282	Inlier
			protease,		
			serine, 7		
siRNA-Temozolomide Run2-	NM_0027		(enterokin		
DMSO	72	PRSS7	ase)	-1.574557	Inlier
			protease,		
			serine, 7		
	NM_0027		(enterokin		
siRNA Disorazole DMSO Run3	72	PRSS7	ase)	-0.650663	Inlier
			protease,		
			serine, 7		
	NM_0027		(enterokin		
siRNA Disorazole DMSO Run2	72	PRSS7	ase)	-0.38919	Inlier
			protease,		
			serine, 7		
	NM_0027		(enterokin		
siRNA-Temozolomide Run3-	72	PRSS7	ase)	-0.11248	Inlier
DMSO			protease,		
			serine, 7		
	NM_0027		(enterokin		
siRNA Disorazole DMSO Run1	72	PRSS7	ase)	0.112479	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0027 72	PRSS7	protease, serine, 7 (enterokinase)	0.698337	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0027 72	PRSS7	protease, serine, 7 (enterokinase)	2.699762	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0027 72	PRSS7	protease, serine, 7 (enterokinase)	3.501604	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0027 73	PRSS8	protease, serine, 8 (prostasin)	-1.238472	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0027 73	PRSS8	protease, serine, 8 (prostasin)	-1.004677	Inlier
siRNA Disorazole DMSO Run3	NM_0027 73	PRSS8	protease, serine, 8 (prostasin)	-0.670198	Inlier
siRNA Disorazole DMSO Run1	NM_0027 73	PRSS8	protease, serine, 8 (prostasin)	-0.169699	Inlier
siRNA Disorazole DMSO Run2	NM_0027 73	PRSS8	protease, serine, 8 (prostasin)	0.169699	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0027 73	PRSS8	protease, serine, 8 (prostasin)	0.277141	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0027 73	PRSS8	protease, serine, 8 (prostasin)	0.678802	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0027 73	PRSS8	protease, serine, 8 (prostasin)	0.987786	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0202 00	PRTFDC1	1 phosphoryl transferase domain containing	-3.494412	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Condition	Phosphorylation	Log2 Fold Change	Outlier
siRNA-Vinblastine Run2-DMSO	NM_020200	PRTFDC1	phosphorylation domain containing	-1.028722	Inlier
siRNA-Temozolomide Run2-DMSO	NM_020200	PRTFDC1	phosphorylation domain containing	-0.320278	Inlier
siRNA-Temozolomide Run1-DMSO	NM_020200	PRTFDC1	phosphorylation domain containing	-0.090704	Inlier
siRNA Disorazole DMSO Run1	NM_020200	PRTFDC1	phosphorylation domain containing	0.090704	Inlier
siRNA Disorazole DMSO Run3	NM_020200	PRTFDC1	phosphorylation domain containing	0.2141	Inlier
siRNA-Vinblastine Run1-DMSO	NM_020200	PRTFDC1	phosphorylation domain containing	1.789326	Inlier
siRNA Disorazole DMSO Run2	NM_020200	PRTFDC1	phosphorylation domain containing	2.531578	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_002777	PRTN3	proteinase 3 (serine proteinase , neutrophil, Wegener granulomatosis autoantigen)	-1.38788	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002777	PRTN3	proteinase 3 (serine proteinase , neutrophil, Wegener granulomatosis autoantigen)	-0.932731	Inlier
siRNA Disorazole DMSO Run2	NM_002777	PRTN3	proteinase 3 (serine proteinase , neutrophil, Wegener granulomatosis autoantigen)	-0.271781	Inlier
siRNA Disorazole DMSO Run1	NM_002777	PRTN3	proteinase 3 (serine proteinase , neutrophil, Wegener granulomatosis autoantigen)	-0.137929	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0027 77	PRTN3	proteinase 3 (serine proteinase , neutrophil, Wegener granuloma tosis autoantige n)	0.137929	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0027 77	PRTN3	proteinase 3 (serine proteinase , neutrophil, Wegener granuloma tosis autoantige n)	0.416269	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0027 77	PRTN3	proteinase 3 (serine proteinase , neutrophil, Wegener granuloma tosis autoantige n)	1.232351	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0027 77	PRTN3	proteinase 3 (serine proteinase , neutrophil, Wegener granuloma tosis autoantige n)	1.469216	Inlier
siRNA Disorazole DMSO Run3	NM_0581 79	PSAT1	phospho serine aminotran sferase 1	-1.302506	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0581 79	PSAT1	phosphoserine aminotransferase 1	-0.866387	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0581 79	PSAT1	phosphoserine aminotransferase 1	-0.737801	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0581 79	PSAT1	phosphoserine aminotransferase 1	-0.074694	Inlier
siRNA Disorazole DMSO Run1	NM_0581 79	PSAT1	phosphoserine aminotransferase 1	0.074694	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0581 79	PSAT1	phosphoserine aminotransferase 1	0.352476	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0581 79	PSAT1	phosphoserine aminotransferase 1	0.611199	Inlier
siRNA Disorazole DMSO Run2	NM_0581 79	PSAT1	phosphoserine aminotransferase 1	1.182159	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0000 21	PSEN1	presenilin 1 (Alzheimer disease 3)	-1.565166	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0000 21	PSEN1	presenilin 1 (Alzheimer disease 3)	-1.171477	Inlier
siRNA Disorazole DMSO Run2	NM_0000 21	PSEN1	presenilin 1 (Alzheimer disease 3)	-0.833402	Inlier
siRNA Disorazole DMSO Run1	NM_0000 21	PSEN1	presenilin 1 (Alzheimer disease 3)	-0.18598	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_000021	PSEN1	presenilin 1 (Alzheimer disease 3)	0.185979	Inlier
siRNA Disorazole DMSO Run3	NM_000021	PSEN1	presenilin 1 (Alzheimer disease 3)	0.634844	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000021	PSEN1	presenilin 1 (Alzheimer disease 3)	0.654147	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000021	PSEN1	presenilin 1 (Alzheimer disease 3)	0.694853	Inlier
siRNA-Temozolomide Run3-DMSO	NM_012486	PSEN2	presenilin 2 (Alzheimer disease 4)	-2.147428	Inlier
siRNA-Temozolomide Run2-DMSO	NM_012486	PSEN2	presenilin 2 (Alzheimer disease 4)	-0.878477	Inlier
siRNA Disorazole DMSO Run1	NM_012486	PSEN2	presenilin 2 (Alzheimer disease 4)	-0.470523	Inlier
siRNA Disorazole DMSO Run2	NM_012486	PSEN2	presenilin 2 (Alzheimer disease 4)	-0.230636	Inlier
siRNA-Temozolomide Run1-DMSO	NM_012486	PSEN2	presenilin 2 (Alzheimer disease 4)	0.230636	Inlier
siRNA Disorazole DMSO Run3	NM_012486	PSEN2	presenilin 2 (Alzheimer disease 4)	0.384528	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0124 86	PSEN2	presenilin 2 (Alzheimer disease 4)	0.957386	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0124 86	PSEN2	presenilin 2 (Alzheimer disease 4)	1.184909	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0067 42	PSKH1	protein serine kinase H1	-1.753879	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0067 42	PSKH1	protein serine kinase H1	-0.957018	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0067 42	PSKH1	protein serine kinase H1	-0.590369	Inlier
siRNA Disorazole DMSO Run3	NM_0067 42	PSKH1	protein serine kinase H1	-0.312349	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0067 42	PSKH1	protein serine kinase H1	0.312349	Inlier
siRNA Disorazole DMSO Run2	NM_0067 42	PSKH1	protein serine kinase H1	0.495432	Inlier
siRNA Disorazole DMSO Run1	NM_0067 42	PSKH1	protein serine kinase H1	0.758631	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0067 42	PSKH1	protein serine kinase H1	5.190081	Outlier
siRNA Disorazole DMSO Run3	NM_0331 26	PSKH2	protein serine kinase H2	-2.027067	Inlier
siRNA Disorazole DMSO Run2	NM_0331 26	PSKH2	protein serine kinase H2	-1.291475	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0331 26	PSKH2	protein serine kinase H2	-0.788009	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0331 26	PSKH2	protein serine kinase H2	-0.049502	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0331 26	PSKH2	protein serine kinase H2	0.049501	Inlier
siRNA Disorazole DMSO Run1	NM_0331 26	PSKH2	protein serine kinase H2	0.436933	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0331 26	PSKH2	protein serine kinase H2	0.560991	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0331 26	PSKH2	protein serine kinase H2	2.355527	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1489 76	PSMA1	proteasome (prosome, macropain) subunit, alpha type, 1	-0.831082	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1489 76	PSMA1	proteasome (prosome, macropain) subunit, alpha type, 1	-0.712224	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1489 76	PSMA1	proteasome (prosome, macropain) subunit, alpha type, 1	-0.636776	Inlier
siRNA Disorazole DMSO Run2	NM_1489 76	PSMA1	proteasome (prosome, macropain) subunit, alpha type, 1	-0.057143	Inlier
siRNA Disorazole DMSO Run1	NM_1489 76	PSMA1	proteasome (prosome, macropain) subunit, alpha type, 1	0.057143	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_1489 76	PSMA1	proteasom e (prosome, macropain) subunit, alpha type, 1	0.114515	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1489 76	PSMA1	proteasom e (prosome, macropain) subunit, alpha type, 1	1.679818	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1489 76	PSMA1	proteasom e (prosome, macropain) subunit, alpha type, 1	1.911018	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0027 87	PSMA2	proteasom e (prosome, macropain) subunit, alpha type, 2	-1.398765	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0027 87	PSMA2	proteasom e (prosome, macropain) subunit, alpha type, 2	-1.086455	Inlier
siRNA Disorazole DMSO Run3	NM_0027 87	PSMA2	proteasom e (prosome, macropain) subunit, alpha type, 2	-0.063708	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_002787	PSMA2	proteasome (prosome, macropain) subunit, alpha type, 2	-0.003927	Inlier
siRNA Disorazole DMSO Run1	NM_002787	PSMA2	proteasome (prosome, macropain) subunit, alpha type, 2	0.003927	Inlier
siRNA Disorazole DMSO Run2	NM_002787	PSMA2	proteasome (prosome, macropain) subunit, alpha type, 2	0.262545	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002787	PSMA2	proteasome (prosome, macropain) subunit, alpha type, 2	2.932016	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002787	PSMA2	proteasome (prosome, macropain) subunit, alpha type, 2	3.221474	Inlier
siRNA-Temozolomide Run3-DMSO	NM_152132	PSMA3	proteasome (prosome, macropain) subunit, alpha type, 3	-0.756744	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_1521 32	PSMA3	proteasome (prosome, macropain) subunit, alpha type, 3	-0.734694	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1521 32	PSMA3	proteasome (prosome, macropain) subunit, alpha type, 3	-0.614306	Inlier
siRNA Disorazole DMSO Run3	NM_1521 32	PSMA3	proteasome (prosome, macropain) subunit, alpha type, 3	-0.088738	Inlier
siRNA Disorazole DMSO Run2	NM_1521 32	PSMA3	proteasome (prosome, macropain) subunit, alpha type, 3	0.088738	Inlier
siRNA Disorazole DMSO Run1	NM_1521 32	PSMA3	proteasome (prosome, macropain) subunit, alpha type, 3	0.515202	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1521 32	PSMA3	proteasome (prosome, macropain) subunit, alpha type, 3	2.103282	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_152132	PSMA3	proteasome (prosome, macropain) subunit, alpha type, 3	2.592805	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002789	PSMA4	proteasome (prosome, macropain) subunit, alpha type, 4	-0.751241	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002789	PSMA4	proteasome (prosome, macropain) subunit, alpha type, 4	-0.681446	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002789	PSMA4	proteasome (prosome, macropain) subunit, alpha type, 4	-0.667554	Inlier
siRNA Disorazole DMSO Run1	NM_002789	PSMA4	proteasome (prosome, macropain) subunit, alpha type, 4	-0.12346	Inlier
siRNA Disorazole DMSO Run2	NM_002789	PSMA4	proteasome (prosome, macropain) subunit, alpha type, 4	0.12346	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0027 89	PSMA4	proteasom e (prosome, macropain) subunit, alpha type, 4	0.303334	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0027 89	PSMA4	proteasom e (prosome, macropain) subunit, alpha type, 4	0.932259	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0027 89	PSMA4	proteasom e (prosome, macropain) subunit, alpha type, 4	1.20138	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0027 90	PSMA5	proteasom e (prosome, macropain) subunit, alpha type, 5	-1.294342	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0027 90	PSMA5	proteasom e (prosome, macropain) subunit, alpha type, 5	-0.797864	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0027 90	PSMA5	proteasom e (prosome, macropain) subunit, alpha type, 5	-0.551136	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0027 90	PSMA5	proteasom e (prosome, macropain) subunit, alpha type, 5	-0.067932	Inlier
siRNA Disorazole DMSO Run1	NM_0027 90	PSMA5	proteasom e (prosome, macropain) subunit, alpha type, 5	0.067932	Inlier
siRNA Disorazole DMSO Run3	NM_0027 90	PSMA5	proteasom e (prosome, macropain) subunit, alpha type, 5	0.532177	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0027 90	PSMA5	proteasom e (prosome, macropain) subunit, alpha type, 5	2.989799	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0027 90	PSMA5	proteasom e (prosome, macropain) subunit, alpha type, 5	3.367941	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0027 91	PSMA6	proteasom e (prosome, macropain) subunit, alpha type, 6	-0.727867	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_002791	PSMA6	proteasome (prosome, macropain) subunit, alpha type, 6	-0.685678	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002791	PSMA6	proteasome (prosome, macropain) subunit, alpha type, 6	-0.663322	Inlier
siRNA Disorazole DMSO Run1	NM_002791	PSMA6	proteasome (prosome, macropain) subunit, alpha type, 6	-0.07085	Inlier
siRNA Disorazole DMSO Run3	NM_002791	PSMA6	proteasome (prosome, macropain) subunit, alpha type, 6	0.07085	Inlier
siRNA Disorazole DMSO Run2	NM_002791	PSMA6	proteasome (prosome, macropain) subunit, alpha type, 6	0.108637	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002791	PSMA6	proteasome (prosome, macropain) subunit, alpha type, 6	1.381532	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_002791	PSMA6	proteasome (prosome, macropain) subunit, alpha type, 6	1.946093	Inlier
siRNA-Temozolomide Run3-DMSO	NM_152255	PSMA7	proteasome (prosome, macropain) subunit, alpha type, 7	-1.020212	Inlier
siRNA-Temozolomide Run2-DMSO	NM_152255	PSMA7	proteasome (prosome, macropain) subunit, alpha type, 7	-0.813476	Inlier
siRNA Disorazole DMSO Run2	NM_152255	PSMA7	proteasome (prosome, macropain) subunit, alpha type, 7	-0.535524	Inlier
siRNA-Temozolomide Run1-DMSO	NM_152255	PSMA7	proteasome (prosome, macropain) subunit, alpha type, 7	-0.052333	Inlier
siRNA Disorazole DMSO Run3	NM_152255	PSMA7	proteasome (prosome, macropain) subunit, alpha type, 7	0.052333	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1522 55	PSMA7	proteasom e (prosome, macropain) subunit, alpha type, 7	0.13552	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1522 55	PSMA7	proteasom e (prosome, macropain) subunit, alpha type, 7	1.12611	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1522 55	PSMA7	proteasom e (prosome, macropain) subunit, alpha type, 7	1.221267	Inlier
siRNA Disorazole DMSO Run2	NM_1536 96	PSMAL/G CP III	PSMAL/G CP III	-1.013736	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1536 96	PSMAL/G CP III	PSMAL/G CP III	-0.632812	Inlier
siRNA Disorazole DMSO Run3	NM_1536 96	PSMAL/G CP III	PSMAL/G CP III	-0.203915	Inlier
siRNA Disorazole DMSO Run1	NM_1536 96	PSMAL/G CP III	PSMAL/G CP III	-0.001344	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1536 96	PSMAL/G CP III	PSMAL/G CP III	0.001344	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1536 96	PSMAL/G CP III	PSMAL/G CP III	0.716188	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1536 96	PSMAL/G CP III	PSMAL/G CP III	0.985768	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1536 96	PSMAL/G CP III	PSMAL/G CP III	1.168358	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0027 93	PSMB1	proteasom e (prosome, macropain) subunit, beta type, 1	-0.98937	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_002793	PSMB1	proteasome (prosome, macropain) subunit, beta type, 1	-0.926566	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002793	PSMB1	proteasome (prosome, macropain) subunit, beta type, 1	-0.422434	Inlier
siRNA Disorazole DMSO Run2	NM_002793	PSMB1	proteasome (prosome, macropain) subunit, beta type, 1	-0.12813	Inlier
siRNA Disorazole DMSO Run1	NM_002793	PSMB1	proteasome (prosome, macropain) subunit, beta type, 1	0.12813	Inlier
siRNA Disorazole DMSO Run3	NM_002793	PSMB1	proteasome (prosome, macropain) subunit, beta type, 1	0.355544	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002793	PSMB1	proteasome (prosome, macropain) subunit, beta type, 1	1.042065	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_002793	PSMB1	1	proteasome (prosome, macropain) subunit, beta type,	1.061587 Inlier
siRNA-Temozolomide Run3-DMSO	NM_002801	PSMB10	10	proteasome (prosome, macropain) subunit, beta type,	-1.647043 Inlier
siRNA Disorazole DMSO Run2	NM_002801	PSMB10	10	proteasome (prosome, macropain) subunit, beta type,	-0.455047 Inlier
siRNA Disorazole DMSO Run3	NM_002801	PSMB10	10	proteasome (prosome, macropain) subunit, beta type,	-0.271317 Inlier
siRNA-Temozolomide Run2-DMSO	NM_002801	PSMB10	10	proteasome (prosome, macropain) subunit, beta type,	-0.073532 Inlier
siRNA-Temozolomide Run1-DMSO	NM_002801	PSMB10	10	proteasome (prosome, macropain) subunit, beta type,	0.073532 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_002801	PSMB10	proteasome (prosome, macropain) subunit, beta type, 10	0.893953	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002801	PSMB10	proteasome (prosome, macropain) subunit, beta type, 10	1.506797	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002801	PSMB10	proteasome (prosome, macropain) subunit, beta type, 10	1.693153	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002794	PSMB2	proteasome (prosome, macropain) subunit, beta type, 2	-0.807584	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002794	PSMB2	proteasome (prosome, macropain) subunit, beta type, 2	-0.71402	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002794	PSMB2	proteasome (prosome, macropain) subunit, beta type, 2	-0.63498	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0027 94	PSMB2	proteasom e (prosome, macropain) subunit, beta type, 2	-0.179464	Inlier
siRNA Disorazole DMSO Run2	NM_0027 94	PSMB2	proteasom e (prosome, macropain) subunit, beta type, 2	0.179464	Inlier
siRNA Disorazole DMSO Run3	NM_0027 94	PSMB2	proteasom e (prosome, macropain) subunit, beta type, 2	0.506001	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0027 94	PSMB2	proteasom e (prosome, macropain) subunit, beta type, 2	1.810422	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0027 94	PSMB2	proteasom e (prosome, macropain) subunit, beta type, 2	2.711805	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0027 95	PSMB3	proteasom e (prosome, macropain) subunit, beta type, 3	-1.151646	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0027 95	PSMB3	proteasom e (prosome, macropain) subunit, beta type, 3	-0.809497	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0027 95	PSMB3	proteasom e (prosome, macropain) subunit, beta type, 3	-0.518092	Inlier
siRNA Disorazole DMSO Run3	NM_0027 95	PSMB3	proteasom e (prosome, macropain) subunit, beta type, 3	-0.040147	Inlier
siRNA Disorazole DMSO Run2	NM_0027 95	PSMB3	proteasom e (prosome, macropain) subunit, beta type, 3	0.040147	Inlier
siRNA Disorazole DMSO Run1	NM_0027 95	PSMB3	proteasom e (prosome, macropain) subunit, beta type, 3	0.539503	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0027 95	PSMB3	proteasom e (prosome, macropain) subunit, beta type, 3	1.750829	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_002795	PSMB3	proteasome (prosome, macropain) subunit, beta type, 3	1.872429	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002796	PSMB4	proteasome (prosome, macropain) subunit, beta type, 4	-0.833578	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002796	PSMB4	proteasome (prosome, macropain) subunit, beta type, 4	-0.73425	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002796	PSMB4	proteasome (prosome, macropain) subunit, beta type, 4	-0.61475	Inlier
siRNA Disorazole DMSO Run1	NM_002796	PSMB4	proteasome (prosome, macropain) subunit, beta type, 4	-0.107157	Inlier
siRNA Disorazole DMSO Run2	NM_002796	PSMB4	proteasome (prosome, macropain) subunit, beta type, 4	0.107157	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0027 96	PSMB4	proteasom e (prosome, macropain) subunit, beta type, 4	0.320785	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0027 96	PSMB4	proteasom e (prosome, macropain) subunit, beta type, 4	2.542411	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0027 96	PSMB4	proteasom e (prosome, macropain) subunit, beta type, 4	3.050937	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0027 97	PSMB5	proteasom e (prosome, macropain) subunit, beta type, 5	-5.081172	Outlier
siRNA-Temozolomide Run1- DMSO	NM_0027 97	PSMB5	proteasom e (prosome, macropain) subunit, beta type, 5	-0.470271	Inlier
siRNA Disorazole DMSO Run1	NM_0027 97	PSMB5	proteasom e (prosome, macropain) subunit, beta type, 5	-0.443546	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0027 97	PSMB5	proteasom e (prosome, macropain) subunit, beta type, 5	-0.070882	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0027 97	PSMB5	proteasom e (prosome, macropain) subunit, beta type, 5	0.070883	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0027 97	PSMB5	proteasom e (prosome, macropain) subunit, beta type, 5	0.878729	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0027 97	PSMB5	proteasom e (prosome, macropain) subunit, beta type, 5	1.779658	Inlier
siRNA Disorazole DMSO Run3	NM_0027 97	PSMB5	proteasom e (prosome, macropain) subunit, beta type, 5	2.034888	Inlier
siRNA Disorazole DMSO Run2	NM_0027 98	PSMB6	proteasom e (prosome, macropain) subunit, beta type, 6	-0.870278	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_002798	PSMB6	proteasome (prosome, macropain) subunit, beta type, 6	-0.711468	Inlier
siRNA Disorazole DMSO Run3	NM_002798	PSMB6	proteasome (prosome, macropain) subunit, beta type, 6	-0.553119	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002798	PSMB6	proteasome (prosome, macropain) subunit, beta type, 6	-0.417668	Inlier
siRNA Disorazole DMSO Run1	NM_002798	PSMB6	proteasome (prosome, macropain) subunit, beta type, 6	0.417668	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002798	PSMB6	proteasome (prosome, macropain) subunit, beta type, 6	0.637532	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002798	PSMB6	proteasome (prosome, macropain) subunit, beta type, 6	1.378799	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_002798	PSMB6	proteasome (prosome, macropain) subunit, beta type, 6	1.474127	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002799	PSMB7	proteasome (prosome, macropain) subunit, beta type, 7	-1.06461	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002799	PSMB7	proteasome (prosome, macropain) subunit, beta type, 7	-0.72763	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002799	PSMB7	proteasome (prosome, macropain) subunit, beta type, 7	-0.418828	Inlier
siRNA Disorazole DMSO Run2	NM_002799	PSMB7	proteasome (prosome, macropain) subunit, beta type, 7	-0.218575	Inlier
siRNA Disorazole DMSO Run1	NM_002799	PSMB7	proteasome (prosome, macropain) subunit, beta type, 7	0.218575	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0027 99	PSMB7	proteasom e (prosome, macropain) subunit, beta type, 7	0.62137	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0027 99	PSMB7	proteasom e (prosome, macropain) subunit, beta type, 7	1.020177	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0027 99	PSMB7	proteasom e (prosome, macropain) subunit, beta type, 7	1.258258	Inlier
siRNA Disorazole DMSO Run2	NM_0041 59	PSMB8	proteasom e (prosome, macropain) subunit, beta type, 8 (large multifuncti onal protease 7)	-0.843895	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0041 59	PSMB8	proteasom e (prosome, macropain) subunit, beta type, 8 (large multifuncti onal protease 7)	-0.821127	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_004159	PSMB8	proteasome (prosome, macropain) subunit, beta type, 8 (large multifunctional protease 7)	-0.325051	Inlier
siRNA Disorazole DMSO Run3	NM_004159	PSMB8	proteasome (prosome, macropain) subunit, beta type, 8 (large multifunctional protease 7)	-0.298861	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004159	PSMB8	proteasome (prosome, macropain) subunit, beta type, 8 (large multifunctional protease 7)	0.298861	Inlier
siRNA Disorazole DMSO Run1	NM_004159	PSMB8	proteasome (prosome, macropain) subunit, beta type, 8 (large multifunctional protease 7)	0.527873	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_004159	PSMB8	proteasome (prosome, macropain) subunit, beta type, 8 (large multifunctional protease 7)	0.985196	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004159	PSMB8	proteasome (prosome, macropain) subunit, beta type, 8 (large multifunctional protease 7)	1.148595	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002800	PSMB9	proteasome (prosome, macropain) subunit, beta type, 9 (large multifunctional protease 2)	-1.986653	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002800	PSMB9	proteasome (prosome, macropain) subunit, beta type, 9 (large multifunctional protease 2)	-1.437385	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_002800	PSMB9	proteasome (prosome, macropain) subunit, beta type, 9 (large multifunctional protease 2)	-0.413997	Inlier
siRNA Disorazole DMSO Run3	NM_002800	PSMB9	proteasome (prosome, macropain) subunit, beta type, 9 (large multifunctional protease 2)	-0.33384	Inlier
siRNA-Temozolomide DMSO Run1-	NM_002800	PSMB9	proteasome (prosome, macropain) subunit, beta type, 9 (large multifunctional protease 2)	0.33384	Inlier
siRNA-Vinblastine DMSO Run2-	NM_002800	PSMB9	proteasome (prosome, macropain) subunit, beta type, 9 (large multifunctional protease 2)	0.623975	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_002800	PSMB9	proteasome (prosome, macropain) subunit, beta type, 9 (large multifunctional protease 2)	0.725025	Inlier
siRNA Disorazole DMSO Run1	NM_002800	PSMB9	proteasome (prosome, macropain) subunit, beta type, 9 (large multifunctional protease 2)	0.914091	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002802	PSMC1	proteasome (prosome, macropain) 26S subunit, ATPase, 1	-1.051282	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002802	PSMC1	proteasome (prosome, macropain) 26S subunit, ATPase, 1	-0.802031	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002802	PSMC1	proteasome (prosome, macropain) 26S subunit, ATPase, 1	-0.546969	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0028 02	PSMC1	proteasom e (prosome, macropain) 26S subunit, ATPase, 1	-0.251525	Inlier
siRNA Disorazole DMSO Run1	NM_0028 02	PSMC1	proteasom e (prosome, macropain) 26S subunit, ATPase, 1	0.251526	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0028 02	PSMC1	proteasom e (prosome, macropain) 26S subunit, ATPase, 1	0.377014	Inlier
siRNA Disorazole DMSO Run2	NM_0028 02	PSMC1	proteasom e (prosome, macropain) 26S subunit, ATPase, 1	0.872527	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0028 02	PSMC1	proteasom e (prosome, macropain) 26S subunit, ATPase, 1	1.164856	Inlier
siRNA Disorazole DMSO Run3	NM_0028 03	PSMC2	proteasom e (prosome, macropain) 26S subunit, ATPase, 2	-1.049115	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_002803	PSMC2	proteasome (prosome, macropain) 26S subunit, ATPase, 2	-0.937001	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002803	PSMC2	proteasome (prosome, macropain) 26S subunit, ATPase, 2	-0.411999	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002803	PSMC2	proteasome (prosome, macropain) 26S subunit, ATPase, 2	-0.187897	Inlier
siRNA Disorazole DMSO Run1	NM_002803	PSMC2	proteasome (prosome, macropain) 26S subunit, ATPase, 2	0.187897	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002803	PSMC2	proteasome (prosome, macropain) 26S subunit, ATPase, 2	0.302545	Inlier
siRNA Disorazole DMSO Run2	NM_002803	PSMC2	proteasome (prosome, macropain) 26S subunit, ATPase, 2	2.328124	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_002803	PSMC2	proteasome (prosome, macropain) 26S subunit, ATPase, 2	2.405607	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002804	PSMC3	proteasome (prosome, macropain) 26S subunit, ATPase, 3	-0.800716	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002804	PSMC3	proteasome (prosome, macropain) 26S subunit, ATPase, 3	-0.548284	Inlier
siRNA Disorazole DMSO Run1	NM_002804	PSMC3	proteasome (prosome, macropain) 26S subunit, ATPase, 3	-0.485685	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002804	PSMC3	proteasome (prosome, macropain) 26S subunit, ATPase, 3	-0.433999	Inlier
siRNA Disorazole DMSO Run3	NM_002804	PSMC3	proteasome (prosome, macropain) 26S subunit, ATPase, 3	0.433999	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_002804	PSMC3	proteasome (prosome, macropain) 26S subunit, ATPase, 3	1.600664	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002804	PSMC3	proteasome (prosome, macropain) 26S subunit, ATPase, 3	31.45086	Outlier
siRNA Disorazole DMSO Run2	NM_002804	PSMC3	proteasome (prosome, macropain) 26S subunit, ATPase, 3	43.92327	Outlier
siRNA-Temozolomide Run1-DMSO	NM_153001	PSMC4	proteasome (prosome, macropain) 26S subunit, ATPase, 4	-0.92974	Inlier
siRNA-Temozolomide Run3-DMSO	NM_153001	PSMC4	proteasome (prosome, macropain) 26S subunit, ATPase, 4	-0.914706	Inlier
siRNA-Temozolomide Run2-DMSO	NM_153001	PSMC4	proteasome (prosome, macropain) 26S subunit, ATPase, 4	-0.434293	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_153001	PSMC4	proteasome (prosome, macropain) 26S subunit, ATPase, 4	-0.351622	Inlier
siRNA Disorazole DMSO Run1	NM_153001	PSMC4	proteasome (prosome, macropain) 26S subunit, ATPase, 4	0.351622	Inlier
siRNA Disorazole DMSO Run3	NM_153001	PSMC4	proteasome (prosome, macropain) 26S subunit, ATPase, 4	0.421617	Inlier
siRNA-Vinblastine Run1-DMSO	NM_153001	PSMC4	proteasome (prosome, macropain) 26S subunit, ATPase, 4	3.634471	Outlier
siRNA Disorazole DMSO Run2	NM_153001	PSMC4	proteasome (prosome, macropain) 26S subunit, ATPase, 4	3.75931	Outlier
siRNA-Temozolomide Run1-DMSO	NM_002805	PSMC5	proteasome (prosome, macropain) 26S subunit, ATPase, 5	-1.076595	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_002805	PSMC5	proteasome (prosome, macropain) 26S subunit, ATPase, 5	-0.272405	Inlier
siRNA-Temozolomide DMSO Run2-	NM_002805	PSMC5	proteasome (prosome, macropain) 26S subunit, ATPase, 5	-0.174263	Inlier
siRNA-Vinblastine DMSO Run2-	NM_002805	PSMC5	proteasome (prosome, macropain) 26S subunit, ATPase, 5	-0.092345	Inlier
siRNA-Temozolomide DMSO Run3-	NM_002805	PSMC5	proteasome (prosome, macropain) 26S subunit, ATPase, 5	0.092346	Inlier
siRNA Disorazole DMSO Run1	NM_002805	PSMC5	proteasome (prosome, macropain) 26S subunit, ATPase, 5	2.477895	Inlier
siRNA Disorazole DMSO Run2	NM_002805	PSMC5	proteasome (prosome, macropain) 26S subunit, ATPase, 5	39.53764	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_002805	PSMC5	proteasome (prosome, macropain) 26S subunit, ATPase, 5	44.52777	Outlier
siRNA-Vinblastine Run2-DMSO	NM_002806	PSMC6	proteasome (prosome, macropain) 26S subunit, ATPase, 6	-0.986706	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002806	PSMC6	proteasome (prosome, macropain) 26S subunit, ATPase, 6	-0.53383	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002806	PSMC6	proteasome (prosome, macropain) 26S subunit, ATPase, 6	-0.44789	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002806	PSMC6	proteasome (prosome, macropain) 26S subunit, ATPase, 6	-0.002179	Inlier
siRNA Disorazole DMSO Run3	NM_002806	PSMC6	proteasome (prosome, macropain) 26S subunit, ATPase, 6	0.00218	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_002806	PSMC6	proteasome (prosome, macropain) 26S subunit, ATPase, 6	0.81517	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002806	PSMC6	proteasome (prosome, macropain) 26S subunit, ATPase, 6	22.99059	Outlier
siRNA Disorazole DMSO Run2	NM_002806	PSMC6	proteasome (prosome, macropain) 26S subunit, ATPase, 6	26.46636	Outlier
siRNA-Vinblastine Run2-DMSO	NM_005805	PSMD14	proteasome (prosome, macropain) 26S subunit, non-ATPase, 14	-0.854942	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005805	PSMD14	proteasome (prosome, macropain) 26S subunit, non-ATPase, 14	-0.843388	Inlier
siRNA Disorazole DMSO Run3	NM_005805	PSMD14	proteasome (prosome, macropain) 26S subunit, non-ATPase, 14	-0.3763	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log2 Fold Change	Classification
siRNA-Temozolomide Run2-DMSO	NM_005805	PSMD14	proteasome (prosome, macropain) 26S subunit, non-ATPase, 14	-0.047969	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005805	PSMD14	proteasome (prosome, macropain) 26S subunit, non-ATPase, 14	0.047969	Inlier
siRNA Disorazole DMSO Run1	NM_005805	PSMD14	proteasome (prosome, macropain) 26S subunit, non-ATPase, 14	0.505612	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005805	PSMD14	proteasome (prosome, macropain) 26S subunit, non-ATPase, 14	19.60837	Outlier
siRNA Disorazole DMSO Run2	NM_005805	PSMD14	proteasome (prosome, macropain) 26S subunit, non-ATPase, 14	21.17624	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log Fold Change	Outlier Type
siRNA-Temozolomide Run2-DMSO	NM_002811	PSMD7	proteasome (prosome, macropain) 26S subunit, non-ATPase, 7 (Mov34 homolog)	-0.86176	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002811	PSMD7	proteasome (prosome, macropain) 26S subunit, non-ATPase, 7 (Mov34 homolog)	-0.48724	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002811	PSMD7	proteasome (prosome, macropain) 26S subunit, non-ATPase, 7 (Mov34 homolog)	-0.395313	Inlier
siRNA Disorazole DMSO Run3	NM_002811	PSMD7	proteasome (prosome, macropain) 26S subunit, non-ATPase, 7 (Mov34 homolog)	-0.055548	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002811	PSMD7	proteasome (prosome, macropain) 26S subunit, non-ATPase, 7 (Mov34 homolog)	0.055548	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0028 11	PSMD7	proteasom e (prosome, macropain) 26S subunit, non- ATPase, 7 (Mov34 homolog)	1.717583	Inlier
siRNA Disorazole DMSO Run2	NM_0028 11	PSMD7	proteasom e (prosome, macropain) 26S subunit, non- ATPase, 7 (Mov34 homolog)	8.174967	Outlier
siRNA-Vinblastine Run1- DMSO	NM_0028 11	PSMD7	proteasom e (prosome, macropain) 26S subunit, non- ATPase, 7 (Mov34 homolog)	8.813714	Outlier
siRNA-Temozolomide Run3- DMSO	NM_0028 13	PSMD9	proteasom e (prosome, macropain) 26S subunit, non- ATPase, 9	-4.049537	Outlier
siRNA-Temozolomide Run2- DMSO	NM_0028 13	PSMD9	proteasom e (prosome, macropain) 26S subunit, non- ATPase, 9	-1.692074	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0028 13	PSMD9	proteasom e (prosome, macropain) 26S subunit, non- ATPase, 9	-0.595201	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0028 13	PSMD9	proteasom e (prosome, macropain) 26S subunit, non- ATPase, 9	-0.112161	Inlier
siRNA Disorazole DMSO Run1	NM_0028 13	PSMD9	proteasom e (prosome, macropain) 26S subunit, non- ATPase, 9	0.112161	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0028 13	PSMD9	proteasom e (prosome, macropain) 26S subunit, non- ATPase, 9	0.576881	Inlier
siRNA Disorazole DMSO Run3	NM_0028 13	PSMD9	proteasom e (prosome, macropain) 26S subunit, non- ATPase, 9	0.753799	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_002813	PSMD9	proteasome (prosome, macropain) 26S subunit, non-ATPase, 9 phosphoserine phosphatase	1.532437	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004577	PSPH	phosphoserine phosphatase	-1.41022	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004577	PSPH	phosphoserine phosphatase	-0.796173	Inlier
siRNA Disorazole DMSO Run3	NM_004577	PSPH	phosphoserine phosphatase	-0.552827	Inlier
siRNA Disorazole DMSO Run2	NM_004577	PSPH	phosphoserine phosphatase	-0.474177	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004577	PSPH	phosphoserine phosphatase	0.474177	Inlier
siRNA Disorazole DMSO Run1	NM_004577	PSPH	phosphoserine phosphatase	0.495043	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004577	PSPH	phosphoserine phosphatase	1.348151	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004577	PSPH	phosphoserine phosphatase	1.493408	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003978	PSTPIP1	proline-serine-threonine phosphatase interacting protein 1	-3.553591	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_003978	PSTPIP1	proline-serine-threonine phosphatase interacting protein 1	-2.753439	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003978	PSTPIP1	proline-serine-threonine phosphatase interacting protein 1	-0.935508	Inlier
siRNA Disorazole DMSO Run1	NM_003978	PSTPIP1	proline-serine-threonine phosphatase interacting protein 1	-0.085941	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003978	PSTPIP1	proline-serine-threonine phosphatase interacting protein 1	0.085941	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003978	PSTPIP1	proline-serine-threonine phosphatase interacting protein 1	0.265304	Inlier
siRNA Disorazole DMSO Run3	NM_003978	PSTPIP1	proline-serine-threonine phosphatase interacting protein 1	0.413492	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0039 78	PSTPIP1	proline-serine-threonine phosphatase interacting protein 1	2.486708	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0244 30	PSTPIP2	proline-serine-threonine phosphatase interacting protein 2	-1.594513	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0244 30	PSTPIP2	proline-serine-threonine phosphatase interacting protein 2	-1.451591	Inlier
siRNA Disorazole DMSO Run1	NM_0244 30	PSTPIP2	proline-serine-threonine phosphatase interacting protein 2	-0.348583	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0244 30	PSTPIP2	proline-serine-threonine phosphatase interacting protein 2	-0.266516	Inlier
siRNA Disorazole DMSO Run3	NM_0244 30	PSTPIP2	proline-serine-threonine phosphatase interacting protein 2	0.266516	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0244 30	PSTPIP2	proline-serine-threonine phosphatase interacting protein 2	0.330214	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0244 30	PSTPIP2	proline-serine-threonine phosphatase interacting protein 2	1.000417	Inlier
siRNA Disorazole DMSO Run2	NM_0244 30	PSTPIP2	proline-serine-threonine phosphatase interacting protein 2	1.108945	Inlier
siRNA Disorazole DMSO Run3	NM_0009 52	PTAFR	platelet-activating factor receptor	-0.879638	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0009 52	PTAFR	platelet-activating factor receptor	-0.655724	Inlier
siRNA Disorazole DMSO Run2	NM_0009 52	PTAFR	platelet-activating factor receptor	-0.391819	Inlier
siRNA Disorazole DMSO Run1	NM_0009 52	PTAFR	platelet-activating factor receptor	-0.150292	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0009 52	PTAFR	platelet-activating factor receptor	0.150293	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0009 52	PTAFR	platelet-activating factor receptor	0.693276	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0009 52	PTAFR	platelet-activating factor receptor	1.236796	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_000952	PTAFR	platelet-activating factor receptor	1.370624	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003738	PTCH2	patched homolog 2 (Drosophila)	-2.711061	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003738	PTCH2	patched homolog 2 (Drosophila)	-0.666547	Inlier
siRNA Disorazole DMSO Run3	NM_003738	PTCH2	patched homolog 2 (Drosophila)	-0.091841	Inlier
siRNA Disorazole DMSO Run1	NM_003738	PTCH2	patched homolog 2 (Drosophila)	-0.076257	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003738	PTCH2	patched homolog 2 (Drosophila)	0.076257	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003738	PTCH2	patched homolog 2 (Drosophila)	0.682453	Inlier
siRNA Disorazole DMSO Run2	NM_003738	PTCH2	patched homolog 2 (Drosophila)	2.040804	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003738	PTCH2	patched homolog 2 (Drosophila)	2.317863	Inlier
siRNA-Vinblastine Run2-DMSO	NM_015167	PTDSR	phosphatidylinositol 3-OH kinase class I receptor	-1.005629	Inlier
siRNA-Temozolomide Run2-DMSO	NM_015167	PTDSR	phosphatidylinositol 3-OH kinase class I receptor	-0.856989	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0151 67	PTDSR	phosphatidyserine receptor	-0.492011	Inlier
siRNA Disorazole DMSO Run3	NM_0151 67	PTDSR	phosphatidyserine receptor	-0.059695	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0151 67	PTDSR	phosphatidyserine receptor	0.059695	Inlier
siRNA Disorazole DMSO Run1	NM_0151 67	PTDSR	phosphatidyserine receptor	0.415816	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0151 67	PTDSR	phosphatidyserine receptor	0.962299	Inlier
siRNA Disorazole DMSO Run2	NM_0151 67	PTDSR	phosphatidyserine receptor	1.192266	Inlier
siRNA Disorazole DMSO Run1	NM_0147 54	PTDSS1	phosphatidyserine synthase 1	-3.685596	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0147 54	PTDSS1	phosphatidyserine synthase 1	-0.6038	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0147 54	PTDSS1	phosphatidyserine synthase 1	-0.584634	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0147 54	PTDSS1	phosphatidyserine synthase 1	-0.462432	Inlier
siRNA Disorazole DMSO Run3	NM_0147 54	PTDSS1	phosphatidyserine synthase 1	0.462432	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0147 54	PTDSS1	phosphatidyserine synthase 1	0.7452	Inlier
siRNA Disorazole DMSO Run2	NM_0147 54	PTDSS1	phosphatidyserine synthase 1	1.173058	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0147 54	PTDSS1	phosphatidyserine synthase 1	2.589468	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0307 83	PTDSS2	phosphatidyserine synthase 2	-1.866316	Inlier
siRNA Disorazole DMSO Run3	NM_0307 83	PTDSS2	phosphatidyserine synthase 2	-0.924539	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0307 83	PTDSS2	phosphatidyserine synthase 2	-0.655886	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0307 83	PTDSS2	phosphatidyserine synthase 2	-0.018214	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0307 83	PTDSS2	phosphatidyserine synthase 2	0.018215	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0307 83	PTDSS2	phosphatidyserine synthase 2	0.571809	Inlier
siRNA Disorazole DMSO Run2	NM_0307 83	PTDSS2	phosphatidyserine synthase 2	0.693114	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0307 83	PTDSS2	phosphatidyserine synthase 2	1.758905	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1833 86	PTE1	peroxisomal acyl-CoA thioesterase	-0.715215	Inlier
siRNA Disorazole DMSO Run3	NM_1833 86	PTE1	peroxisomal acyl-CoA thioesterase	-0.633785	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1833 86	PTE1	peroxisomal acyl-CoA thioesterase	-0.538841	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1833 86	PTE1	peroxisomal acyl-CoA thioesterase	-0.060724	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_1833 86	PTE1	peroxisomal acyl-CoA thioesterase	0.060724	Inlier
siRNA Disorazole DMSO Run1	NM_1833 86	PTE1	peroxisomal acyl-CoA thioesterase	0.762619	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1833 86	PTE1	peroxisomal acyl-CoA thioesterase	3.386709	Inlier
siRNA Disorazole DMSO Run2	NM_1833 86	PTE1	peroxisomal acyl-CoA thioesterase	3.488523	Inlier
siRNA Disorazole DMSO Run3	NM_1523 31	PTE2B	PTE2B	-0.690779	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1523 31	PTE2B	PTE2B	-0.658221	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1523 31	PTE2B	PTE2B	-0.506689	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1523 31	PTE2B	PTE2B	-0.302938	Inlier
siRNA Disorazole DMSO Run1	NM_1523 31	PTE2B	PTE2B	0.302938	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1523 31	PTE2B	PTE2B	0.789441	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1523 31	PTE2B	PTE2B	1.046908	Inlier
siRNA Disorazole DMSO Run2	NM_1523 31	PTE2B	PTE2B	1.112025	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0003 14	PTEN	phosphatase and tensin homolog (mutated in multiple advanced cancers 1)	-0.956543	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_000314	PTEN	phosphatase and tensin homolog (mutated in multiple advanced cancers 1)	-0.953108	Inlier
siRNA Disorazole DMSO Run2	NM_000314	PTEN	phosphatase and tensin homolog (mutated in multiple advanced cancers 1)	-0.110864	Inlier
siRNA Disorazole DMSO Run3	NM_000314	PTEN	phosphatase and tensin homolog (mutated in multiple advanced cancers 1)	-0.082151	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000314	PTEN	phosphatase and tensin homolog (mutated in multiple advanced cancers 1)	0.082151	Inlier
siRNA Disorazole DMSO Run1	NM_000314	PTEN	phosphatase and tensin homolog (mutated in multiple advanced cancers 1)	0.482101	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_000314	PTEN	phosphatase and tensin homolog (mutated in multiple advanced cancers 1)	0.866899	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000314	PTEN	phosphatase and tensin homolog (mutated in multiple advanced cancers 1)	0.871946	Inlier
siRNA Disorazole DMSO Run3	NM_030664	PTER	phosphotriesterase related	-1.010552	Inlier
siRNA-Temozolomide Run3-DMSO	NM_030664	PTER	phosphotriesterase related	-0.338448	Inlier
siRNA-Temozolomide Run2-DMSO	NM_030664	PTER	phosphotriesterase related	-0.236586	Inlier
siRNA-Vinblastine Run2-DMSO	NM_030664	PTER	phosphotriesterase related	-0.107361	Inlier
siRNA Disorazole DMSO Run1	NM_030664	PTER	phosphotriesterase related	0.107361	Inlier
siRNA-Temozolomide Run1-DMSO	NM_030664	PTER	phosphotriesterase related	1.35867	Inlier
siRNA Disorazole DMSO Run2	NM_030664	PTER	phosphotriesterase related	1.77605	Inlier
siRNA-Vinblastine Run1-DMSO	NM_030664	PTER	phosphotriesterase related	2.407954	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000953	PTGDR	prostaglandin D2 receptor (DP)	-1.342104	Inlier
siRNA Disorazole DMSO Run2	NM_000953	PTGDR	prostaglandin D2 receptor (DP)	-0.899698	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0009 53	PTGDR	prostaglan din D2 receptor (DP)	-0.676358	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0009 53	PTGDR	prostaglan din D2 receptor (DP)	-0.03815	Inlier
siRNA Disorazole DMSO Run3	NM_0009 53	PTGDR	prostaglan din D2 receptor (DP)	0.03815	Inlier
siRNA Disorazole DMSO Run1	NM_0009 53	PTGDR	prostaglan din D2 receptor (DP)	0.183914	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0009 53	PTGDR	prostaglan din D2 receptor (DP)	0.672642	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0009 53	PTGDR	prostaglan din D2 receptor (DP)	0.693315	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0009 54	PTGDS	prostaglan din D2 synthase 21kDa (brain)	-0.752519	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0009 54	PTGDS	prostaglan din D2 synthase 21kDa (brain)	-0.725061	Inlier
siRNA Disorazole DMSO Run1	NM_0009 54	PTGDS	prostaglan din D2 synthase 21kDa (brain)	-0.299388	Inlier
siRNA Disorazole DMSO Run3	NM_0009 54	PTGDS	prostaglan din D2 synthase 21kDa (brain)	-0.060835	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0009 54	PTGDS	prostaglan din D2 synthase 21kDa (brain)	0.060835	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0009 54	PTGDS	prostaglandin D2 synthase 21kDa (brain)	0.623939	Inlier
siRNA Disorazole DMSO Run2	NM_0009 54	PTGDS	prostaglandin D2 synthase 21kDa (brain)	1.387609	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0009 54	PTGDS	prostaglandin D2 synthase 21kDa (brain)	1.868354	Inlier
siRNA Disorazole DMSO Run2	NM_0009 55	PTGER1	prostaglandin E receptor 1 (subtype EP1), 42kDa	-3.314222	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0009 55	PTGER1	prostaglandin E receptor 1 (subtype EP1), 42kDa	-1.255525	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0009 55	PTGER1	prostaglandin E receptor 1 (subtype EP1), 42kDa	-0.512989	Inlier
siRNA Disorazole DMSO Run3	NM_0009 55	PTGER1	prostaglandin E receptor 1 (subtype EP1), 42kDa	-0.004104	Inlier
siRNA Disorazole DMSO Run1	NM_0009 55	PTGER1	prostaglandin E receptor 1 (subtype EP1), 42kDa	0.004104	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0009 55	PTGER1	prostaglandin E receptor 1 (subtype EP1), 42kDa	0.292115	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Protein	Weight	Score	Category
siRNA-Vinblastine Run1-DMSO	PTGER1	NM_000955	prostaglandin E receptor 1 (subtype EP1), 42kDa	42kDa	0.836011	Inlier
siRNA-Vinblastine Run2-DMSO	PTGER1	NM_000955	prostaglandin E receptor 1 (subtype EP1), 42kDa	42kDa	1.009842	Inlier
siRNA-Temozolomide Run3-DMSO	PTGER2	NM_000956	prostaglandin E receptor 2 (subtype EP2), 53kDa	53kDa	-1.383945	Inlier
siRNA Disorazole DMSO Run2	PTGER2	NM_000956	prostaglandin E receptor 2 (subtype EP2), 53kDa	53kDa	-0.754518	Inlier
siRNA-Temozolomide Run2-DMSO	PTGER2	NM_000956	prostaglandin E receptor 2 (subtype EP2), 53kDa	53kDa	-0.594482	Inlier
siRNA Disorazole DMSO Run3	PTGER2	NM_000956	prostaglandin E receptor 2 (subtype EP2), 53kDa	53kDa	-0.066351	Inlier
siRNA Disorazole DMSO Run1	PTGER2	NM_000956	prostaglandin E receptor 2 (subtype EP2), 53kDa	53kDa	0.066351	Inlier
siRNA-Temozolomide Run1-DMSO	PTGER2	NM_000956	prostaglandin E receptor 2 (subtype EP2), 53kDa	53kDa	0.200412	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log2 Fold Change	Category
siRNA-Vinblastine Run2-DMSO	NM_000956	PTGER2	prostaglandin E receptor 2 (subtype EP2), 53kDa	1.303738	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000956	PTGER2	prostaglandin E receptor 2 (subtype EP2), 53kDa	1.367379	Inlier
siRNA-Temozolomide Run3-DMSO	NM_198720	PTGER3	prostaglandin E receptor 3 (subtype EP3)	-0.937575	Inlier
siRNA Disorazole DMSO Run2	NM_198720	PTGER3	prostaglandin E receptor 3 (subtype EP3)	-0.741368	Inlier
siRNA-Temozolomide Run2-DMSO	NM_198720	PTGER3	prostaglandin E receptor 3 (subtype EP3)	-0.336117	Inlier
siRNA-Temozolomide Run1-DMSO	NM_198720	PTGER3	prostaglandin E receptor 3 (subtype EP3)	-0.00761	Inlier
siRNA Disorazole DMSO Run3	NM_198720	PTGER3	prostaglandin E receptor 3 (subtype EP3)	0.00761	Inlier
siRNA Disorazole DMSO Run1	NM_198720	PTGER3	prostaglandin E receptor 3 (subtype EP3)	0.607632	Inlier
siRNA-Vinblastine Run1-DMSO	NM_198720	PTGER3	prostaglandin E receptor 3 (subtype EP3)	0.86033	Inlier
siRNA-Vinblastine Run2-DMSO	NM_198720	PTGER3	prostaglandin E receptor 3 (subtype EP3)	1.008708	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0009 58	PTGER4	prostaglandin E receptor 4 (subtype EP4)	-2.220378	Inlier
siRNA Disorazole DMSO Run2	NM_0009 58	PTGER4	prostaglandin E receptor 4 (subtype EP4)	-0.773796	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0009 58	PTGER4	prostaglandin E receptor 4 (subtype EP4)	-0.575204	Inlier
siRNA Disorazole DMSO Run1	NM_0009 58	PTGER4	prostaglandin E receptor 4 (subtype EP4)	-0.004093	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0009 58	PTGER4	prostaglandin E receptor 4 (subtype EP4)	0.004093	Inlier
siRNA Disorazole DMSO Run3	NM_0009 58	PTGER4	prostaglandin E receptor 4 (subtype EP4)	0.373466	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0009 58	PTGER4	prostaglandin E receptor 4 (subtype EP4)	0.921947	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0009 58	PTGER4	prostaglandin E receptor 4 (subtype EP4)	1.104209	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1987 97	PTGES	prostaglandin E synthase	-1.914966	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1987 97	PTGES	prostaglandin E synthase	-0.307459	Inlier
siRNA Disorazole DMSO Run3	NM_1987 97	PTGES	prostaglandin E synthase	-0.112551	Inlier
siRNA Disorazole DMSO Run1	NM_1987 97	PTGES	prostaglandin E synthase	-0.040322	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology					
siRNA-Temozolomide Run3-DMSO	NM_1987 97	PTGES	prostaglandin E synthase	0.040322	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1987 97	PTGES	prostaglandin E synthase	1.041541	Inlier
siRNA Disorazole DMSO Run2	NM_1987 97	PTGES	prostaglandin E synthase	1.347691	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1987 97	PTGES	prostaglandin E synthase	2.221412	Inlier
siRNA Disorazole DMSO Run2	NM_0009 59	PTGFR	prostaglandin F receptor (FP)	-1.640142	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0009 59	PTGFR	prostaglandin F receptor (FP)	-1.338853	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0009 59	PTGFR	prostaglandin F receptor (FP)	-0.602135	Inlier
siRNA Disorazole DMSO Run3	NM_0009 59	PTGFR	prostaglandin F receptor (FP)	-0.120783	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0009 59	PTGFR	prostaglandin F receptor (FP)	0.120783	Inlier
siRNA Disorazole DMSO Run1	NM_0009 59	PTGFR	prostaglandin F receptor (FP)	0.133694	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0009 59	PTGFR	prostaglandin F receptor (FP)	0.746865	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0009 59	PTGFR	prostaglandin F receptor (FP)	0.88879	Inlier
siRNA Disorazole DMSO Run2	NM_0009 60	PTGIR	prostaglandin I2 (prostacyclin) receptor (IP)	-2.44082	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_000960	PTGIR	prostaglandin I2 (prostacyclin) receptor (IP)	-1.039591	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000960	PTGIR	prostaglandin I2 (prostacyclin) receptor (IP)	-0.722687	Inlier
siRNA Disorazole DMSO Run1	NM_000960	PTGIR	prostaglandin I2 (prostacyclin) receptor (IP)	-0.02176	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000960	PTGIR	prostaglandin I2 (prostacyclin) receptor (IP)	0.02176	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000960	PTGIR	prostaglandin I2 (prostacyclin) receptor (IP)	0.494382	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000960	PTGIR	prostaglandin I2 (prostacyclin) receptor (IP)	0.626312	Inlier
siRNA Disorazole DMSO Run3	NM_000960	PTGIR	prostaglandin I2 (prostacyclin) receptor (IP)	2.917336	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000961	PTGIS	prostaglandin I2 (prostacyclin) synthase	-1.196733	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000961	PTGIS	prostaglandin I2 (prostacyclin) synthase	-0.989881	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_000961	PTGIS	prostaglandin I2 (prostacyclin) synthase	-0.179879	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000961	PTGIS	prostaglandin I2 (prostacyclin) synthase	-0.126451	Inlier
siRNA Disorazole DMSO Run3	NM_000961	PTGIS	prostaglandin I2 (prostacyclin) synthase	0.12645	Inlier
siRNA Disorazole DMSO Run1	NM_000961	PTGIS	prostaglandin I2 (prostacyclin) synthase	0.599542	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000961	PTGIS	prostaglandin I2 (prostacyclin) synthase	0.749458	Inlier
siRNA Disorazole DMSO Run2	NM_000961	PTGIS	prostaglandin I2 (prostacyclin) synthase	0.858395	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000962	PTGS1	prostaglandin-endoperoxide synthase 1 (prostaglandin G/H synthase and cyclooxygenase)	-0.700752	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0009 62	PTGS1	prostaglan din- endoperox ide synthase 1 (prostagla ndin G/H synthase and cyclooxyg enase)	-0.648248	Inlier
siRNA Disorazole DMSO Run3	NM_0009 62	PTGS1	prostaglan din- endoperox ide synthase 1 (prostagla ndin G/H synthase and cyclooxyg enase)	-0.527857	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0009 62	PTGS1	prostaglan din- endoperox ide synthase 1 (prostagla ndin G/H synthase and cyclooxyg enase)	-0.10595	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0009 62	PTGS1	prostaglan din- endoperox ide synthase 1 (prostagla ndin G/H synthase and cyclooxyg enase)	0.10595	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_000962	PTGS1	prostaglandin-endoperoxide synthase 1 (prostaglandin G/H synthase and cyclooxygenase)	0.703947	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000962	PTGS1	prostaglandin-endoperoxide synthase 1 (prostaglandin G/H synthase and cyclooxygenase)	0.915945	Inlier
siRNA Disorazole DMSO Run2	NM_000962	PTGS1	prostaglandin-endoperoxide synthase 1 (prostaglandin G/H synthase and cyclooxygenase)	3.33564	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000963	PTGS2	prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase)	-2.486564	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0009 63	PTGS2	prostaglan din- endoperox ide synthase 2 (prostagla ndin G/H synthase and cyclooxyg enase)	-0.864764	Inlier
siRNA Disorazole DMSO Run3	NM_0009 63	PTGS2	prostaglan din- endoperox ide synthase 2 (prostagla ndin G/H synthase and cyclooxyg enase)	-0.434281	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0009 63	PTGS2	prostaglan din- endoperox ide synthase 2 (prostagla ndin G/H synthase and cyclooxyg enase)	-0.145461	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0009 63	PTGS2	prostaglan din- endoperox ide synthase 2 (prostagla ndin G/H synthase and cyclooxyg enase)	0.145462	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_000963	PTGS2	prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase)	0.484236	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000963	PTGS2	prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase)	2.606359	Inlier
siRNA Disorazole DMSO Run2	NM_000963	PTGS2	prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase)	5.293544	Outlier
siRNA Disorazole DMSO Run2	NM_000316	PTHR1	parathyroid hormone receptor 1	-0.754748	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000316	PTHR1	parathyroid hormone receptor 1	-0.615212	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000316	PTHR1	parathyroid hormone receptor 1	-0.155834	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000316	PTHR1	parathyroid hormone receptor 1	-0.086221	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0003 16	PTHR1	parathyroid hormone receptor 1	0.086221	Inlier
siRNA Disorazole DMSO Run1	NM_0003 16	PTHR1	parathyroid hormone receptor 1	0.733788	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0003 16	PTHR1	parathyroid hormone receptor 1	1.244905	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0003 16	PTHR1	parathyroid hormone receptor 1	1.65374	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0050 48	PTHR2	parathyroid hormone receptor 2	-1.902617	Inlier
siRNA Disorazole DMSO Run2	NM_0050 48	PTHR2	parathyroid hormone receptor 2	-1.125344	Inlier
siRNA Disorazole DMSO Run3	NM_0050 48	PTHR2	parathyroid hormone receptor 2	-0.487951	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0050 48	PTHR2	parathyroid hormone receptor 2	-0.243252	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0050 48	PTHR2	parathyroid hormone receptor 2	0.243252	Inlier
siRNA Disorazole DMSO Run1	NM_0050 48	PTHR2	parathyroid hormone receptor 2	0.559981	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0050 48	PTHR2	parathyroid hormone receptor 2	0.789019	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0050 48	PTHR2	parathyroid hormone receptor 2	0.898603	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1538 31	PTK2	PTK2 protein tyrosine kinase 2	-1.840151	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_1538 31	PTK2	PTK2 protein tyrosine kinase 2	-1.023246	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1538 31	PTK2	PTK2 protein tyrosine kinase 2	-0.325754	Inlier
siRNA Disorazole DMSO Run1	NM_1538 31	PTK2	PTK2 protein tyrosine kinase 2	-0.128895	Inlier
siRNA Disorazole DMSO Run2	NM_1538 31	PTK2	PTK2 protein tyrosine kinase 2	0.128895	Inlier
siRNA Disorazole DMSO Run3	NM_1538 31	PTK2	PTK2 protein tyrosine kinase 2	0.182373	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1538 31	PTK2	PTK2 protein tyrosine kinase 2	1.718426	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1538 31	PTK2	PTK2B protein tyrosine kinase 2	1.882984	Inlier
siRNA Disorazole DMSO Run2	NM_1731 74	PTK2B	PTK2B protein tyrosine kinase 2 beta	-1.544047	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1731 74	PTK2B	PTK2B protein tyrosine kinase 2 beta	-0.785489	Inlier
siRNA Disorazole DMSO Run3	NM_1731 74	PTK2B	PTK2B protein tyrosine kinase 2 beta	-0.672636	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1731 74	PTK2B	PTK2B protein tyrosine kinase 2 beta	-0.182367	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Value	Outlier Status
siRNA-Temozolomide Run1-DMSO	NM_173174	PTK2B	PTK2B protein tyrosine kinase 2 beta	0.182367	Inlier
siRNA-Vinblastine Run1-DMSO	NM_173174	PTK2B	PTK2B protein tyrosine kinase 2 beta	0.226477	Inlier
siRNA Disorazole DMSO Run1	NM_173174	PTK2B	PTK2B protein tyrosine kinase 2 beta	0.676364	Inlier
siRNA-Vinblastine Run2-DMSO	NM_173174	PTK2B	PTK6 protein tyrosine kinase 2 beta	1.0268	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005975	PTK6	PTK6 protein tyrosine kinase 6	-1.003808	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005975	PTK6	PTK6 protein tyrosine kinase 6	-0.85274	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005975	PTK6	PTK6 protein tyrosine kinase 6	-0.82008	Inlier
siRNA Disorazole DMSO Run2	NM_005975	PTK6	PTK6 protein tyrosine kinase 6	-0.100709	Inlier
siRNA Disorazole DMSO Run3	NM_005975	PTK6	PTK6 protein tyrosine kinase 6	0.100709	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005975	PTK6	PTK6 protein tyrosine kinase 6	0.434467	Inlier
siRNA Disorazole DMSO Run1	NM_005975	PTK6	PTK6 protein tyrosine kinase 6	0.564187	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005975	PTK6	PTK6 protein tyrosine kinase 6	0.784813	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Value	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_1528 83	PTK7	PTK7 protein tyrosine kinase 7	-0.993918	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1528 83	PTK7	PTK7 protein tyrosine kinase 7	-0.67667	Inlier
siRNA Disorazole DMSO Run3	NM_1528 83	PTK7	PTK7 protein tyrosine kinase 7	-0.145077	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1528 83	PTK7	PTK7 protein tyrosine kinase 7	-0.127888	Inlier
siRNA Disorazole DMSO Run1	NM_1528 83	PTK7	PTK7 protein tyrosine kinase 7	0.127888	Inlier
siRNA Disorazole DMSO Run2	NM_1528 83	PTK7	PTK7 protein tyrosine kinase 7	0.67233	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1528 83	PTK7	PTK7 protein tyrosine kinase 7	1.592352	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1528 83	PTK7	PTK7 protein tyrosine kinase 7	2.077959	Inlier
siRNA Disorazole DMSO Run2	NM_1989 74	PTK9	PTK9 protein tyrosine kinase 9	-1.36716	Inlier
siRNA Disorazole DMSO Run3	NM_1989 74	PTK9	PTK9 protein tyrosine kinase 9	-1.051249	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1989 74	PTK9	PTK9 protein tyrosine kinase 9	-0.626309	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1989 74	PTK9	PTK9 protein tyrosine kinase 9	-0.119221	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1989 74	PTK9	PTK9 protein tyrosine kinase 9	0.119221	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Protein	Value	Category
siRNA Disorazole DMSO Run1	PTK9	NM_198974	PTK9 protein tyrosine kinase 9	0.37904	Inlier
siRNA-Vinblastine Run2-DMSO	PTK9	NM_198974	PTK9 protein tyrosine kinase 9	0.722691	Inlier
siRNA-Vinblastine Run1-DMSO	PTK9	NM_198974	PTK9 protein tyrosine kinase 9	0.900955	Inlier
siRNA Disorazole DMSO Run2	PTK9L	NM_007284	PTK9L protein tyrosine kinase 9-like (A6-related protein)	-0.698521	Inlier
siRNA Disorazole DMSO Run3	PTK9L	NM_007284	PTK9L protein tyrosine kinase 9-like (A6-related protein)	-0.668754	Inlier
siRNA-Temozolomide Run3-DMSO	PTK9L	NM_007284	PTK9L protein tyrosine kinase 9-like (A6-related protein)	-0.176862	Inlier
siRNA-Temozolomide Run2-DMSO	PTK9L	NM_007284	PTK9L protein tyrosine kinase 9-like (A6-related protein)	-0.07389	Inlier
siRNA Disorazole DMSO Run1	PTK9L	NM_007284	PTK9L protein tyrosine kinase 9-like (A6-related protein)	0.073889	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log Fold Change	Outlier Status
siRNA-Vinblastine Run1-DMSO	NM_007284	PTK9L	PTK9L protein tyrosine kinase 9-like (A6-related protein)	0.680246	Inlier
siRNA-Vinblastine Run2-DMSO	NM_007284	PTK9L	PTK9L protein tyrosine kinase 9-like (A6-related protein)	0.689239	Inlier
siRNA-Temozolomide Run1-DMSO	NM_007284	PTK9L	PTK9L protein tyrosine kinase 9-like (A6-related protein)	0.790133	Inlier
siRNA-Temozolomide Run3-DMSO	NM_017432	PTOV1	prostate tumor overexpressed gene 1	-2.550501	Inlier
siRNA-Temozolomide Run2-DMSO	NM_017432	PTOV1	prostate tumor overexpressed gene 1	-1.741269	Inlier
siRNA-Temozolomide Run1-DMSO	NM_017432	PTOV1	prostate tumor overexpressed gene 1	-0.822667	Inlier
siRNA-Vinblastine Run2-DMSO	NM_017432	PTOV1	prostate tumor overexpressed gene 1	-0.204171	Inlier
siRNA Disorazole DMSO Run2	NM_017432	PTOV1	prostate tumor overexpressed gene 1	0.20417	Inlier
siRNA Disorazole DMSO Run3	NM_017432	PTOV1	prostate tumor overexpressed gene 1	0.296683	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0174 32	PTOV1	prostate tumor overexpre ssed gene 1	0.543815	Inlier
siRNA Disorazole DMSO Run1	NM_0174 32	PTOV1	prostate tumor overexpre ssed gene 1	0.805185	Inlier
siRNA Disorazole DMSO Run2	NM_0034 63	PTP4A1	protein tyrosine phosphata se type IVA, member 1	-1.173455	Inlier
siRNA Disorazole DMSO Run3	NM_0034 63	PTP4A1	protein tyrosine phosphata se type IVA, member 1	-1.091828	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0034 63	PTP4A1	protein tyrosine phosphata se type IVA, member 1	-0.843899	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0034 63	PTP4A1	protein tyrosine phosphata se type IVA, member 1	-0.074077	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0034 63	PTP4A1	protein tyrosine phosphata se type IVA, member 1	0.074077	Inlier
siRNA Disorazole DMSO Run1	NM_0034 63	PTP4A1	protein tyrosine phosphata se type IVA, member 1	0.488624	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0034 63	PTP4A1	protein tyrosine phosphata se type IVA, member 1	0.505101	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Description	Log2 Fold Change	Outlier Status
siRNA-Vinblastine Run2-DMSO	NM_003463	PTP4A1	protein tyrosine phosphatase type IVA, member 1	0.963989	Inlier
siRNA-Temozolomide Run3-DMSO	NM_080391	PTP4A2	protein tyrosine phosphatase type IVA, member 2	-2.775909	Inlier
siRNA-Temozolomide Run2-DMSO	NM_080391	PTP4A2	protein tyrosine phosphatase type IVA, member 2	-0.943762	Inlier
siRNA-Temozolomide Run1-DMSO	NM_080391	PTP4A2	protein tyrosine phosphatase type IVA, member 2	-0.826068	Inlier
siRNA Disorazole DMSO Run1	NM_080391	PTP4A2	protein tyrosine phosphatase type IVA, member 2	-0.144283	Inlier
siRNA Disorazole DMSO Run2	NM_080391	PTP4A2	protein tyrosine phosphatase type IVA, member 2	0.144284	Inlier
siRNA-Vinblastine Run2-DMSO	NM_080391	PTP4A2	protein tyrosine phosphatase type IVA, member 2	0.386699	Inlier
siRNA Disorazole DMSO Run3	NM_080391	PTP4A2	protein tyrosine phosphatase type IVA, member 2	0.522932	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log2 Fold Change	Outlier Status
siRNA-Vinblastine Run1-DMSO	NM_080391	PTP4A2	protein tyrosine phosphatase type IVA, member 2	1.187879	Inlier
siRNA-Temozolomide Run3-DMSO	NM_032611	PTP4A3	protein tyrosine phosphatase type IVA, member 3	-3.363936	Inlier
siRNA-Temozolomide Run1-DMSO	NM_032611	PTP4A3	protein tyrosine phosphatase type IVA, member 3	-0.975689	Inlier
siRNA-Temozolomide Run2-DMSO	NM_032611	PTP4A3	protein tyrosine phosphatase type IVA, member 3	-0.373311	Inlier
siRNA Disorazole DMSO Run3	NM_032611	PTP4A3	protein tyrosine phosphatase type IVA, member 3	-0.299804	Inlier
siRNA Disorazole DMSO Run2	NM_032611	PTP4A3	protein tyrosine phosphatase type IVA, member 3	0.299804	Inlier
siRNA Disorazole DMSO Run1	NM_032611	PTP4A3	protein tyrosine phosphatase type IVA, member 3	0.331638	Inlier
siRNA-Vinblastine Run2-DMSO	NM_032611	PTP4A3	protein tyrosine phosphatase type IVA, member 3	0.992041	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0326 11	PTP4A3	protein tyrosine phosphatase type IVA, member 3	1.984928	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1779 95	PTPDC1	protein tyrosine phosphatase domain containing 1	-1.606726	Inlier
siRNA Disorazole DMSO Run2	NM_1779 95	PTPDC1	protein tyrosine phosphatase domain containing 1	-0.716999	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1779 95	PTPDC1	protein tyrosine phosphatase domain containing 1	-0.632001	Inlier
siRNA Disorazole DMSO Run3	NM_1779 95	PTPDC1	protein tyrosine phosphatase domain containing 1	-0.449119	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1779 95	PTPDC1	protein tyrosine phosphatase domain containing 1	0.44912	Inlier
siRNA Disorazole DMSO Run1	NM_1779 95	PTPDC1	protein tyrosine phosphatase domain containing 1	0.477146	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_1779 95	PTPDC1	protein tyrosine phosphatase domain containing 1	1.162885	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1779 95	PTPDC1	protein tyrosine phosphatase domain containing 1	1.381503	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0142 41	PTPLA	protein tyrosine phosphatase-like (proline instead of catalytic arginine), member a	-0.863	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0142 41	PTPLA	protein tyrosine phosphatase-like (proline instead of catalytic arginine), member a	-0.486	Inlier
siRNA Disorazole DMSO Run3	NM_0142 41	PTPLA	protein tyrosine phosphatase-like (proline instead of catalytic arginine), member a	-0.382946	Inlier
siRNA Disorazole DMSO Run2	NM_0142 41	PTPLA	protein tyrosine phosphatase-like (proline instead of catalytic arginine), member a	-0.335754	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0142 41	PTPLA	protein tyrosine phosphatase-like (proline instead of catalytic arginine), member a	0.335754	Inlier
siRNA Disorazole DMSO Run1	NM_0142 41	PTPLA	protein tyrosine phosphatase-like (proline instead of catalytic arginine), member a	1.053608	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0142 41	PTPLA	protein tyrosine phosphatase-like (proline instead of catalytic arginine), member a	1.400447	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0142 41	PTPLA	protein tyrosine phosphatase-like (proline instead of catalytic arginine), member a	1.890612	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1984 02	PTPLB	protein tyrosine phosphatase-like (proline instead of catalytic arginine), member b	-1.488153	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_1984 02	PTPLB	protein tyrosine phosphatase-like (proline instead of catalytic arginine), member b	-1.394968	Inlier
siRNA Disorazole DMSO Run3	NM_1984 02	PTPLB	protein tyrosine phosphatase-like (proline instead of catalytic arginine), member b	-1.094185	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1984 02	PTPLB	protein tyrosine phosphatase-like (proline instead of catalytic arginine), member b	-0.230757	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1984 02	PTPLB	protein tyrosine phosphatase-like (proline instead of catalytic arginine), member b	0.230757	Inlier
siRNA Disorazole DMSO Run1	NM_1984 02	PTPLB	protein tyrosine phosphatase-like (proline instead of catalytic arginine), member b	0.384841	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Description	Score	Outlier Status
siRNA-Vinblastine Run2-DMSO	NM_198402	PTPLB	protein tyrosine phosphatase-like (proline instead of catalytic arginine), member b	0.663333	Inlier
siRNA-Vinblastine Run1-DMSO	NM_198402	PTPLB	protein tyrosine phosphatase-like (proline instead of catalytic arginine), member b	0.685667	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002827	PTPN1	protein tyrosine phosphatase, non-receptor type 1	-1.997373	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002827	PTPN1	protein tyrosine phosphatase, non-receptor type 1	-1.091463	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002827	PTPN1	protein tyrosine phosphatase, non-receptor type 1	-0.674763	Inlier
siRNA Disorazole DMSO Run3	NM_002827	PTPN1	protein tyrosine phosphatase, non-receptor type 1	-0.264574	Inlier
siRNA Disorazole DMSO Run1	NM_002827	PTPN1	protein tyrosine phosphatase, non-receptor type 1	0.264574	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Score	Outlier Type
siRNA Disorazole DMSO Run2	NM_002827	PTPN1	protein tyrosine phosphatase, non-receptor type 1	0.523565	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002827	PTPN1	protein tyrosine phosphatase, non-receptor type 1	0.674237	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002827	PTPN1	protein tyrosine phosphatase, non-receptor type 1	0.73581	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002834	PTPN11	protein tyrosine phosphatase, non-receptor type 11 (Noonan syndrome 1)	-1.275725	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002834	PTPN11	protein tyrosine phosphatase, non-receptor type 11 (Noonan syndrome 1)	-0.965321	Inlier
siRNA Disorazole DMSO Run2	NM_002834	PTPN11	protein tyrosine phosphatase, non-receptor type 11 (Noonan syndrome 1)	-0.392311	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0028 34	PTPN11	protein tyrosine phosphatase, non-receptor type 11 (Noonan syndrome 1)	-0.272696	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0028 34	PTPN11	protein tyrosine phosphatase, non-receptor type 11 (Noonan syndrome 1)	0.272695	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0028 34	PTPN11	protein tyrosine phosphatase, non-receptor type 11 (Noonan syndrome 1)	0.619031	Inlier
siRNA Disorazole DMSO Run1	NM_0028 34	PTPN11	protein tyrosine phosphatase, non-receptor type 11 (Noonan syndrome 1)	0.729969	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0028 34	PTPN11	protein tyrosine phosphatase, non-receptor type 11 (Noonan syndrome 1)	1.812218	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0028 35	PTPN12	protein tyrosine phosphatase, non-receptor type 12	-0.856486	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Description	Log Fold Change	Outlier Status
siRNA-Temozolomide Run1-DMSO	NM_002835	PTPN12	protein tyrosine phosphatase, non-receptor type 12	-0.842115	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002835	PTPN12	protein tyrosine phosphatase, non-receptor type 12	-0.504441	Inlier
siRNA Disorazole DMSO Run2	NM_002835	PTPN12	protein tyrosine phosphatase, non-receptor type 12	-0.399829	Inlier
siRNA Disorazole DMSO Run1	NM_002835	PTPN12	protein tyrosine phosphatase, non-receptor type 12	0.399829	Inlier
siRNA Disorazole DMSO Run3	NM_002835	PTPN12	protein tyrosine phosphatase, non-receptor type 12	0.506885	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002835	PTPN12	protein tyrosine phosphatase, non-receptor type 12	0.904134	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002835	PTPN12	protein tyrosine phosphatase, non-receptor type 12	1.19437	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0806 83	PTPN13	protein tyrosine phosphatase, non-receptor type 13 (APO-1/CD95 (Fas)-associated phosphatase)	-0.929923	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0806 83	PTPN13	protein tyrosine phosphatase, non-receptor type 13 (APO-1/CD95 (Fas)-associated phosphatase)	-0.862837	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0806 83	PTPN13	protein tyrosine phosphatase, non-receptor type 13 (APO-1/CD95 (Fas)-associated phosphatase)	-0.560467	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0806 83	PTPN13	protein tyrosine phosphatase, non-receptor type 13 (APO-1/CD95 (Fas)-associated phosphatase)	-0.247549	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_080683	PTPN13	protein tyrosine phosphatase, non-receptor type 13 (APO-1/CD95 (Fas)-associated phosphatase)	0.247549	Inlier
siRNA-Vinblastine Run2-DMSO	NM_080683	PTPN13	protein tyrosine phosphatase, non-receptor type 13 (APO-1/CD95 (Fas)-associated phosphatase)	0.396682	Inlier
siRNA Disorazole DMSO Run2	NM_080683	PTPN13	protein tyrosine phosphatase, non-receptor type 13 (APO-1/CD95 (Fas)-associated phosphatase)	0.788533	Inlier
siRNA Disorazole DMSO Run3	NM_080683	PTPN13	protein tyrosine phosphatase, non-receptor type 13 (APO-1/CD95 (Fas)-associated phosphatase)	1.401588	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Description	Log Fold Change	Outlier Status
siRNA Disorazole DMSO Run2	NM_005401	PTPN14	protein tyrosine phosphatase, non-receptor type 14	-1.155363	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005401	PTPN14	protein tyrosine phosphatase, non-receptor type 14	-0.841845	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005401	PTPN14	protein tyrosine phosphatase, non-receptor type 14	-0.572404	Inlier
siRNA Disorazole DMSO Run1	NM_005401	PTPN14	protein tyrosine phosphatase, non-receptor type 14	-0.06733	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005401	PTPN14	protein tyrosine phosphatase, non-receptor type 14	0.06733	Inlier
siRNA Disorazole DMSO Run3	NM_005401	PTPN14	protein tyrosine phosphatase, non-receptor type 14	0.398737	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005401	PTPN14	protein tyrosine phosphatase, non-receptor type 14	0.776596	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005401	PTPN14	protein tyrosine phosphatase, non-receptor type 14	1.048998	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Description	Log Fold Change	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_014369	PTPN18	protein tyrosine phosphatase, non-receptor type 18 (brain-derived)	-0.683267	Inlier
siRNA-Temozolomide Run3-DMSO	NM_014369	PTPN18	protein tyrosine phosphatase, non-receptor type 18 (brain-derived)	-0.665733	Inlier
siRNA Disorazole DMSO Run2	NM_014369	PTPN18	protein tyrosine phosphatase, non-receptor type 18 (brain-derived)	-0.420862	Inlier
siRNA Disorazole DMSO Run3	NM_014369	PTPN18	protein tyrosine phosphatase, non-receptor type 18 (brain-derived)	-0.22486	Inlier
siRNA Disorazole DMSO Run1	NM_014369	PTPN18	protein tyrosine phosphatase, non-receptor type 18 (brain-derived)	0.22486	Inlier
siRNA-Vinblastine Run1-DMSO	NM_014369	PTPN18	protein tyrosine phosphatase, non-receptor type 18 (brain-derived)	0.833264	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Name	Protein Name	Log2 Fold Change	Category
siRNA-Temozolomide Run1-DMSO	NM_014369	PTPN18	protein tyrosine phosphatase, non-receptor type 18 (brain-derived)	0.976762	Inlier	
siRNA-Vinblastine Run2-DMSO	NM_014369	PTPN18	protein tyrosine phosphatase, non-receptor type 18 (brain-derived)	1.213776	Inlier	
siRNA-Temozolomide Run2-DMSO	NM_080423	PTPN2	protein tyrosine phosphatase, non-receptor type 2	-1.569319	Inlier	
siRNA-Temozolomide Run3-DMSO	NM_080423	PTPN2	protein tyrosine phosphatase, non-receptor type 2	-1.279047	Inlier	
siRNA Disorazole DMSO Run2	NM_080423	PTPN2	protein tyrosine phosphatase, non-receptor type 2	-0.60441	Inlier	
siRNA Disorazole DMSO Run1	NM_080423	PTPN2	protein tyrosine phosphatase, non-receptor type 2	-0.543066	Inlier	
siRNA-Vinblastine Run2-DMSO	NM_080423	PTPN2	protein tyrosine phosphatase, non-receptor type 2	0.543066	Inlier	
siRNA-Vinblastine Run1-DMSO	NM_080423	PTPN2	protein tyrosine phosphatase, non-receptor type 2	0.589415	Inlier	

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Value	Category
siRNA-Temozolomide Run1-DMSO	NM_080423	PTPN2	protein tyrosine phosphatase, non-receptor type 2	0.74459	Inlier
siRNA Disorazole DMSO Run3	NM_080423	PTPN2	protein tyrosine phosphatase, non-receptor type 2	9.44589	Outlier
siRNA-Temozolomide Run2-DMSO	NM_007039	PTPN21	protein tyrosine phosphatase, non-receptor type 21	-1.022012	Inlier
siRNA-Temozolomide Run3-DMSO	NM_007039	PTPN21	protein tyrosine phosphatase, non-receptor type 21	-0.652313	Inlier
siRNA-Temozolomide Run1-DMSO	NM_007039	PTPN21	protein tyrosine phosphatase, non-receptor type 21	-0.54178	Inlier
siRNA Disorazole DMSO Run2	NM_007039	PTPN21	protein tyrosine phosphatase, non-receptor type 21	-0.208411	Inlier
siRNA-Vinblastine Run2-DMSO	NM_007039	PTPN21	protein tyrosine phosphatase, non-receptor type 21	0.208411	Inlier
siRNA Disorazole DMSO Run1	NM_007039	PTPN21	protein tyrosine phosphatase, non-receptor type 21	0.696687	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Value	Outlier Status
siRNA-Vinblastine Run1-DMSO	NM_007039	PTPN21	protein tyrosine phosphatase, non-receptor type 21	1.604625	Inlier
siRNA Disorazole DMSO Run3	NM_007039	PTPN21	protein tyrosine phosphatase, non-receptor type 21	3.117972	Inlier
siRNA-Temozolomide Run3-DMSO	NM_015967	PTPN22	protein tyrosine phosphatase, non-receptor type 22 (lymphoid)	-1.372788	Inlier
siRNA-Temozolomide Run2-DMSO	NM_015967	PTPN22	protein tyrosine phosphatase, non-receptor type 22 (lymphoid)	-1.003525	Inlier
siRNA Disorazole DMSO Run2	NM_015967	PTPN22	protein tyrosine phosphatase, non-receptor type 22 (lymphoid)	-0.345474	Inlier
siRNA-Temozolomide Run1-DMSO	NM_015967	PTPN22	protein tyrosine phosphatase, non-receptor type 22 (lymphoid)	-0.128753	Inlier
siRNA-Vinblastine Run1-DMSO	NM_015967	PTPN22	protein tyrosine phosphatase, non-receptor type 22 (lymphoid)	0.128753	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0159 67	PTPN22	protein tyrosine phosphatase, non-receptor type 22 (lymphoid)	0.192781	Inlier
siRNA Disorazole DMSO Run3	NM_0159 67	PTPN22	protein tyrosine phosphatase, non-receptor type 22 (lymphoid)	1.09155	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0159 67	PTPN22	protein tyrosine phosphatase, non-receptor type 22 (lymphoid)	1.263929	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0154 66	PTPN23	protein tyrosine phosphatase, non-receptor type 23	-1.840978	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0154 66	PTPN23	protein tyrosine phosphatase, non-receptor type 23	-1.257022	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0154 66	PTPN23	protein tyrosine phosphatase, non-receptor type 23	-0.832986	Inlier
siRNA Disorazole DMSO Run1	NM_0154 66	PTPN23	protein tyrosine phosphatase, non-receptor type 23	-0.218414	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Value	Outlier Status
siRNA-Vinblastine Run2-DMSO	NM_015466	PTPN23	protein tyrosine phosphatase, non-receptor type 23	0.218414	Inlier
siRNA Disorazole DMSO Run3	NM_015466	PTPN23	protein tyrosine phosphatase, non-receptor type 23	0.314212	Inlier
siRNA-Vinblastine Run1-DMSO	NM_015466	PTPN23	protein tyrosine phosphatase, non-receptor type 23	0.516014	Inlier
siRNA Disorazole DMSO Run2	NM_015466	PTPN23	protein tyrosine phosphatase, non-receptor type 23	0.839128	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002829	PTPN3	protein tyrosine phosphatase, non-receptor type 3	-1.12594	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002829	PTPN3	protein tyrosine phosphatase, non-receptor type 3	-0.821228	Inlier
siRNA Disorazole DMSO Run1	NM_002829	PTPN3	protein tyrosine phosphatase, non-receptor type 3	-0.521964	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002829	PTPN3	protein tyrosine phosphatase, non-receptor type 3	-0.3159	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Symbol	Gene Description	Value	Category
siRNA Disorazole DMSO Run3	PTPN3	NM_002829	PTPN3	protein tyrosine phosphatase, non-receptor type 3	0.3159	Inlier
siRNA-Vinblastine Run1-DMSO	PTPN3	NM_002829	PTPN3	protein tyrosine phosphatase, non-receptor type 3	0.527772	Inlier
siRNA-Vinblastine Run2-DMSO	PTPN3	NM_002829	PTPN3	protein tyrosine phosphatase, non-receptor type 3	0.996598	Inlier
siRNA Disorazole DMSO Run2	PTPN3	NM_002829	PTPN3	protein tyrosine phosphatase, non-receptor type 3	1.163179	Inlier
siRNA-Temozolomide Run3-DMSO	PTPN4	NM_002830	PTPN4	protein tyrosine phosphatase, non-receptor type 4 (megakaryocyte)	-1.938633	Inlier
siRNA-Temozolomide Run1-DMSO	PTPN4	NM_002830	PTPN4	protein tyrosine phosphatase, non-receptor type 4 (megakaryocyte)	-1.014201	Inlier
siRNA-Temozolomide Run2-DMSO	PTPN4	NM_002830	PTPN4	protein tyrosine phosphatase, non-receptor type 4 (megakaryocyte)	-0.802852	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Drug	Run	Gene	Accession	Protein	Score	Inlier
siRNA Disorazole	DMSO	Run3	PTPN4	NM_002830	protein tyrosine phosphatase, non-receptor type 4 (megakaryocyte)	-0.028947	Inlier
siRNA-Vinblastine	DMSO	Run1	PTPN4	NM_002830	protein tyrosine phosphatase, non-receptor type 4 (megakaryocyte)	0.028947	Inlier
siRNA Disorazole	DMSO	Run1	PTPN4	NM_002830	protein tyrosine phosphatase, non-receptor type 4 (megakaryocyte)	0.182226	Inlier
siRNA-Vinblastine	DMSO	Run2	PTPN4	NM_002830	protein tyrosine phosphatase, non-receptor type 4 (megakaryocyte)	0.655378	Inlier
siRNA Disorazole	DMSO	Run2	PTPN4	NM_002830	protein tyrosine phosphatase, non-receptor type 4 (megakaryocyte)	0.693622	Inlier
siRNA-Temozolomide	DMSO	Run3	PTPN5	NM_032781	protein tyrosine phosphatase, non-receptor type 5 (striatum-enriched)	-3.289373	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Run	Gene ID	Gene Name	Log Fold Change	Outlier Status
siRNA-Temozolomide DMSO	Run2	NM_032781	PTPN5	-2.208302	Inlier
siRNA Disorazole DMSO	Run2	NM_032781	PTPN5	-0.516561	Inlier
siRNA Disorazole DMSO	Run3	NM_032781	PTPN5	-0.199907	Inlier
siRNA-Temozolomide DMSO	Run1	NM_032781	PTPN5	0.199908	Inlier
siRNA Disorazole DMSO	Run1	NM_032781	PTPN5	0.343418	Inlier
siRNA-Vinblastine DMSO	Run1	NM_032781	PTPN5	0.832439	Inlier

protein tyrosine phosphatase, non-receptor type 5 (striatum-enriched)

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Description	Log2 Fold Change	Outlier Status
siRNA-Vinblastine Run2-DMSO	NM_032781	PTPN5	protein tyrosine phosphatase, non-receptor type 5 (striatum-enriched)	1.445855	Inlier
siRNA-Temozolomide Run3-DMSO	NM_080548	PTPN6	protein tyrosine phosphatase, non-receptor type 6	-1.391483	Inlier
siRNA-Temozolomide Run2-DMSO	NM_080548	PTPN6	protein tyrosine phosphatase, non-receptor type 6	-0.485653	Inlier
siRNA-Temozolomide Run1-DMSO	NM_080548	PTPN6	protein tyrosine phosphatase, non-receptor type 6	-0.241182	Inlier
siRNA Disorazole DMSO Run2	NM_080548	PTPN6	protein tyrosine phosphatase, non-receptor type 6	-0.155134	Inlier
siRNA Disorazole DMSO Run1	NM_080548	PTPN6	protein tyrosine phosphatase, non-receptor type 6	0.155134	Inlier
siRNA Disorazole DMSO Run3	NM_080548	PTPN6	protein tyrosine phosphatase, non-receptor type 6	0.863347	Inlier
siRNA-Vinblastine Run1-DMSO	NM_080548	PTPN6	protein tyrosine phosphatase, non-receptor type 6	0.914033	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log Fold Change	Classification
siRNA-Vinblastine Run2-DMSO	NM_080548	PTPN6	protein tyrosine phosphatase, non-receptor type 6	1.030799	Inlier
siRNA-Temozolomide Run3-DMSO	NM_080589	PTPN7	protein tyrosine phosphatase, non-receptor type 7	-6.398386	Outlier
siRNA-Temozolomide Run2-DMSO	NM_080589	PTPN7	protein tyrosine phosphatase, non-receptor type 7	-0.90351	Inlier
siRNA Disorazole DMSO Run3	NM_080589	PTPN7	protein tyrosine phosphatase, non-receptor type 7	-0.44549	Inlier
siRNA Disorazole DMSO Run2	NM_080589	PTPN7	protein tyrosine phosphatase, non-receptor type 7	-0.111168	Inlier
siRNA-Temozolomide Run1-DMSO	NM_080589	PTPN7	protein tyrosine phosphatase, non-receptor type 7	0.111168	Inlier
siRNA Disorazole DMSO Run1	NM_080589	PTPN7	protein tyrosine phosphatase, non-receptor type 7	0.255558	Inlier
siRNA-Vinblastine Run1-DMSO	NM_080589	PTPN7	protein tyrosine phosphatase, non-receptor type 7	2.63484	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Value	Category
siRNA-Vinblastine Run2-DMSO	NM_080589	PTPN7	protein tyrosine phosphatase, non-receptor type 7	3.135373	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002833	PTPN9	protein tyrosine phosphatase, non-receptor type 9	-1.53598	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002833	PTPN9	protein tyrosine phosphatase, non-receptor type 9	-0.877127	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002833	PTPN9	protein tyrosine phosphatase, non-receptor type 9	-0.669153	Inlier
siRNA Disorazole DMSO Run2	NM_002833	PTPN9	protein tyrosine phosphatase, non-receptor type 9	-0.077792	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002833	PTPN9	protein tyrosine phosphatase, non-receptor type 9	0.077793	Inlier
siRNA Disorazole DMSO Run1	NM_002833	PTPN9	protein tyrosine phosphatase, non-receptor type 9	0.557748	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002833	PTPN9	protein tyrosine phosphatase, non-receptor type 9	0.679847	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Description	Log2 Fold Change	Outlier Status
siRNA Disorazole DMSO Run3	NM_002833	PTPN9	protein tyrosine phosphatase, non-receptor type 9	1.002191	Inlier
siRNA-Temozolomide Run3-DMSO	NM_080792	PTPNS1	protein tyrosine phosphatase, non-receptor type substrate 1	-1.006269	Inlier
siRNA-Temozolomide Run1-DMSO	NM_080792	PTPNS1	protein tyrosine phosphatase, non-receptor type substrate 1	-0.829042	Inlier
siRNA Disorazole DMSO Run1	NM_080792	PTPNS1	protein tyrosine phosphatase, non-receptor type substrate 1	-0.519958	Inlier
siRNA-Vinblastine Run2-DMSO	NM_080792	PTPNS1	protein tyrosine phosphatase, non-receptor type substrate 1	-0.276872	Inlier
siRNA-Temozolomide Run2-DMSO	NM_080792	PTPNS1	protein tyrosine phosphatase, non-receptor type substrate 1	0.276872	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Description	Value	Outlier Status
siRNA-Vinblastine Run1-DMSO	NM_080792	PTPNS1	protein tyrosine phosphatase, non-receptor type substrate 1	0.406649	Inlier
siRNA Disorazole DMSO Run2	NM_080792	PTPNS1	protein tyrosine phosphatase, non-receptor type substrate 1	1.075213	Inlier
siRNA Disorazole DMSO Run3	NM_080792	PTPNS1	protein tyrosine phosphatase, non-receptor type substrate 1	1.61911	Inlier
siRNA-Temozolomide Run3-DMSO	NM_178460	PTPNS1L2	protein tyrosine phosphatase, non-receptor type substrate 1-like 2	-1.575388	Inlier
siRNA-Temozolomide Run2-DMSO	NM_178460	PTPNS1L2	protein tyrosine phosphatase, non-receptor type substrate 1-like 2	-0.851124	Inlier
siRNA Disorazole DMSO Run2	NM_178460	PTPNS1L2	protein tyrosine phosphatase, non-receptor type substrate 1-like 2	-0.713938	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Gene	Protein Description	Log2 Fold Change	Outlier Status
siRNA-Temozolomide Run1-DMSO	NM_1784	60	PTPNS1L	protein tyrosine phosphatase, non-receptor type substrate 1-like 2	-0.068682	Inlier
siRNA Disorazole DMSO Run1	NM_1784	60	PTPNS1L	protein tyrosine phosphatase, non-receptor type substrate 1-like 2	0.068682	Inlier
siRNA Disorazole DMSO Run3	NM_1784	60	PTPNS1L	protein tyrosine phosphatase, non-receptor type substrate 1-like 2	0.163735	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1784	60	PTPNS1L	protein tyrosine phosphatase, non-receptor type substrate 1-like 2	0.635062	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1784	60	PTPNS1L	protein tyrosine phosphatase, non-receptor type substrate 1-like 2	1.926523	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0028	36	PTPRA	protein tyrosine phosphatase, receptor type, A	-1.345683	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0028	36	PTPRA	protein tyrosine phosphatase, receptor type, A	-1.236098	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Symbol	Gene Description	Log Fold Change	Outlier Status
siRNA-Vinblastine Run1-DMSO	NM_002836	PTPRA	protein tyrosine phosphatase, receptor type, A	-0.112902	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002836	PTPRA	protein tyrosine phosphatase, receptor type, A	-0.022864	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002836	PTPRA	protein tyrosine phosphatase, receptor type, A	0.022865	Inlier
siRNA Disorazole DMSO Run1	NM_002836	PTPRA	protein tyrosine phosphatase, receptor type, A	0.106284	Inlier
siRNA Disorazole DMSO Run2	NM_002836	PTPRA	protein tyrosine phosphatase, receptor type, A	2.49446	Inlier
siRNA Disorazole DMSO Run3	NM_002836	PTPRA	protein tyrosine phosphatase, receptor type, A	3.124938	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002837	PTPRB	protein tyrosine phosphatase, receptor type, B	-0.769735	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002837	PTPRB	protein tyrosine phosphatase, receptor type, B	-0.688209	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Description	Log Fold Change	Outlier Status
siRNA-Temozolomide Run1-DMSO	NM_002837	PTPRB	protein tyrosine phosphatase, receptor type, B	-0.660791	Inlier
siRNA Disorazole DMSO Run2	NM_002837	PTPRB	protein tyrosine phosphatase, receptor type, B	-0.092689	Inlier
siRNA Disorazole DMSO Run1	NM_002837	PTPRB	protein tyrosine phosphatase, receptor type, B	0.092689	Inlier
siRNA Disorazole DMSO Run3	NM_002837	PTPRB	protein tyrosine phosphatase, receptor type, B	0.146484	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002837	PTPRB	protein tyrosine phosphatase, receptor type, B	1.119533	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002837	PTPRB	protein tyrosine phosphatase, receptor type, B	1.389994	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002838	PTPRC	protein tyrosine phosphatase, receptor type, C	-2.480124	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002838	PTPRC	protein tyrosine phosphatase, receptor type, C	-1.798519	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Description	Log Fold Change	Outlier Status
siRNA Disorazole DMSO Run2	NM_002838	PTPRC	protein tyrosine phosphatase, receptor type, C	-0.505204	Inlier
siRNA-Temozolomide DMSO Run1	NM_002838	PTPRC	protein tyrosine phosphatase, receptor type, C	-0.332561	Inlier
siRNA Disorazole DMSO Run3	NM_002838	PTPRC	protein tyrosine phosphatase, receptor type, C	0.332561	Inlier
siRNA Disorazole DMSO Run1	NM_002838	PTPRC	protein tyrosine phosphatase, receptor type, C	0.612354	Inlier
siRNA-Vinblastine DMSO Run1	NM_002838	PTPRC	protein tyrosine phosphatase, receptor type, C	0.736646	Inlier
siRNA-Vinblastine DMSO Run2	NM_002838	PTPRC	protein tyrosine phosphatase, receptor type, C	1.378668	Inlier
siRNA-Temozolomide DMSO Run3	NM_005608	PTPRCAP	protein tyrosine phosphatase, receptor type, C-associated	-1.384315	Inlier
siRNA-Temozolomide DMSO Run2	NM_005608	PTPRCAP	protein tyrosine phosphatase, receptor type, C-associated	-1.154127	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Description	Value	Category
siRNA-Temozolomide Run1-DMSO	NM_005608	PTPRCAP	protein tyrosine phosphatase, receptor type, C-associated	-0.058971	Inlier
siRNA Disorazole DMSO Run3	NM_005608	PTPRCAP	protein tyrosine phosphatase, receptor type, C-associated	-0.008594	Inlier
siRNA Disorazole DMSO Run1	NM_005608	PTPRCAP	protein tyrosine phosphatase, receptor type, C-associated	0.008594	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005608	PTPRCAP	protein tyrosine phosphatase, receptor type, C-associated	0.460409	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005608	PTPRCAP	protein tyrosine phosphatase, receptor type, C-associated	0.888591	Inlier
siRNA Disorazole DMSO Run2	NM_005608	PTPRCAP	protein tyrosine phosphatase, receptor type, C-associated	1.141061	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Description	Log Fold Change	Classification
siRNA-Temozolomide Run3-DMSO	NM_130392	PTPRD	protein tyrosine phosphatase, receptor type, D	-7.995395	Outlier
siRNA-Temozolomide Run1-DMSO	NM_130392	PTPRD	protein tyrosine phosphatase, receptor type, D	-4.578256	Outlier
siRNA Disorazole DMSO Run2	NM_130392	PTPRD	protein tyrosine phosphatase, receptor type, D	-0.406145	Inlier
siRNA Disorazole DMSO Run1	NM_130392	PTPRD	protein tyrosine phosphatase, receptor type, D	-0.013402	Inlier
siRNA-Temozolomide Run2-DMSO	NM_130392	PTPRD	protein tyrosine phosphatase, receptor type, D	0.013402	Inlier
siRNA-Vinblastine Run1-DMSO	NM_130392	PTPRD	protein tyrosine phosphatase, receptor type, D	0.365579	Inlier
siRNA-Vinblastine Run2-DMSO	NM_130392	PTPRD	protein tyrosine phosphatase, receptor type, D	0.942855	Inlier
siRNA Disorazole DMSO Run3	NM_130392	PTPRD	protein tyrosine phosphatase, receptor type, D	1.039227	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	PTPRE	Gene Name	Log Fold Change	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006504	PTPRE	protein tyrosine phosphatase, receptor type, E	-2.433534	Inlier
siRNA Disorazole DMSO Run2	NM_006504	PTPRE	protein tyrosine phosphatase, receptor type, E	-1.332988	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006504	PTPRE	protein tyrosine phosphatase, receptor type, E	-0.804423	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006504	PTPRE	protein tyrosine phosphatase, receptor type, E	-0.09022	Inlier
siRNA Disorazole DMSO Run1	NM_006504	PTPRE	protein tyrosine phosphatase, receptor type, E	0.09022	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006504	PTPRE	protein tyrosine phosphatase, receptor type, E	0.433672	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006504	PTPRE	protein tyrosine phosphatase, receptor type, E	0.56851	Inlier
siRNA Disorazole DMSO Run3	NM_006504	PTPRE	protein tyrosine phosphatase, receptor type, E	0.78049	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Description	Log Fold Change	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_130440	PTPRF	protein tyrosine phosphatase, receptor type, F	-1.751933	Inlier
siRNA-Temozolomide Run1-DMSO	NM_130440	PTPRF	protein tyrosine phosphatase, receptor type, F	-1.587593	Inlier
siRNA Disorazole DMSO Run1	NM_130440	PTPRF	protein tyrosine phosphatase, receptor type, F	-0.553713	Inlier
siRNA-Temozolomide Run2-DMSO	NM_130440	PTPRF	protein tyrosine phosphatase, receptor type, F	-0.11578	Inlier
siRNA-Vinblastine Run2-DMSO	NM_130440	PTPRF	protein tyrosine phosphatase, receptor type, F	0.11578	Inlier
siRNA Disorazole DMSO Run2	NM_130440	PTPRF	protein tyrosine phosphatase, receptor type, F	0.590999	Inlier
siRNA-Vinblastine Run1-DMSO	NM_130440	PTPRF	protein tyrosine phosphatase, receptor type, F	0.758001	Inlier
siRNA Disorazole DMSO Run3	NM_130440	PTPRF	protein tyrosine phosphatase, receptor type, F	2.397719	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Description	Log Fold Change	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_002841	PTPRG	protein tyrosine phosphatase, receptor type, G	-1.111971	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002841	PTPRG	protein tyrosine phosphatase, receptor type, G	-0.550286	Inlier
siRNA Disorazole DMSO Run3	NM_002841	PTPRG	protein tyrosine phosphatase, receptor type, G	-0.253216	Inlier
siRNA Disorazole DMSO Run2	NM_002841	PTPRG	protein tyrosine phosphatase, receptor type, G	-0.107361	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002841	PTPRG	protein tyrosine phosphatase, receptor type, G	0.107361	Inlier
siRNA Disorazole DMSO Run1	NM_002841	PTPRG	protein tyrosine phosphatase, receptor type, G	0.798714	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002841	PTPRG	protein tyrosine phosphatase, receptor type, G	1.985264	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002841	PTPRG	protein tyrosine phosphatase, receptor type, G	3.566681	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Description	Log Fold Change	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_002842	PTPRH	protein tyrosine phosphatase, receptor type, H	-1.755325	Inlier
siRNA Disorazole DMSO Run2	NM_002842	PTPRH	protein tyrosine phosphatase, receptor type, H	-0.786891	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002842	PTPRH	protein tyrosine phosphatase, receptor type, H	-0.562109	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002842	PTPRH	protein tyrosine phosphatase, receptor type, H	-0.012553	Inlier
siRNA Disorazole DMSO Run1	NM_002842	PTPRH	protein tyrosine phosphatase, receptor type, H	0.012553	Inlier
siRNA Disorazole DMSO Run3	NM_002842	PTPRH	protein tyrosine phosphatase, receptor type, H	0.41578	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002842	PTPRH	protein tyrosine phosphatase, receptor type, H	0.94694	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002842	PTPRH	protein tyrosine phosphatase, receptor type, H	1.786166	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Description	Log Fold Change	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_002843	PTPRJ	protein tyrosine phosphatase, receptor type, J	-0.830018	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002843	PTPRJ	protein tyrosine phosphatase, receptor type, J	-0.524317	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002843	PTPRJ	protein tyrosine phosphatase, receptor type, J	-0.133026	Inlier
siRNA Disorazole DMSO Run2	NM_002843	PTPRJ	protein tyrosine phosphatase, receptor type, J	-0.059987	Inlier
siRNA Disorazole DMSO Run3	NM_002843	PTPRJ	protein tyrosine phosphatase, receptor type, J	0.059987	Inlier
siRNA Disorazole DMSO Run1	NM_002843	PTPRJ	protein tyrosine phosphatase, receptor type, J	0.824683	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002843	PTPRJ	protein tyrosine phosphatase, receptor type, J	1.896293	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002843	PTPRJ	protein tyrosine phosphatase, receptor type, J	1.967874	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Description	Log Fold Change	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_002844	PTPRK	protein tyrosine phosphatase, receptor type, K	-1.280012	Inlier
siRNA Disorazole DMSO Run2	NM_002844	PTPRK	protein tyrosine phosphatase, receptor type, K	-0.744564	Inlier
siRNA Disorazole DMSO Run3	NM_002844	PTPRK	protein tyrosine phosphatase, receptor type, K	-0.446546	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002844	PTPRK	protein tyrosine phosphatase, receptor type, K	-0.363997	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002844	PTPRK	protein tyrosine phosphatase, receptor type, K	0.363996	Inlier
siRNA Disorazole DMSO Run1	NM_002844	PTPRK	protein tyrosine phosphatase, receptor type, K	0.604436	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002844	PTPRK	protein tyrosine phosphatase, receptor type, K	2.042992	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002844	PTPRK	protein tyrosine phosphatase, receptor type, K	2.171826	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Description	Log Fold Change	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_002845	PTPRM	protein tyrosine phosphatase, receptor type, M	-1.97596	Inlier
siRNA Disorazole DMSO Run2	NM_002845	PTPRM	protein tyrosine phosphatase, receptor type, M	-0.473944	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002845	PTPRM	protein tyrosine phosphatase, receptor type, M	-0.460783	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002845	PTPRM	protein tyrosine phosphatase, receptor type, M	-0.240285	Inlier
siRNA Disorazole DMSO Run3	NM_002845	PTPRM	protein tyrosine phosphatase, receptor type, M	0.240285	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002845	PTPRM	protein tyrosine phosphatase, receptor type, M	0.875056	Inlier
siRNA Disorazole DMSO Run1	NM_002845	PTPRM	protein tyrosine phosphatase, receptor type, M	0.903741	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002845	PTPRM	protein tyrosine phosphatase, receptor type, M	1.458737	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Log Fold Change	Outlier Status	Gene Description
siRNA Disorazole DMSO Run2	NM_002846	PTPRN	-1.921226	Inlier	protein tyrosine phosphatase, receptor type, N
siRNA Disorazole DMSO Run3	NM_002846	PTPRN	-1.641776	Inlier	protein tyrosine phosphatase, receptor type, N
siRNA-Temozolomide Run3-DMSO	NM_002846	PTPRN	-1.598402	Inlier	protein tyrosine phosphatase, receptor type, N
siRNA-Temozolomide Run1-DMSO	NM_002846	PTPRN	-0.019844	Inlier	protein tyrosine phosphatase, receptor type, N
siRNA-Temozolomide Run2-DMSO	NM_002846	PTPRN	0.019844	Inlier	protein tyrosine phosphatase, receptor type, N
siRNA Disorazole DMSO Run1	NM_002846	PTPRN	0.09868	Inlier	protein tyrosine phosphatase, receptor type, N
siRNA-Vinblastine Run1-DMSO	NM_002846	PTPRN	0.633873	Inlier	protein tyrosine phosphatase, receptor type, N
siRNA-Vinblastine Run2-DMSO	NM_002846	PTPRN	0.715127	Inlier	protein tyrosine phosphatase, receptor type, N

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_130843	PTPRN2	protein tyrosine phosphatase, receptor type, N polypeptide 2	-1.119363	Inlier
siRNA-Temozolomide Run1-DMSO	NM_130843	PTPRN2	protein tyrosine phosphatase, receptor type, N polypeptide 2	-0.799505	Inlier
siRNA-Temozolomide Run2-DMSO	NM_130843	PTPRN2	protein tyrosine phosphatase, receptor type, N polypeptide 2	-0.506852	Inlier
siRNA Disorazole DMSO Run1	NM_130843	PTPRN2	protein tyrosine phosphatase, receptor type, N polypeptide 2	-0.036202	Inlier
siRNA Disorazole DMSO Run3	NM_130843	PTPRN2	protein tyrosine phosphatase, receptor type, N polypeptide 2	0.036202	Inlier
siRNA-Vinblastine Run1-DMSO	NM_130843	PTPRN2	protein tyrosine phosphatase, receptor type, N polypeptide 2	0.549495	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Description	Log2 Fold Change	Outlier Status
siRNA-Vinblastine Run2-DMSO	NM_130843	PTPRN2	protein tyrosine phosphatase, receptor type, N polypeptide 2	0.915272	Inlier
siRNA Disorazole DMSO Run2	NM_130843	PTPRN2	protein tyrosine phosphatase, receptor type, N polypeptide 2	1.283545	Inlier
siRNA-Temozolomide Run1-DMSO	NM_030668	PTPRO	protein tyrosine phosphatase, receptor type, O	-1.046574	Inlier
siRNA-Temozolomide Run3-DMSO	NM_030668	PTPRO	protein tyrosine phosphatase, receptor type, O	-1.030494	Inlier
siRNA-Temozolomide Run2-DMSO	NM_030668	PTPRO	protein tyrosine phosphatase, receptor type, O	-0.226846	Inlier
siRNA Disorazole DMSO Run1	NM_030668	PTPRO	protein tyrosine phosphatase, receptor type, O	-0.066382	Inlier
siRNA Disorazole DMSO Run2	NM_030668	PTPRO	protein tyrosine phosphatase, receptor type, O	0.066381	Inlier
siRNA-Vinblastine Run2-DMSO	NM_030668	PTPRO	protein tyrosine phosphatase, receptor type, O	0.436262	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Score	Category
siRNA-Vinblastine Run1-DMSO	NM_030668	PTPRO	protein tyrosine phosphatase, receptor type, O	0.912738	Inlier
siRNA Disorazole DMSO Run3	NM_030668	PTPRO	protein tyrosine phosphatase, receptor type, O	1.754203	Inlier
siRNA-Temozolomide Run3-DMSO	NM_130846	PTPRR	protein tyrosine phosphatase, receptor type, R	-1.816391	Inlier
siRNA-Temozolomide Run2-DMSO	NM_130846	PTPRR	protein tyrosine phosphatase, receptor type, R	-0.876201	Inlier
siRNA-Temozolomide Run1-DMSO	NM_130846	PTPRR	protein tyrosine phosphatase, receptor type, R	-0.477213	Inlier
siRNA Disorazole DMSO Run3	NM_130846	PTPRR	protein tyrosine phosphatase, receptor type, R	-0.278456	Inlier
siRNA Disorazole DMSO Run1	NM_130846	PTPRR	protein tyrosine phosphatase, receptor type, R	0.278456	Inlier
siRNA Disorazole DMSO Run2	NM_130846	PTPRR	protein tyrosine phosphatase, receptor type, R	0.656976	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Description	Score	Outlier Status
siRNA-Vinblastine Run2-DMSO	NM_130846	PTPRR	protein tyrosine phosphatase, receptor type, R	0.692024	Inlier
siRNA-Vinblastine Run1-DMSO	NM_130846	PTPRR	protein tyrosine phosphatase, receptor type, R	1.488392	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002850	PTPRS	protein tyrosine phosphatase, receptor type, S	-1.664233	Inlier
siRNA Disorazole DMSO Run3	NM_002850	PTPRS	protein tyrosine phosphatase, receptor type, S	-0.92209	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002850	PTPRS	protein tyrosine phosphatase, receptor type, S	-0.635084	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002850	PTPRS	protein tyrosine phosphatase, receptor type, S	-0.106979	Inlier
siRNA Disorazole DMSO Run2	NM_002850	PTPRS	protein tyrosine phosphatase, receptor type, S	0.10698	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002850	PTPRS	protein tyrosine phosphatase, receptor type, S	0.355648	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Description	Log2 Fold Change	Outlier Status
siRNA Disorazole DMSO Run1	NM_0028 50	PTPRS	protein tyrosine phosphatase, receptor type, S	0.713916	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0028 50	PTPRS	protein tyrosine phosphatase, receptor type, S	1.292514	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1331 70	PTPRT	protein tyrosine phosphatase, receptor type, T	-3.457784	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1331 70	PTPRT	protein tyrosine phosphatase, receptor type, T	-1.780029	Inlier
siRNA Disorazole DMSO Run2	NM_1331 70	PTPRT	protein tyrosine phosphatase, receptor type, T	-0.872927	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1331 70	PTPRT	protein tyrosine phosphatase, receptor type, T	-0.045829	Inlier
siRNA Disorazole DMSO Run3	NM_1331 70	PTPRT	protein tyrosine phosphatase, receptor type, T	0.045829	Inlier
siRNA Disorazole DMSO Run1	NM_1331 70	PTPRT	protein tyrosine phosphatase, receptor type, T	0.382605	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Symbol	Gene Description	Value	Category
siRNA-Vinblastine Run1-DMSO	NM_133170	PTPRT	protein tyrosine phosphatase, receptor type, T	0.476073	Inlier
siRNA-Vinblastine Run2-DMSO	NM_133170	PTPRT	protein tyrosine phosphatase, receptor type, T	1.130202	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005704	PTPRU	protein tyrosine phosphatase, receptor type, U	-1.121344	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005704	PTPRU	protein tyrosine phosphatase, receptor type, U	-0.605653	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005704	PTPRU	protein tyrosine phosphatase, receptor type, U	-0.363463	Inlier
siRNA Disorazole DMSO Run1	NM_005704	PTPRU	protein tyrosine phosphatase, receptor type, U	-0.258442	Inlier
siRNA Disorazole DMSO Run2	NM_005704	PTPRU	protein tyrosine phosphatase, receptor type, U	0.258441	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005704	PTPRU	protein tyrosine phosphatase, receptor type, U	0.743347	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Description	Score	Outlier Status
siRNA Disorazole DMSO Run3	NM_005704	PTPRU	protein tyrosine phosphatase, receptor type, U	0.917279	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005704	PTPRU	protein tyrosine phosphatase, receptor type, U	1.34569	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002851	PTPRZ1	protein tyrosine phosphatase, receptor-type, Z polypeptide 1	-1.452808	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002851	PTPRZ1	protein tyrosine phosphatase, receptor-type, Z polypeptide 1	-0.675567	Inlier
siRNA Disorazole DMSO Run3	NM_002851	PTPRZ1	protein tyrosine phosphatase, receptor-type, Z polypeptide 1	-0.433489	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002851	PTPRZ1	protein tyrosine phosphatase, receptor-type, Z polypeptide 1	-0.045433	Inlier
siRNA Disorazole DMSO Run2	NM_002851	PTPRZ1	protein tyrosine phosphatase, receptor-type, Z polypeptide 1	0.045433	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0028 51	PTPRZ1	protein tyrosine phosphatase, receptor-type, Z polypeptide 1	0.673433	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0028 51	PTPRZ1	protein tyrosine phosphatase, receptor-type, Z polypeptide 1	0.769607	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0028 51	PTPRZ1	protein tyrosine phosphatase, receptor-type, Z polypeptide 1	1.276154	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0003 17	PTS	6-pyruvoyltetrahydropterin synthase	-0.864403	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0003 17	PTS	6-pyruvoyltetrahydropterin synthase	-0.777012	Inlier
siRNA Disorazole DMSO Run1	NM_0003 17	PTS	6-pyruvoyltetrahydropterin synthase	-0.608977	Inlier
siRNA Disorazole DMSO Run2	NM_0003 17	PTS	6-pyruvoyltetrahydropterin synthase	-0.013354	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0003 17	PTS	6-pyruvoyltetrahydropterin synthase	0.013355	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_000317	PTS	6-pyruvoyltetrahydropterin synthase	0.366784	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000317	PTS	6-pyruvoyltetrahydropterin synthase	0.740023	Inlier
siRNA Disorazole DMSO Run3	NM_000317	PTS	6-pyruvoyltetrahydropterin synthase	0.825584	Inlier
siRNA Disorazole DMSO Run3	NM_001002019	PUS1	pseudouridylate synthase 1	-1.207375	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001002019	PUS1	pseudouridylate synthase 1	-1.171608	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001002019	PUS1	pseudouridylate synthase 1	-0.539081	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001002019	PUS1	pseudouridylate synthase 1	-0.071686	Inlier
siRNA Disorazole DMSO Run1	NM_001002019	PUS1	pseudouridylate synthase 1	0.071686	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001002019	PUS1	pseudouridylate synthase 1	0.22439	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001002019	PUS1	pseudouridylate synthase 1	0.809919	Inlier
siRNA Disorazole DMSO Run2	NM_001002019	PUS1	pseudouridylate synthase 1	1.209404	Inlier
siRNA Disorazole DMSO Run1	NM_031307	PUS3	pseudouridylate synthase 3	-1.503155	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_031307	PUS3	pseudouridylate synthase 3	-0.871603	Inlier
siRNA-Temozolomide Run1-DMSO	NM_031307	PUS3	pseudouridylate synthase 3	-0.800285	Inlier
siRNA Disorazole DMSO Run3	NM_031307	PUS3	pseudouridylate synthase 3	-0.509122	Inlier
siRNA-Temozolomide Run2-DMSO	NM_031307	PUS3	pseudouridylate synthase 3	0.509121	Inlier
siRNA-Vinblastine Run2-DMSO	NM_031307	PUS3	pseudouridylate synthase 3	0.533852	Inlier
siRNA-Vinblastine Run1-DMSO	NM_031307	PUS3	pseudouridylate synthase 3	0.548715	Inlier
siRNA Disorazole DMSO Run2	NM_031307	PUS3	pseudouridylate synthase 3	2.352516	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006505	PVR	poliovirus receptor	-1.243965	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006505	PVR	poliovirus receptor	-0.931221	Inlier
siRNA Disorazole DMSO Run3	NM_006505	PVR	poliovirus receptor	-0.534769	Inlier
siRNA Disorazole DMSO Run1	NM_006505	PVR	poliovirus receptor	-0.381071	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006505	PVR	poliovirus receptor	0.381071	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006505	PVR	poliovirus receptor	0.473692	Inlier
siRNA Disorazole DMSO Run2	NM_006505	PVR	poliovirus receptor	0.814231	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006505	PVR	poliovirus receptor	1.341034	Inlier
siRNA-Vinblastine Run2-DMSO	NM_203285	PVRL1	poliovirus receptor-related 1 (herpesvirus entry mediator C; nectin)	-1.251056	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Gene Name	Value	Category
siRNA-Temozolomide Run2-DMSO	NM_203285	PVRL1	poliovirus receptor-related 1 (herpesvirus entry mediator C; nectin)	-0.827064	Inlier
siRNA-Temozolomide Run3-DMSO	NM_203285	PVRL1	poliovirus receptor-related 1 (herpesvirus entry mediator C; nectin)	-0.155083	Inlier
siRNA Disorazole DMSO Run3	NM_203285	PVRL1	poliovirus receptor-related 1 (herpesvirus entry mediator C; nectin)	-0.094015	Inlier
siRNA Disorazole DMSO Run1	NM_203285	PVRL1	poliovirus receptor-related 1 (herpesvirus entry mediator C; nectin)	0.094015	Inlier
siRNA-Temozolomide Run1-DMSO	NM_203285	PVRL1	poliovirus receptor-related 1 (herpesvirus entry mediator C; nectin)	0.521936	Inlier
siRNA Disorazole DMSO Run2	NM_203285	PVRL1	poliovirus receptor-related 1 (herpesvirus entry mediator C; nectin)	1.653336	Inlier
siRNA-Vinblastine Run1-DMSO	NM_203285	PVRL1	poliovirus receptor-related 1 (herpesvirus entry mediator C; nectin)	2.431007	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Cell Line	Gene Name	Log Fold Change	Outlier Status
siRNA-Vinblastine Run2-DMSO	NM_002856	PVRL2	poliovirus receptor-related 2 (herpesvirus entry mediator B)	-1.281795	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002856	PVRL2	poliovirus receptor-related 2 (herpesvirus entry mediator B)	-0.613757	Inlier
siRNA Disorazole DMSO Run3	NM_002856	PVRL2	poliovirus receptor-related 2 (herpesvirus entry mediator B)	-0.328467	Inlier
siRNA Disorazole DMSO Run1	NM_002856	PVRL2	poliovirus receptor-related 2 (herpesvirus entry mediator B)	-0.310121	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002856	PVRL2	poliovirus receptor-related 2 (herpesvirus entry mediator B)	0.31012	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002856	PVRL2	poliovirus receptor-related 2 (herpesvirus entry mediator B)	0.735243	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002856	PVRL2	poliovirus receptor-related 2 (herpesvirus entry mediator B)	1.651191	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

				poliovirus receptor-related 2 (herpesvirus entry mediator B)	
siRNA Disorazole DMSO Run2	NM_0028	56	PVRL2		1.719458 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0154	80	PVRL3	poliovirus receptor-related 3	-2.659555 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0154	80	PVRL3	poliovirus receptor-related 3	-0.425621 Inlier
siRNA Disorazole DMSO Run3	NM_0154	80	PVRL3	poliovirus receptor-related 3	-0.399032 Inlier
siRNA Disorazole DMSO Run1	NM_0154	80	PVRL3	poliovirus receptor-related 3	-0.001653 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0154	80	PVRL3	poliovirus receptor-related 3	0.001653 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0154	80	PVRL3	poliovirus receptor-related 3	0.923379 Inlier
siRNA Disorazole DMSO Run2	NM_0154	80	PVRL3	poliovirus receptor-related 3	1.067804 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0154	80	PVRL3	poliovirus receptor-related 3	1.123263 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0309	16	PVRL4	poliovirus receptor-related 4	-2.208577 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0309	16	PVRL4	poliovirus receptor-related 4	-1.613301 Inlier
siRNA Disorazole DMSO Run3	NM_0309	16	PVRL4	poliovirus receptor-related 4	-0.514474 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0309	16	PVRL4	poliovirus receptor-related 4	-0.059403 Inlier
siRNA Disorazole DMSO Run1	NM_0309	16	PVRL4	poliovirus receptor-related 4	0.059403 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0309	16	PVRL4	poliovirus receptor-related 4	0.654204 Inlier
siRNA Disorazole DMSO Run2	NM_0309	16	PVRL4	poliovirus receptor-related 4	0.694796 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	siRNA	Gene	Protein	Score	Category
siRNA-Vinblastine Run1-DMSO	NM_0309 16	PVRL4	poliovirus receptor-related 4 PX domain containing serine/threonine kinase	0.881414	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0177 71	PXK	PX domain containing serine/threonine kinase	-0.767778	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0177 71	PXK	PX domain containing serine/threonine kinase	-0.709599	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0177 71	PXK	PX domain containing serine/threonine kinase	-0.6394	Inlier
siRNA Disorazole DMSO Run3	NM_0177 71	PXK	PX domain containing serine/threonine kinase	-0.178929	Inlier
siRNA Disorazole DMSO Run2	NM_0177 71	PXK	PX domain containing serine/threonine kinase	0.178929	Inlier
siRNA Disorazole DMSO Run1	NM_0177 71	PXK	PX domain containing serine/threonine kinase	0.583653	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0177 71	PXK	PX domain containing serine/threonine kinase	0.796986	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0177 71	PXK	PX domain containing serine/threonine kinase	0.891876	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Temozolomide Run3- DMSO	NM_0028 59	PXN	paxillin	-1.562528	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0028 59	PXN	paxillin	-1.377925	Inlier
siRNA Disorazole DMSO Run3	NM_0028 59	PXN	paxillin	-0.126984	Inlier
siRNA Disorazole DMSO Run1	NM_0028 59	PXN	paxillin	-0.037255	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0028 59	PXN	paxillin	0.037254	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0028 59	PXN	paxillin	0.04058	Inlier
siRNA Disorazole DMSO Run2	NM_0028 59	PXN	paxillin	1.222016	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0028 59	PXN	paxillin	1.227129	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1529 01	PYC1	pyrin domain containing 1	-0.927901	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1529 01	PYC1	pyrin domain containing 1	-0.421627	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1529 01	PYC1	pyrin domain containing 1	-0.292806	Inlier
siRNA Disorazole DMSO Run2	NM_1529 01	PYC1	pyrin domain containing 1	-0.160972	Inlier
siRNA Disorazole DMSO Run1	NM_1529 01	PYC1	pyrin domain containing 1	0.160972	Inlier
siRNA Disorazole DMSO Run3	NM_1529 01	PYC1	pyrin domain containing 1	0.927372	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1529 01	PYC1	pyrin domain containing 1	2.492826	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1529 01	PYC1	pyrin domain containing 1	3.298701	Inlier
siRNA Disorazole DMSO Run1	NM_1451 83	PYCARD	PYD and CARD domain containing	-0.776376	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_1451 83	PYCARD	PYD and CARD domain containing	-0.71523	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1451 83	PYCARD	PYD and CARD domain containing	-0.570679	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1451 83	PYCARD	PYD and CARD domain containing	-0.211685	Inlier
siRNA Disorazole DMSO Run2	NM_1451 83	PYCARD	PYD and CARD domain containing	0.211685	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1451 83	PYCARD	PYD and CARD domain containing	0.63377	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1451 83	PYCARD	PYD and CARD domain containing	0.765326	Inlier
siRNA Disorazole DMSO Run3	NM_1451 83	PYCARD	PYD and CARD domain containing	1.919849	Inlier
siRNA Disorazole DMSO Run1	NM_1538 24	PYCR1	pyrroline-5-carboxylate reductase 1	-0.700166	Inlier
siRNA Disorazole DMSO Run3	NM_1538 24	PYCR1	pyrroline-5-carboxylate reductase 1	-0.648834	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1538 24	PYCR1	pyrroline-5-carboxylate reductase 1	-0.187597	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1538 24	PYCR1	pyrroline-5-carboxylate reductase 1	-0.067888	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_1538 24	PYCR1	pyrroline-5-carboxylate reductase 1	0.067888	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1538 24	PYCR1	pyrroline-5-carboxylate reductase 1	0.773964	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1538 24	PYCR1	pyrroline-5-carboxylate reductase 1	1.815025	Inlier
siRNA Disorazole DMSO Run2	NM_1538 24	PYCR1	pyrroline-5-carboxylate reductase 1	1.975742	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0133 28	PYCR2	pyrroline-5-carboxylate reductase family, member 2	-2.064717	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0133 28	PYCR2	pyrroline-5-carboxylate reductase family, member 2	-0.8503	Inlier
siRNA Disorazole DMSO Run1	NM_0133 28	PYCR2	pyrroline-5-carboxylate reductase family, member 2	-0.691029	Inlier
siRNA Disorazole DMSO Run3	NM_0133 28	PYCR2	pyrroline-5-carboxylate reductase family, member 2	-0.175362	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_013328	PYCR2	pyrroline-5-carboxylate reductase family, member 2	0.175362	Inlier
siRNA-Temozolomide Run1-DMSO	NM_013328	PYCR2	pyrroline-5-carboxylate reductase family, member 2	0.321146	Inlier
siRNA-Vinblastine Run1-DMSO	NM_013328	PYCR2	pyrroline-5-carboxylate reductase family, member 2	0.657971	Inlier
siRNA Disorazole DMSO Run2	NM_013328	PYCR2	pyrroline-5-carboxylate reductase family, member 2	1.95487	Inlier
siRNA Disorazole DMSO Run1	NM_002862	PYGB	phosphorylase, glycogen; brain	-2.919765	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002862	PYGB	phosphorylase, glycogen; brain	-0.901493	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002862	PYGB	phosphorylase, glycogen; brain	-0.624176	Inlier
siRNA Disorazole DMSO Run2	NM_002862	PYGB	phosphorylase, glycogen; brain	-0.423261	Inlier
siRNA Disorazole DMSO Run3	NM_002862	PYGB	phosphorylase, glycogen; brain	0.423262	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002862	PYGB	phosphorylase, glycogen; brain	0.619816	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0028 62	PYGB	phosphoryl ase, glycogen; brain	0.724824	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0028 62	PYGB	phosphoryl ase, glycogen; brain	2.624424	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0028 63	PYGL	phosphoryl ase, glycogen; liver (Hers disease, glycogen storage disease type VI)	-2.537417	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0028 63	PYGL	phosphoryl ase, glycogen; liver (Hers disease, glycogen storage disease type VI)	-1.384014	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0028 63	PYGL	phosphoryl ase, glycogen; liver (Hers disease, glycogen storage disease type VI)	-0.71661	Inlier
siRNA Disorazole DMSO Run3	NM_0028 63	PYGL	phosphoryl ase, glycogen; liver (Hers disease, glycogen storage disease type VI)	-0.169949	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0028 63	PYGL	phosphoryl ase, glycogen; liver (Hers disease, glycogen storage disease type VI)	0.169949	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0028 63	PYGL	phosphoryl ase, glycogen; liver (Hers disease, glycogen storage disease type VI)	0.577384	Inlier
siRNA Disorazole DMSO Run2	NM_0028 63	PYGL	phosphoryl ase, glycogen; liver (Hers disease, glycogen storage disease type VI)	0.63239	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0028 63	PYGL	phosphoryl ase, glycogen; liver (Hers disease, glycogen storage disease type VI)	1.335137	Inlier
siRNA Disorazole DMSO Run1	NM_0056 09	PYGM	phosphoryl ase, glycogen; muscle (McArdle syndrome, glycogen storage disease type V)	-1.592238	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_005609	PYGM	phosphorylase, glycogen; muscle (McArdle syndrome, glycogen storage disease type V)	-1.446703	Inlier
siRNA Disorazole DMSO Run3	NM_005609	PYGM	phosphorylase, glycogen; muscle (McArdle syndrome, glycogen storage disease type V)	-0.468328	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005609	PYGM	phosphorylase, glycogen; muscle (McArdle syndrome, glycogen storage disease type V)	-0.030022	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005609	PYGM	phosphorylase, glycogen; muscle (McArdle syndrome, glycogen storage disease type V)	0.030021	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0056 09	PYGM	phosphoryl ase, glycogen; muscle (McArdle syndrome, glycogen storage disease type V)	0.267075	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0056 09	PYGM	phosphoryl ase, glycogen; muscle (McArdle syndrome, glycogen storage disease type V)	0.880672	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0056 09	PYGM	phosphoryl ase, glycogen; muscle (McArdle syndrome, glycogen storage disease type V)	2.572459	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0028 64	PZP	pregnancy- zone protein	-2.278497	Inlier
siRNA Disorazole DMSO Run1	NM_0028 64	PZP	pregnancy- zone protein	-0.752767	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0028 64	PZP	pregnancy- zone protein	-0.375085	Inlier
siRNA Disorazole DMSO Run2	NM_0028 64	PZP	pregnancy- zone protein	-0.096101	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0028 64	PZP	pregnancy- zone protein	0.096102	Inlier
siRNA Disorazole DMSO Run3	NM_0028 64	PZP	pregnancy- zone protein	0.596233	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology siRNA-Vinblastine Run2- DMSO	NM_0028 64	PZP	pregnancy- zone protein	1.282318	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0028 64	PZP	pregnancy- zone protein	2.032768	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0050 51	QARS	glutaminy- l-tRNA synthetase	-1.626812	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0050 51	QARS	glutaminy- l-tRNA synthetase	-0.751854	Inlier
siRNA Disorazole DMSO Run1	NM_0050 51	QARS	glutaminy- l-tRNA synthetase	-0.597146	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0050 51	QARS	glutaminy- l-tRNA synthetase	-0.156954	Inlier
siRNA Disorazole DMSO Run3	NM_0050 51	QARS	glutaminy- l-tRNA synthetase	0.156953	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0050 51	QARS	glutaminy- l-tRNA synthetase	0.367664	Inlier
siRNA Disorazole DMSO Run2	NM_0050 51	QARS	glutaminy- l-tRNA synthetase	3.156269	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0050 51	QARS	glutaminy- l-tRNA synthetase	4.266563	Outlier
siRNA-Vinblastine Run2- DMSO	NM_0003 20	QDPR	quinoid dihydropte ridine reductase	-1.230471	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0003 20	QDPR	quinoid dihydropte ridine reductase	-1.077638	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0003 20	QDPR	quinoid dihydropte ridine reductase	-0.271362	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0003 20	QDPR	quinoid dihydropteridine reductase	-0.043034	Inlier
siRNA Disorazole DMSO Run3	NM_0003 20	QDPR	quinoid dihydropteridine reductase	0.043034	Inlier
siRNA Disorazole DMSO Run1	NM_0003 20	QDPR	quinoid dihydropteridine reductase	0.195216	Inlier
siRNA Disorazole DMSO Run2	NM_0003 20	QDPR	quinoid dihydropteridine reductase	3.159328	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0003 20	QDPR	quinoid dihydropteridine reductase	3.818901	Outlier
siRNA-Vinblastine Run2-DMSO	NM_0124 13	QPCT	glutaminyl-peptide cyclotransferase (glutaminyl cyclase)	-1.093673	Inlier
siRNA Disorazole DMSO Run1	NM_0124 13	QPCT	glutaminyl-peptide cyclotransferase (glutaminyl cyclase)	-0.613577	Inlier
siRNA Disorazole DMSO Run3	NM_0124 13	QPCT	glutaminyl-peptide cyclotransferase (glutaminyl cyclase)	-0.543509	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0124 13	QPCT	glutaminyl-peptide cyclotransferase (glutaminyl cyclase)	-0.439585	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0124 13	QPCT	glutaminyl-peptide cyclotransferase (glutaminyl cyclase)	0.439585	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0124 13	QPCT	glutaminyl-peptide cyclotransferase (glutaminyl cyclase)	0.735423	Inlier
siRNA Disorazole DMSO Run2	NM_0124 13	QPCT	glutaminyl-peptide cyclotransferase (glutaminyl cyclase)	2.14424	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0124 13	QPCT	glutaminyl-peptide cyclotransferase (glutaminyl cyclase)	2.422976	Inlier
siRNA Disorazole DMSO Run3	NM_0142 98	QPRT	quinolinate phosphoribosyltransferase (nicotinate-nucleotide pyrophosphorylase (carboxylating))	-0.732428	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0142 98	QPRT	quinolinate phosphoribosyltransferase (nicotinate-nucleotide pyrophosphorylase (carboxylating))	-0.714081	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_014298	QPRT	quinolinate phosphoribosyltransferase (nicotinate-nucleotide pyrophosphorylase (carboxylating))	-0.634919	Inlier
siRNA-Vinblastine Run2-DMSO	NM_014298	QPRT	quinolinate phosphoribosyltransferase (nicotinate-nucleotide pyrophosphorylase (carboxylating))	-0.122569	Inlier
siRNA Disorazole DMSO Run1	NM_014298	QPRT	quinolinate phosphoribosyltransferase (nicotinate-nucleotide pyrophosphorylase (carboxylating))	0.122569	Inlier
siRNA-Temozolomide Run1-DMSO	NM_014298	QPRT	quinolinate phosphoribosyltransferase (nicotinate-nucleotide pyrophosphorylase (carboxylating))	0.314247	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0142 98	QPRT	quinolinate phosphoribosyltransferase (nicotinate-nucleotide pyrophosphorylase (carboxylating))	1.280625	Inlier
siRNA Disorazole DMSO Run2	NM_0142 98	QPRT	quinolinate phosphoribosyltransferase (nicotinate-nucleotide pyrophosphorylase (carboxylating))	1.348494	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0182 92	QRSL1	glutaminyl-tRNA synthase (glutamine-hydrolyzing)-like 1	-2.878961	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0182 92	QRSL1	glutaminyl-tRNA synthase (glutamine-hydrolyzing)-like 1	-1.16134	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0182 92	QRSL1	glutaminyl-tRNA synthase (glutamine-hydrolyzing)-like 1	-0.604474	Inlier
siRNA Disorazole DMSO Run3	NM_0182 92	QRSL1	glutaminyl-tRNA synthase (glutamine-hydrolyzing)-like 1	-0.249942	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0182 92	QRSL1	glutaminyl-tRNA synthase (glutamine-hydrolyzing)-like 1	0.249941	Inlier
siRNA Disorazole DMSO Run1	NM_0182 92	QRSL1	glutaminyl-tRNA synthase (glutamine-hydrolyzing)-like 1	0.516253	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0182 92	QRSL1	glutaminyl-tRNA synthase (glutamine-hydrolyzing)-like 1	0.744526	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0182 92	QRSL1	glutaminyl-tRNA synthase (glutamine-hydrolyzing)-like 1 RAB10, member RAS	1.612239	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0161 31	RAB10	oncogene family RAB10, member RAS	-1.259349	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0161 31	RAB10	oncogene family RAB10, member RAS	-0.680539	Inlier
siRNA Disorazole DMSO Run1	NM_0161 31	RAB10	oncogene family RAB10, member RAS	-0.668461	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0161 31	RAB10	oncogene family	-0.185306	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0161 31	RAB10	RAB10, member RAS oncogene family	0.185307	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0161 31	RAB10	RAB10, member RAS oncogene family	0.345561	Inlier
siRNA Disorazole DMSO Run2	NM_0161 31	RAB10	RAB10, member RAS oncogene family	1.525517	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0161 31	RAB10	RAB10, member RAS oncogene family	1.762344	Inlier
siRNA Disorazole DMSO Run1	NM_0046 63	RAB11A	RAB11A, member RAS oncogene family	-0.904984	Inlier
siRNA Disorazole DMSO Run3	NM_0046 63	RAB11A	RAB11A, member RAS oncogene family	-0.651112	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0046 63	RAB11A	RAB11A, member RAS oncogene family	-0.459226	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0046 63	RAB11A	RAB11A, member RAS oncogene family	-0.010251	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0046 63	RAB11A	RAB11A, member RAS oncogene family	0.010251	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0046 63	RAB11A	RAB11A, member RAS oncogene family	0.697888	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0046 63	RAB11A	RAB11A, member RAS oncogene family	0.867283 Inlier
siRNA Disorazole DMSO Run2	NM_0046 63	RAB11A	RAB11A, member RAS oncogene family	0.989951 Inlier
siRNA Disorazole DMSO Run3	NM_0042 18	RAB11B	RAB11B, member RAS oncogene family	-0.713919 Inlier
siRNA Disorazole DMSO Run1	NM_0042 18	RAB11B	RAB11B, member RAS oncogene family	-0.635081 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0042 18	RAB11B	RAB11B, member RAS oncogene family	-0.541627 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0042 18	RAB11B	RAB11B, member RAS oncogene family	-0.242788 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0042 18	RAB11B	RAB11B, member RAS oncogene family	0.242788 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0042 18	RAB11B	RAB11B, member RAS oncogene family	0.873749 Inlier
siRNA Disorazole DMSO Run2	NM_0042 18	RAB11B	RAB11B, member RAS oncogene family	1.80134 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0042 18	RAB11B	RAS oncogene family	2.341501 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0028 70	RAB13	RAB13, member RAS oncogene family	-2.642865	Inlier
siRNA Disorazole DMSO Run3	NM_0028 70	RAB13	RAB13, member RAS oncogene family	-0.668564	Inlier
siRNA Disorazole DMSO Run1	NM_0028 70	RAB13	RAB13, member RAS oncogene family	-0.286508	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0028 70	RAB13	RAB13, member RAS oncogene family	-0.267107	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0028 70	RAB13	RAB13, member RAS oncogene family	0.267107	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0028 70	RAB13	RAB13, member RAS oncogene family	0.680436	Inlier
siRNA Disorazole DMSO Run2	NM_0028 70	RAB13	RAB13, member RAS oncogene family	2.466021	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0028 70	RAB13	RAB13, member RAS oncogene family	2.934059	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0163 22	RAB14	RAB14, member RAS oncogene family	-0.889257	Inlier
siRNA Disorazole DMSO Run3	NM_0163 22	RAB14	RAB14, member RAS oncogene family	-0.868468	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0163 22	RAB14	RAB14, member RAS oncogene family	-0.530473	Inlier
siRNA Disorazole DMSO Run1	NM_0163 22	RAB14	RAB14, member RAS oncogene family	-0.059192	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0163 22	RAB14	RAB14, member RAS oncogene family	0.059192	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0163 22	RAB14	RAB14, member RAS oncogene family	0.131021	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0163 22	RAB14	RAB14, member RAS oncogene family	0.818527	Inlier
siRNA Disorazole DMSO Run2	NM_0163 22	RAB14	RAS oncogene family	1.999632	Inlier
siRNA Disorazole DMSO Run1	NM_0224 49	RAB17	RAB17, member RAS oncogene family	-1.321015	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0224 49	RAB17	RAB17, member RAS oncogene family	-0.668595	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0224 49	RAB17	RAB17, member RAS oncogene family	-0.313996	Inlier
siRNA Disorazole DMSO Run3	NM_0224 49	RAB17	RAS oncogene family	-0.259668	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0224 49	RAB17	RAB17, member RAS oncogene family	0.259668	Inlier
siRNA Disorazole DMSO Run2	NM_0224 49	RAB17	RAB17, member RAS oncogene family	0.680405	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0224 49	RAB17	RAB17, member RAS oncogene family	1.35482	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0224 49	RAB17	RAB17, member RAS oncogene family	1.365267	Inlier
siRNA Disorazole DMSO Run1	NM_0212 52	RAB18	RAB18, member RAS oncogene family	-2.401788	Inlier
siRNA Disorazole DMSO Run3	NM_0212 52	RAB18	RAB18, member RAS oncogene family	-0.789002	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0212 52	RAB18	RAB18, member RAS oncogene family	-0.559998	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0212 52	RAB18	RAB18, member RAS oncogene family	-0.257175	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0212 52	RAB18	RAB18, member RAS oncogene family	0.257176	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0212 52	RAB18	RAB18, member RAS oncogene family	0.510058	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0212 52	RAB18	RAB18, member RAS oncogene family	0.892678	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0212 52	RAB18	RAB18, member RAS oncogene family	1.262106	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0041 61	RAB1A	RAB1A, member RAS oncogene family	-0.797417	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0041 61	RAB1A	RAB1A, member RAS oncogene family	-0.551583	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0041 61	RAB1A	RAB1A, member RAS oncogene family	-0.359815	Inlier
siRNA Disorazole DMSO Run3	NM_0041 61	RAB1A	RAB1A, member RAS oncogene family	-0.34804	Inlier
siRNA Disorazole DMSO Run1	NM_0041 61	RAB1A	RAB1A, member RAS oncogene family	0.34804	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0041 61	RAB1A	RAB1A, member RAS oncogene family	0.95537	Inlier
siRNA Disorazole DMSO Run2	NM_0041 61	RAB1A	RAB1A, member RAS oncogene family	5.38604	Outlier
siRNA-Vinblastine Run1- DMSO	NM_0041 61	RAB1A	RAB1A, member RAS oncogene family	6.097798	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0309 81	RAB1B	RAB1B, member RAS oncogene family	-1.300275	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0309 81	RAB1B	RAB1B, member RAS oncogene family	-0.252635	Inlier
siRNA Disorazole DMSO Run1	NM_0309 81	RAB1B	RAB1B, member RAS oncogene family	-0.156446	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0309 81	RAB1B	RAB1B, member RAS oncogene family	-0.03429	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0309 81	RAB1B	RAB1B, member RAS oncogene family	0.034289	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0309 81	RAB1B	RAB1B, member RAS oncogene family	1.096365	Inlier
siRNA Disorazole DMSO Run2	NM_0309 81	RAB1B	RAB1B, member RAS oncogene family	1.749341	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0309 81	RAB1B	RAB2, member RAS oncogene family	2.224425	Inlier
siRNA Disorazole DMSO Run3	NM_0028 65	RAB2	RAB2, member RAS oncogene family	-0.978241	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0028 65	RAB2	RAB2, member RAS oncogene family	-0.919934	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0028 65	RAB2	RAB2, member RAS oncogene family RAB2, member RAS	-0.70391 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0028 65	RAB2	RAB2, member RAS oncogene family RAB2, member RAS	-0.048659 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0028 65	RAB2	RAB2, member RAS oncogene family RAB2, member RAS	0.048659 Inlier
siRNA Disorazole DMSO Run1	NM_0028 65	RAB2	RAB2, member RAS oncogene family RAB2, member RAS	0.183766 Inlier
siRNA Disorazole DMSO Run2	NM_0028 65	RAB2	RAB2, member RAS oncogene family RAB2, member RAS	0.64509 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0028 65	RAB2	RAB20, member RAS oncogene family RAB20, member RAS	1.064694 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0178 17	RAB20	RAB20, member RAS oncogene family RAB20, member RAS	-0.816271 Inlier
siRNA Disorazole DMSO Run1	NM_0178 17	RAB20	RAB20, member RAS oncogene family RAB20, member RAS	-0.795492 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0178 17	RAB20	RAB20, member RAS oncogene family RAB20, member RAS	-0.277061 Inlier
siRNA Disorazole DMSO Run3	NM_0178 17	RAB20	RAB20, member RAS oncogene family RAB20, member RAS	-0.046727 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0178 17	RAB20	RAB20, member RAS oncogene family	0.046727	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0178 17	RAB20	RAB20, member RAS oncogene family	0.553508	Inlier
siRNA Disorazole DMSO Run2	NM_0178 17	RAB20	RAB20, member RAS oncogene family	1.882991	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0178 17	RAB20	RAB20, member RAS oncogene family	2.093036	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0149 99	RAB21	RAB21, member RAS oncogene family	-1.448498	Inlier
siRNA Disorazole DMSO Run1	NM_0149 99	RAB21	RAB21, member RAS oncogene family	-1.093719	Inlier
siRNA Disorazole DMSO Run3	NM_0149 99	RAB21	RAB21, member RAS oncogene family	-0.146708	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0149 99	RAB21	RAB21, member RAS oncogene family	-0.09357	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0149 99	RAB21	RAB21, member RAS oncogene family	0.09357	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0149 99	RAB21	RAB21, member RAS oncogene family	0.335021	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0149 99	RAB21	RAB21, member RAS oncogene family	1.013979	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0149 99	RAB21	RAB21, member RAS oncogene family	1.186599	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1832 27	RAB23	RAB23, member RAS oncogene family	-1.394146	Inlier
siRNA Disorazole DMSO Run1	NM_1832 27	RAB23	RAB23, member RAS oncogene family	-0.800574	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1832 27	RAB23	RAB23, member RAS oncogene family	-0.548426	Inlier
siRNA Disorazole DMSO Run3	NM_1832 27	RAB23	RAB23, member RAS oncogene family	-0.088985	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1832 27	RAB23	RAB23, member RAS oncogene family	0.088985	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1832 27	RAB23	RAB23, member RAS oncogene family	0.122612	Inlier
siRNA Disorazole DMSO Run2	NM_1832 27	RAB23	RAB23, member RAS oncogene family	1.560193	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1832 27	RAB23	RAB23, member RAS oncogene family	2.029804	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_1307 81	RAB24	RAB24, member RAS oncogene family	-0.738684	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1307 81	RAB24	RAB24, member RAS oncogene family	-0.731161	Inlier
siRNA Disorazole DMSO Run1	NM_1307 81	RAB24	RAB24, member RAS oncogene family	-0.460786	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1307 81	RAB24	RAB24, member RAS oncogene family	-0.06213	Inlier
siRNA Disorazole DMSO Run3	NM_1307 81	RAB24	RAB24, member RAS oncogene family	0.06213	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1307 81	RAB24	RAB24, member RAS oncogene family	0.617839	Inlier
siRNA Disorazole DMSO Run2	NM_1307 81	RAB24	RAB24, member RAS oncogene family	0.980975	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1307 81	RAB24	RAB25, member RAS oncogene family	2.251122	Inlier
siRNA Disorazole DMSO Run1	NM_0203 87	RAB25	RAB25, member RAS oncogene family	-1.803347	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0203 87	RAB25	RAB25, member RAS oncogene family	-0.598377	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0203 87	RAB25	RAB25, member RAS oncogene family	-0.370224	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0203 87	RAB25	RAB25, member RAS oncogene family	-0.192275	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0203 87	RAB25	RAB25, member RAS oncogene family	0.192275	Inlier
siRNA Disorazole DMSO Run3	NM_0203 87	RAB25	RAB25, member RAS oncogene family	0.750623	Inlier
siRNA Disorazole DMSO Run2	NM_0203 87	RAB25	RAB25, member RAS oncogene family	1.863995	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0203 87	RAB25	RAB27A, member RAS oncogene family	1.998696	Inlier
siRNA Disorazole DMSO Run3	NM_1832 36	RAB27A	RAB27A, member RAS oncogene family	-0.825091	Inlier
siRNA Disorazole DMSO Run1	NM_1832 36	RAB27A	RAB27A, member RAS oncogene family	-0.750398	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1832 36	RAB27A	RAB27A, member RAS oncogene family	-0.654085	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1832 36	RAB27A	RAS oncogene family	-0.168408	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_1832 36	RAB27A	RAB27A, member RAS oncogene family	0.168408	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1832 36	RAB27A	RAB27A, member RAS oncogene family	0.309952	Inlier
siRNA Disorazole DMSO Run2	NM_1832 36	RAB27A	RAB27A, member RAS oncogene family	0.694915	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1832 36	RAB27A	RAB27A, member RAS oncogene family	1.012282	Inlier
siRNA Disorazole DMSO Run1	NM_0041 63	RAB27B	RAB27B, member RAS oncogene family	-0.93863	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0041 63	RAB27B	RAB27B, member RAS oncogene family	-0.849105	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0041 63	RAB27B	RAB27B, member RAS oncogene family	-0.492969	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0041 63	RAB27B	RAB27B, member RAS oncogene family	-0.321716	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0041 63	RAB27B	RAB27B, member RAS oncogene family	0.321716	Inlier
siRNA Disorazole DMSO Run3	NM_0041 63	RAB27B	RAB27B, member RAS oncogene family	0.499895	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0041 63	RAB27B	RAB27B, member RAS oncogene family	1.147365	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0041 63	RAB27B	RAB27B, member RAS oncogene family	1.380795	Inlier
siRNA Disorazole DMSO Run1	NM_0042 49	RAB28	RAB28, member RAS oncogene family	-5.145989	Outlier
siRNA-Temozolomide Run1- DMSO	NM_0042 49	RAB28	RAB28, member RAS oncogene family	-1.048954	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0042 49	RAB28	RAB28, member RAS oncogene family	-0.545281	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0042 49	RAB28	RAB28, member RAS oncogene family	-1.26E-05	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0042 49	RAB28	RAB28, member RAS oncogene family	1.08E-05	Inlier
siRNA Disorazole DMSO Run2	NM_0042 49	RAB28	RAB28, member RAS oncogene family	0.502978	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0042 49	RAB28	RAB28, member RAS oncogene family	0.803719	Inlier
siRNA Disorazole DMSO Run3	NM_0042 49	RAB28	RAS oncogene family	1.636053	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0328 46	RAB2B	RAB2B, member RAS oncogene family	-2.06814	Inlier
siRNA Disorazole DMSO Run1	NM_0328 46	RAB2B	RAB2B, member RAS oncogene family	-1.120705	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0328 46	RAB2B	RAB2B, member RAS oncogene family	-0.614407	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0328 46	RAB2B	RAB2B, member RAS oncogene family	-0.309664	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0328 46	RAB2B	RAB2B, member RAS oncogene family	0.309663	Inlier
siRNA Disorazole DMSO Run3	NM_0328 46	RAB2B	RAB2B, member RAS oncogene family	0.538815	Inlier
siRNA Disorazole DMSO Run2	NM_0328 46	RAB2B	RAB2B, member RAS oncogene family	0.734593	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0328 46	RAB2B	RAB30, member RAS oncogene family	1.682728	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0144 88	RAB30	RAB30, member RAS oncogene family	-1.031427	Inlier
siRNA Disorazole DMSO Run3	NM_0144 88	RAB30	RAB30, member RAS oncogene family	-0.367203	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0144 88	RAB30	RAB30, member RAS oncogene family	-0.30788	Inlier
siRNA Disorazole DMSO Run1	NM_0144 88	RAB30	RAB30, member RAS oncogene family	-0.245796	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0144 88	RAB30	RAB30, member RAS oncogene family	0.245796	Inlier
siRNA Disorazole DMSO Run2	NM_0144 88	RAB30	RAB30, member RAS oncogene family	0.981797	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0144 88	RAB30	RAB30, member RAS oncogene family	2.219115	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0144 88	RAB30	RAB30, member RAS oncogene family	2.430869	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0068 68	RAB31	RAB31, member RAS oncogene family	-2.525472	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0068 68	RAB31	RAB31, member RAS oncogene family	-0.879875	Inlier
siRNA Disorazole DMSO Run1	NM_0068 68	RAB31	RAB31, member RAS oncogene family	-0.146157	Inlier
siRNA Disorazole DMSO Run3	NM_0068 68	RAB31	RAB31, member RAS oncogene family	-0.06785	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_006868	RAB31	RAB31, member RAS oncogene family	0.06785	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006868	RAB31	RAB31, member RAS oncogene family	0.545367	Inlier
siRNA Disorazole DMSO Run2	NM_006868	RAB31	RAB31, member RAS oncogene family	0.803633	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006868	RAB31	RAB32, member RAS oncogene family	3.589875	Outlier
siRNA-Temozolomide Run1-DMSO	NM_006834	RAB32	RAB32, member RAS oncogene family	-1.988926	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006834	RAB32	RAB32, member RAS oncogene family	-0.628597	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006834	RAB32	RAB32, member RAS oncogene family	-0.34618	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006834	RAB32	RAB32, member RAS oncogene family	-0.27828	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006834	RAB32	RAB32, member RAS oncogene family	0.27828	Inlier
siRNA Disorazole DMSO Run1	NM_006834	RAB32	RAS oncogene family	0.720402	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0068 34	RAB32	RAB32, member RAS oncogene family	1.446363	Inlier
siRNA Disorazole DMSO Run2	NM_0068 34	RAB32	RAB32, member RAS oncogene family	1.631359	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0047 94	RAB33A	RAB33A, member RAS oncogene family	-2.796224	Inlier
siRNA Disorazole DMSO Run1	NM_0047 94	RAB33A	RAB33A, member RAS oncogene family	-0.677218	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0047 94	RAB33A	RAB33A, member RAS oncogene family	-0.545185	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0047 94	RAB33A	RAB33A, member RAS oncogene family	-0.320947	Inlier
siRNA Disorazole DMSO Run3	NM_0047 94	RAB33A	RAB33A, member RAS oncogene family	0.320945	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0047 94	RAB33A	RAB33A, member RAS oncogene family	0.671782	Inlier
siRNA Disorazole DMSO Run2	NM_0047 94	RAB33A	RAB33A, member RAS oncogene family	1.699797	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0047 94	RAB33A	RAB33A, member RAS oncogene family	2.659624	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0312 96	RAB33B	RAB33B, member RAS oncogene family	-1.332033	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0312 96	RAB33B	RAB33B, member RAS oncogene family	-0.678658	Inlier
siRNA Disorazole DMSO Run1	NM_0312 96	RAB33B	RAB33B, member RAS oncogene family	-0.63558	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0312 96	RAB33B	RAB33B, member RAS oncogene family	-0.002015	Inlier
siRNA Disorazole DMSO Run3	NM_0312 96	RAB33B	RAB33B, member RAS oncogene family	0.002015	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0312 96	RAB33B	RAB33B, member RAS oncogene family	0.670342	Inlier
siRNA Disorazole DMSO Run2	NM_0312 96	RAB33B	RAB33B, member RAS oncogene family	1.370517	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0312 96	RAB33B	RAB34, member RAS oncogene family	2.097946	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0319 34	RAB34	RAB34, member RAS oncogene family	-4.497844	Outlier
siRNA Disorazole DMSO Run3	NM_0319 34	RAB34	RAB34, member RAS oncogene family	-2.121773	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0319 34	RAB34	RAB34, member RAS oncogene family	-0.678704	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0319 34	RAB34	RAB34, member RAS oncogene family	-0.016714	Inlier
siRNA Disorazole DMSO Run2	NM_0319 34	RAB34	RAB34, member RAS oncogene family	0.016713	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0319 34	RAB34	RAB34, member RAS oncogene family	0.625407	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0319 34	RAB34	RAB34, member RAS oncogene family	0.670296	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0319 34	RAB34	RAB35, member RAS oncogene family	1.223386	Inlier
siRNA Disorazole DMSO Run3	NM_0068 61	RAB35	RAB35, member RAS oncogene family	-0.78998	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0068 61	RAB35	RAB35, member RAS oncogene family	-0.55902	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0068 61	RAB35	RAB35, member RAS oncogene family	-0.446941	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0068 61	RAB35	RAS oncogene family	-0.411126	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0068 61	RAB35	RAB35, member RAS oncogene family	0.411126	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0068 61	RAB35	RAB35, member RAS oncogene family	1.680436	Inlier
siRNA Disorazole DMSO Run2	NM_0068 61	RAB35	RAB35, member RAS oncogene family	5.483197	Outlier
siRNA-Vinblastine Run1- DMSO	NM_0068 61	RAB35	RAB35, member RAS oncogene family	8.903632	Outlier
siRNA Disorazole DMSO Run3	NM_0049 14	RAB36	RAB36, member RAS oncogene family	-1.687944	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0049 14	RAB36	RAB36, member RAS oncogene family	-1.155182	Inlier
siRNA Disorazole DMSO Run1	NM_0049 14	RAB36	RAB36, member RAS oncogene family	-0.117548	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0049 14	RAB36	RAB36, member RAS oncogene family	-0.11599	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0049 14	RAB36	RAB36, member RAS oncogene family	0.11599	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0049 14	RAB36	RAB36, member RAS oncogene family	0.56812	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0049 14	RAB36	RAB36, member RAS oncogene family	0.78088	Inlier
siRNA Disorazole DMSO Run2	NM_0049 14	RAB36	RAB36, member RAS oncogene family	0.803642	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1757 38	RAB37	RAB37, member RAS oncogene family	-2.299711	Inlier
siRNA Disorazole DMSO Run3	NM_1757 38	RAB37	RAB37, member RAS oncogene family	-1.519003	Inlier
siRNA Disorazole DMSO Run1	NM_1757 38	RAB37	RAB37, member RAS oncogene family	-0.532677	Inlier
siRNA Disorazole DMSO Run2	NM_1757 38	RAB37	RAB37, member RAS oncogene family	-0.186514	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1757 38	RAB37	RAB37, member RAS oncogene family	0.186514	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1757 38	RAB37	RAB37, member RAS oncogene family	0.53218	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1757 38	RAB37	RAB37, member RAS oncogene family	0.816323	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1757 38	RAB37	RAS oncogene family	1.036993	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0223 37	RAB38	RAB38, member RAS oncogene family	-2.785897	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0223 37	RAB38	RAB38, member RAS oncogene family	-1.765629	Inlier
siRNA Disorazole DMSO Run1	NM_0223 37	RAB38	RAB38, member RAS oncogene family	-0.634761	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0223 37	RAB38	RAB38, member RAS oncogene family	-0.258585	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0223 37	RAB38	RAB38, member RAS oncogene family	0.258585	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0223 37	RAB38	RAB38, member RAS oncogene family	0.559815	Inlier
siRNA Disorazole DMSO Run2	NM_0223 37	RAB38	RAB38, member RAS oncogene family	0.714239	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0223 37	RAB38	RAB39B, member RAS oncogene family	1.724927	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1719 98	RAB39B	RAB39B, member RAS oncogene family	-2.689179	Inlier
siRNA Disorazole DMSO Run3	NM_1719 98	RAB39B	RAB39B, member RAS oncogene family	-1.743203	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1719 98	RAB39B	RAB39B, member RAS oncogene family	-0.488607	Inlier
siRNA Disorazole DMSO Run2	NM_1719 98	RAB39B	RAB39B, member RAS oncogene family	-0.062028	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1719 98	RAB39B	RAB39B, member RAS oncogene family	0.062027	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1719 98	RAB39B	RAB39B, member RAS oncogene family	0.534037	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1719 98	RAB39B	RAB39B, member RAS oncogene family	0.814963	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1719 98	RAB39B	RAB3A, member RAS oncogene family	1.10579	Inlier
siRNA Disorazole DMSO Run1	NM_0028 66	RAB3A	RAB3A, member RAS oncogene family	-1.928376	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0028 66	RAB3A	RAB3A, member RAS oncogene family	-0.836789	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0028 66	RAB3A	RAB3A, member RAS oncogene family	-0.512211	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0028 66	RAB3A	RAS oncogene family	-0.017965	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0028 66	RAB3A	RAB3A, member RAS oncogene family	0.017965	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0028 66	RAB3A	RAB3A, member RAS oncogene family	0.35522	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0028 66	RAB3A	RAB3A, member RAS oncogene family	2.413133	Inlier
siRNA Disorazole DMSO Run2	NM_0028 66	RAB3A	RAB3A, member RAS oncogene family	3.121415	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0028 67	RAB3B	RAB3B, member RAS oncogene family	-2.555373	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0028 67	RAB3B	RAB3B, member RAS oncogene family	-0.798652	Inlier
siRNA Disorazole DMSO Run1	NM_0028 67	RAB3B	RAB3B, member RAS oncogene family	-0.550348	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0028 67	RAB3B	RAB3B, member RAS oncogene family	-0.414952	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0028 67	RAB3B	RAB3B, member RAS oncogene family	0.414952	Inlier
siRNA Disorazole DMSO Run3	NM_0028 67	RAB3B	RAB3B, member RAS oncogene family	0.531015	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0028 67	RAB3B	RAB3B, member RAS oncogene family	0.915331	Inlier
siRNA Disorazole DMSO Run2	NM_0028 67	RAB3B	RAB3B, member RAS oncogene family	2.538882	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1384 53	RAB3C	RAB3C, member RAS oncogene family	-4.061152	Outlier
siRNA-Temozolomide Run2-DMSO	NM_1384 53	RAB3C	RAB3C, member RAS oncogene family	-0.557464	Inlier
siRNA Disorazole DMSO Run3	NM_1384 53	RAB3C	RAB3C, member RAS oncogene family	-0.50682	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1384 53	RAB3C	RAB3C, member RAS oncogene family	-0.225097	Inlier
siRNA Disorazole DMSO Run1	NM_1384 53	RAB3C	RAB3C, member RAS oncogene family	0.225096	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1384 53	RAB3C	RAB3C, member RAS oncogene family	0.791536	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1384 53	RAB3C	RAB3C, member RAS oncogene family	3.039914	Inlier
siRNA Disorazole DMSO Run2	NM_1384 53	RAB3C	RAS oncogene family	5.429546	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0042 83	RAB3D	RAB3D, member RAS oncogene family	-4.644991	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0042 83	RAB3D	RAB3D, member RAS oncogene family	-0.449279	Inlier
siRNA Disorazole DMSO Run3	NM_0042 83	RAB3D	RAB3D, member RAS oncogene family	-0.327048	Inlier
siRNA Disorazole DMSO Run1	NM_0042 83	RAB3D	RAB3D, member RAS oncogene family	-0.089542	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0042 83	RAB3D	RAB3D, member RAS oncogene family	0.089541	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0042 83	RAB3D	RAB3D, member RAS oncogene family	0.899721	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0042 83	RAB3D	RAB3D, member RAS oncogene family	2.523257	Inlier
siRNA Disorazole DMSO Run2	NM_0042 83	RAB3D	RAB3D, member RAS oncogene family	6.584134	Outlier
siRNA-Vinblastine Run2-DMSO	NM_0808 79	RAB40A	RAB40A, member RAS oncogene family	-1.057823	Inlier
siRNA Disorazole DMSO Run3	NM_0808 79	RAB40A	RAB40A, member RAS oncogene family	-0.801073	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0808 79	RAB40A	RAB40A, member RAS oncogene family	-0.726112	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0808 79	RAB40A	RAB40A, member RAS oncogene family	-0.410849	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0808 79	RAB40A	RAB40A, member RAS oncogene family	0.410849	Inlier
siRNA Disorazole DMSO Run2	NM_0808 79	RAB40A	RAB40A, member RAS oncogene family	0.429542	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0808 79	RAB40A	RAB40A, member RAS oncogene family	0.622888	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0808 79	RAB40A	RAB40B, member RAS oncogene family	0.985301	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0068 22	RAB40B	RAB40B, member RAS oncogene family	-0.752618	Inlier
siRNA Disorazole DMSO Run1	NM_0068 22	RAB40B	RAB40B, member RAS oncogene family	-0.713129	Inlier
siRNA Disorazole DMSO Run3	NM_0068 22	RAB40B	RAB40B, member RAS oncogene family	-0.635871	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0068 22	RAB40B	RAS oncogene family	-0.452637	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0068 22	RAB40B	RAB40B, member RAS oncogene family	0.452637	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0068 22	RAB40B	RAB40B, member RAS oncogene family	0.485339	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0068 22	RAB40B	RAB40B, member RAS oncogene family	2.392658	Inlier
siRNA Disorazole DMSO Run2	NM_0068 22	RAB40B	RAB40C, member RAS oncogene family	2.830347	Inlier
siRNA Disorazole DMSO Run1	NM_0211 68	RAB40C	RAB40C, member RAS oncogene family	-0.700808	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0211 68	RAB40C	RAB40C, member RAS oncogene family	-0.648192	Inlier
siRNA Disorazole DMSO Run3	NM_0211 68	RAB40C	RAB40C, member RAS oncogene family	-0.552871	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0211 68	RAB40C	RAB40C, member RAS oncogene family	-0.161679	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0211 68	RAB40C	RAB40C, member RAS oncogene family	0.161679	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0211 68	RAB40C	RAB40C, member RAS oncogene family	1.314867	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0211 68	RAB40C	RAB40C, member RAS oncogene family	3.039823	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0211 68	RAB40C	RAB40C, member RAS oncogene family	4.206178	Outlier
siRNA-Temozolomide Run3- DMSO	NM_0045 78	RAB4A	RAB4A, member RAS oncogene family	-0.693061	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0045 78	RAB4A	RAB4A, member RAS oncogene family	-0.655939	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0045 78	RAB4A	RAB4A, member RAS oncogene family	-0.087332	Inlier
siRNA Disorazole DMSO Run1	NM_0045 78	RAB4A	RAB4A, member RAS oncogene family	-0.084861	Inlier
siRNA Disorazole DMSO Run3	NM_0045 78	RAB4A	RAB4A, member RAS oncogene family	0.084861	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0045 78	RAB4A	RAB4A, member RAS oncogene family	1.011122	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0045 78	RAB4A	RAB4A, member RAS oncogene family	2.058699	Inlier
siRNA Disorazole DMSO Run2	NM_0045 78	RAB4A	RAB4A, member RAS oncogene family	2.48989	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0161 54	RAB4B	RAB4B, member RAS oncogene family	-1.151487	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0161 54	RAB4B	RAB4B, member RAS oncogene family	-0.801982	Inlier
siRNA Disorazole DMSO Run1	NM_0161 54	RAB4B	RAB4B, member RAS oncogene family	-0.547018	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0161 54	RAB4B	RAB4B, member RAS oncogene family	-0.428681	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0161 54	RAB4B	RAB4B, member RAS oncogene family	0.428681	Inlier
siRNA Disorazole DMSO Run3	NM_0161 54	RAB4B	RAB4B, member RAS oncogene family	0.495939	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0161 54	RAB4B	RAB4B, member RAS oncogene family	2.397931	Inlier
siRNA Disorazole DMSO Run2	NM_0161 54	RAB4B	RAB4B, member RAS oncogene family	2.606282	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0041 62	RAB5A	RAB5A, member RAS oncogene family	-1.557296	Inlier
siRNA Disorazole DMSO Run3	NM_0041 62	RAB5A	RAB5A, member RAS oncogene family	-1.322862	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0041 62	RAB5A	RAB5A, member RAS oncogene family	-1.286668	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0041 62	RAB5A	RAB5A, member RAS oncogene family	-0.081834	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0041 62	RAB5A	RAB5A, member RAS oncogene family	0.081835	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0041 62	RAB5A	RAB5A, member RAS oncogene family	0.198717	Inlier
siRNA Disorazole DMSO Run2	NM_0041 62	RAB5A	RAB5A, member RAS oncogene family	0.288662	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0041 62	RAB5A	RAB5B, member RAS oncogene family	1.060338	Inlier
siRNA Disorazole DMSO Run3	NM_0028 68	RAB5B	RAB5B, member RAS oncogene family	-1.07152	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0028 68	RAB5B	RAB5B, member RAS oncogene family	-0.987549	Inlier
siRNA Disorazole DMSO Run2	NM_0028 68	RAB5B	RAB5B, member RAS oncogene family	-0.651	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0028 68	RAB5B	RAB5B, member RAS oncogene family	-0.509991	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0028 68	RAB5B	RAB5B, member RAS oncogene family	0.509991	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0028 68	RAB5B	RAB5B, member RAS oncogene family	0.54854	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0028 68	RAB5B	RAB5B, member RAS oncogene family	0.698	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0028 68	RAB5B	RAB5C, member RAS oncogene family	0.801572	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0045 83	RAB5C	RAB5C, member RAS oncogene family	-0.78484	Inlier
siRNA Disorazole DMSO Run1	NM_0045 83	RAB5C	RAB5C, member RAS oncogene family	-0.56416	Inlier
siRNA Disorazole DMSO Run3	NM_0045 83	RAB5C	RAB5C, member RAS oncogene family	-0.37199	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0045 83	RAB5C	RAB5C, member RAS oncogene family	-0.147673	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0045 83	RAB5C	RAB5C, member RAS oncogene family	0.147673	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0045 83	RAB5C	RAS oncogene family	0.966312	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0045 83	RAB5C	RAB5C, member RAS oncogene family	1.88172	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0045 83	RAB5C	RAB5C, member RAS oncogene family	2.010625	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1988 96	RAB6A	RAB6A, member RAS oncogene family	-1.429366	Inlier
siRNA Disorazole DMSO Run1	NM_1988 96	RAB6A	RAB6A, member RAS oncogene family	-0.80029	Inlier
siRNA Disorazole DMSO Run3	NM_1988 96	RAB6A	RAB6A, member RAS oncogene family	-0.54871	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1988 96	RAB6A	RAB6A, member RAS oncogene family	-0.395647	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1988 96	RAB6A	RAB6A, member RAS oncogene family	0.395647	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1988 96	RAB6A	RAB6A, member RAS oncogene family	0.424759	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1988 96	RAB6A	RAB6A, member RAS oncogene family	4.893447	Outlier
siRNA Disorazole DMSO Run2	NM_1988 96	RAB6A	RAB6A, member RAS oncogene family	5.517424	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0165 77	RAB6B	RAB6B, member RAS oncogene family	-2.744427	Inlier
siRNA Disorazole DMSO Run3	NM_0165 77	RAB6B	RAB6B, member RAS oncogene family	-2.24711	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0165 77	RAB6B	RAB6B, member RAS oncogene family	-1.80964	Inlier
siRNA Disorazole DMSO Run2	NM_0165 77	RAB6B	RAB6B, member RAS oncogene family	-0.188102	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0165 77	RAB6B	RAB6B, member RAS oncogene family	0.188102	Inlier
siRNA Disorazole DMSO Run1	NM_0165 77	RAB6B	RAB6B, member RAS oncogene family	0.450458	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0165 77	RAB6B	RAB6B, member RAS oncogene family	0.550407	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0165 77	RAB6B	RAB6C, member RAS oncogene family	0.798593	Inlier
siRNA Disorazole DMSO Run3	NM_0321 44	RAB6C	RAB6C, member RAS oncogene family	-2.182785	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0321 44	RAB6C	RAB6C, member RAS oncogene family	-0.883507	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0321 44	RAB6C	RAB6C, member RAS oncogene family	-0.491308	Inlier
siRNA Disorazole DMSO Run2	NM_0321 44	RAB6C	RAB6C, member RAS oncogene family	-0.368665	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0321 44	RAB6C	RAB6C, member RAS oncogene family	0.368665	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0321 44	RAB6C	RAB6C, member RAS oncogene family	0.622747	Inlier
siRNA Disorazole DMSO Run1	NM_0321 44	RAB6C	RAB6C, member RAS oncogene family	0.726253	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0321 44	RAB6C	RAB6C, member RAS oncogene family	2.498928	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0039 29	RAB7L1	RAB7, member RAS oncogene family-like 1	-0.911847	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0039 29	RAB7L1	RAB7, member RAS oncogene family-like 1	-0.722909	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0039 29	RAB7L1	RAB7, member RAS oncogene family-like 1	-0.662589	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0039 29	RAB7L1	RAB7, member RAS oncogene family-like 1	-0.337968	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0039 29	RAB7L1	RAB7, member RAS oncogene family-like 1	0.337968	Inlier
siRNA Disorazole DMSO Run1	NM_0039 29	RAB7L1	RAB7, member RAS oncogene family-like 1	0.592185	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0039 29	RAB7L1	RAB7, member RAS oncogene family-like 1	0.686411	Inlier
siRNA Disorazole DMSO Run2	NM_0039 29	RAB7L1	RAB7, member RAS oncogene family-like 1	0.922113	Inlier
siRNA Disorazole DMSO Run1	NM_0053 70	RAB8A	RAB8A, member RAS oncogene family RAB8A, member RAS	-2.124795	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0053 70	RAB8A	RAB8A, member RAS oncogene family RAB8A, member RAS	-0.931897	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0053 70	RAB8A	RAB8A, member RAS oncogene family RAB8A, member RAS	-0.928298	Inlier
siRNA Disorazole DMSO Run3	NM_0053 70	RAB8A	RAB8A, member RAS oncogene family	-0.091822	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0053 70	RAB8A	RAB8A, member RAS oncogene family	0.091822	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0053 70	RAB8A	RAB8A, member RAS oncogene family	0.125841	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0053 70	RAB8A	RAB8A, member RAS oncogene family	0.50314	Inlier
siRNA Disorazole DMSO Run2	NM_0053 70	RAB8A	RAB8A, member RAS oncogene family	0.84586	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0165 30	RAB8B	RAB8B, member RAS oncogene family	-1.962857	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0165 30	RAB8B	RAB8B, member RAS oncogene family	-1.27682	Inlier
siRNA Disorazole DMSO Run3	NM_0165 30	RAB8B	RAB8B, member RAS oncogene family	-0.977462	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0165 30	RAB8B	RAB8B, member RAS oncogene family	-0.16249	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0165 30	RAB8B	RAB8B, member RAS oncogene family	0.16249	Inlier
siRNA Disorazole DMSO Run1	NM_0165 30	RAB8B	RAB8B, member RAS oncogene family	0.324698	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0165 30	RAB8B	RAB8B, member RAS oncogene family	0.371538	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0165 30	RAB8B	RAB8B, member RAS oncogene family	1.162633	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0042 51	RAB9A	RAB9A, member RAS oncogene family	-1.319624	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0042 51	RAB9A	RAB9A, member RAS oncogene family	-0.772585	Inlier
siRNA Disorazole DMSO Run3	NM_0042 51	RAB9A	RAB9A, member RAS oncogene family	-0.576415	Inlier
siRNA Disorazole DMSO Run1	NM_0042 51	RAB9A	RAB9A, member RAS oncogene family	-0.15869	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0042 51	RAB9A	RAB9A, member RAS oncogene family	0.15869	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0042 51	RAB9A	RAB9A, member RAS oncogene family	0.368185	Inlier
siRNA Disorazole DMSO Run2	NM_0042 51	RAB9A	RAB9A, member RAS oncogene family	1.532477	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0042 51	RAB9A	RAB9A, member RAS oncogene family	2.437346	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0163 70	RAB9B	RAB9B, member RAS oncogene family	-2.710899	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0163 70	RAB9B	RAB9B, member RAS oncogene family	-2.440484	Inlier
siRNA Disorazole DMSO Run1	NM_0163 70	RAB9B	RAB9B, member RAS oncogene family	-1.486631	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0163 70	RAB9B	RAB9B, member RAS oncogene family	-0.029899	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0163 70	RAB9B	RAB9B, member RAS oncogene family	0.029899	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0163 70	RAB9B	RAB9B, member RAS oncogene family	0.04305	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0163 70	RAB9B	RAB9B, member RAS oncogene family	0.274529	Inlier
siRNA Disorazole DMSO Run2	NM_0163 70	RAB9B	RAB guanine nucleotide exchange factor	1.074471	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0145 04	RABGEF1	(GEF) 1 RAB guanine nucleotide exchange factor	-1.843293	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0145 04	RABGEF1	(GEF) 1	-0.221736	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log Fold Change	Outlier Status
siRNA-Temozolomide Run1-DMSO	NM_014504	RABGEF1	RAB guanine nucleotide exchange factor (GEF) 1	-0.047133	Inlier
siRNA-Vinblastine Run2-DMSO	NM_014504	RABGEF1	RAB guanine nucleotide exchange factor (GEF) 1	-0.015858	Inlier
siRNA Disorazole DMSO Run3	NM_014504	RABGEF1	RAB guanine nucleotide exchange factor (GEF) 1	0.015859	Inlier
siRNA Disorazole DMSO Run1	NM_014504	RABGEF1	RAB guanine nucleotide exchange factor (GEF) 1	1.127264	Inlier
siRNA Disorazole DMSO Run2	NM_014504	RABGEF1	RAB guanine nucleotide exchange factor (GEF) 1	2.443736	Inlier
siRNA-Vinblastine Run1-DMSO	NM_014504	RABGEF1	Rab geranylgeranyltransferase, alpha subunit	3.48343	Inlier
siRNA Disorazole DMSO Run3	NM_182836	RABGGT A	Rab geranylgeranyltransferase, alpha subunit	-0.988777	Inlier
siRNA-Vinblastine Run2-DMSO	NM_182836	RABGGT A	Rab geranylgeranyltransferase, alpha subunit	-0.763387	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Accession	Protein Name	Log Fold Change	Category
siRNA-Temozolomide Run2-DMSO	NM_182836	RABGGT A	Rab geranylgeranyltransferase, alpha subunit	-0.585613	Inlier
siRNA-Temozolomide Run3-DMSO	NM_182836	RABGGT A	Rab geranylgeranyltransferase, alpha subunit	-0.052888	Inlier
siRNA Disorazole DMSO Run1	NM_182836	RABGGT A	Rab geranylgeranyltransferase, alpha subunit	0.052888	Inlier
siRNA-Temozolomide Run1-DMSO	NM_182836	RABGGT A	Rab geranylgeranyltransferase, alpha subunit	0.161007	Inlier
siRNA-Vinblastine Run1-DMSO	NM_182836	RABGGT A	Rab geranylgeranyltransferase, alpha subunit	3.931888	Outlier
siRNA Disorazole DMSO Run2	NM_182836	RABGGT A	Rab geranylgeranyltransferase, alpha subunit	4.541155	Outlier
siRNA Disorazole DMSO Run1	NM_004582	RABGGT B	Rab geranylgeranyltransferase, beta subunit	-1.850669	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004582	RABGGT B	Rab geranylgeranyltransferase, beta subunit	-1.157287	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_004582	RABGGTB	Rab geranylgeranyltransferase, beta subunit	-0.863674	Inlier
siRNA Disorazole DMSO Run3	NM_004582	RABGGTB	Rab geranylgeranyltransferase, beta subunit	-0.07521	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004582	RABGGTB	Rab geranylgeranyltransferase, beta subunit	0.075211	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004582	RABGGTB	Rab geranylgeranyltransferase, beta subunit	0.131074	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004582	RABGGTB	Rab geranylgeranyltransferase, beta subunit	0.485326	Inlier
siRNA Disorazole DMSO Run2	NM_004582	RABGGTB	Rab geranylgeranyltransferase, beta subunit	2.99042	Inlier
siRNA-Vinblastine Run2-DMSO	NM_007081	RABL2B	RAB, member of RAS oncogene family-like 2B	-1.952272	Inlier
siRNA Disorazole DMSO Run3	NM_007081	RABL2B	RAB, member of RAS oncogene family-like 2B	-1.917479	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0070 81	RABL2B	RAB, member of RAS oncogene family-like 2B	-0.656747	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0070 81	RABL2B	RAB, member of RAS oncogene family-like 2B	-0.112371	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0070 81	RABL2B	RAB, member of RAS oncogene family-like 2B	0.112372	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0070 81	RABL2B	RAB, member of RAS oncogene family-like 2B	0.638349	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0070 81	RABL2B	RAB, member of RAS oncogene family-like 2B	0.692253	Inlier
siRNA Disorazole DMSO Run2	NM_0070 81	RABL2B	RAB, member of RAS oncogene family-like 2B	1.26731	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0068 60	RABL4	RAB, member of RAS oncogene family-like 4	-0.943539	Inlier
siRNA Disorazole DMSO Run3	NM_0068 60	RABL4	RAB, member of RAS oncogene family-like 4	-0.837817	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0068 60	RABL4	RAB, member of RAS oncogene family-like 4	-0.420057	Inlier
siRNA Disorazole DMSO Run1	NM_0068 60	RABL4	RAB, member of RAS oncogene family-like 4	-0.035693	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0068 60	RABL4	RAB, member of RAS oncogene family-like 4	0.035693	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0068 60	RABL4	RAB, member of RAS oncogene family-like 4	0.511183	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0068 60	RABL4	RAB, member of RAS oncogene family-like 4	1.064321	Inlier
siRNA Disorazole DMSO Run2	NM_0068 60	RABL4	RAB, member of RAS oncogene family-like 4	1.499728	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1988 29	RAC1	ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1)	-0.735609	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_1988 29	RAC1	ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1)	-0.613391	Inlier
siRNA Disorazole DMSO Run1	NM_1988 29	RAC1	ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1)	-0.232257	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1988 29	RAC1	ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1)	-0.149221	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1988 29	RAC1	ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1)	0.149221	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_1988 29	RAC1	ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1)	1.730226	Inlier
siRNA Disorazole DMSO Run2	NM_1988 29	RAC1	ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1)	3.179879	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1988 29	RAC1	ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1)	3.258521	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0028 72	RAC2	ras-related C3 botulinum toxin substrate 2 (rho family, small GTP binding protein Rac2)	-3.701667	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0028 72	RAC2	ras-related C3 botulinum toxin substrate 2 (rho family, small GTP binding protein Rac2)	-1.679094	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0028 72	RAC2	ras-related C3 botulinum toxin substrate 2 (rho family, small GTP binding protein Rac2)	-0.746466	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0028 72	RAC2	ras-related C3 botulinum toxin substrate 2 (rho family, small GTP binding protein Rac2)	-0.35471	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0028 72	RAC2	ras-related C3 botulinum toxin substrate 2 (rho family, small GTP binding protein Rac2)	0.35471	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0028 72	RAC2	ras-related C3 botulinum toxin substrate 2 (rho family, small GTP binding protein Rac2)	0.519406	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0028 72	RAC2	ras-related C3 botulinum toxin substrate 2 (rho family, small GTP binding protein Rac2)	0.602534	Inlier
siRNA Disorazole DMSO Run2	NM_0028 72	RAC2	ras-related C3 botulinum toxin substrate 2 (rho family, small GTP binding protein Rac2)	1.532207	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0050 52	RAC3	ras-related C3 botulinum toxin substrate 3 (rho family, small GTP binding protein Rac3)	-1.264973	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0050 52	RAC3	ras-related C3 botulinum toxin substrate 3 (rho family, small GTP binding protein Rac3)	-0.637049	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0050 52	RAC3	ras-related C3 botulinum toxin substrate 3 (rho family, small GTP binding protein Rac3)	-0.531341	Inlier
siRNA Disorazole DMSO Run1	NM_0050 52	RAC3	ras-related C3 botulinum toxin substrate 3 (rho family, small GTP binding protein Rac3)	-0.183969	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0050 52	RAC3	ras-related C3 botulinum toxin substrate 3 (rho family, small GTP binding protein Rac3)	0.183968	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_005052	RAC3	ras-related C3 botulinum toxin substrate 3 (rho family, small GTP binding protein Rac3)	0.711951	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005052	RAC3	ras-related C3 botulinum toxin substrate 3 (rho family, small GTP binding protein Rac3)	0.836935	Inlier
siRNA Disorazole DMSO Run2	NM_005052	RAC3	ras-related C3 botulinum toxin substrate 3 (rho family, small GTP binding protein Rac3)	2.724592	Inlier
siRNA-Temozolomide Run2-DMSO	NM_013277	RACGAP1	Rac GTPase activating protein 1	-1.155697	Inlier
siRNA-Temozolomide Run1-DMSO	NM_013277	RACGAP1	Rac GTPase activating protein 1	-0.727857	Inlier
siRNA-Temozolomide Run3-DMSO	NM_013277	RACGAP1	Rac GTPase activating protein 1	-0.657471	Inlier
siRNA-Vinblastine Run2-DMSO	NM_013277	RACGAP1	Rac GTPase activating protein 1	-0.221168	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0132 77	RACGAP1	Rac GTPase activating protein 1	0.221168	Inlier
siRNA Disorazole DMSO Run3	NM_0132 77	RACGAP1	Rac GTPase activating protein 1	0.501947	Inlier
siRNA Disorazole DMSO Run1	NM_0132 77	RACGAP1	Rac GTPase activating protein 1	0.691529	Inlier
siRNA Disorazole DMSO Run2	NM_0132 77	RACGAP1	Rac GTPase activating protein 1	1.174311	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1334 82	RAD50	RAD50 homolog (S. cerevisiae)	-1.597862	Inlier
siRNA Disorazole DMSO Run1	NM_1334 82	RAD50	RAD50 homolog (S. cerevisiae)	-0.509072	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1334 82	RAD50	RAD50 homolog (S. cerevisiae)	-0.432832	Inlier
siRNA Disorazole DMSO Run2	NM_1334 82	RAD50	RAD50 homolog (S. cerevisiae)	-0.378118	Inlier
siRNA Disorazole DMSO Run3	NM_1334 82	RAD50	RAD50 homolog (S. cerevisiae)	0.378118	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1334 82	RAD50	RAD50 homolog (S. cerevisiae)	0.839928	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1334 82	RAD50	RAD50 homolog (S. cerevisiae)	1.513937	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_133482	RAF1	RAD50 homolog (S. cerevisiae)	1.696078	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002880	RAF1	v-raf-1 murine leukemia viral oncogene homolog 1	-0.740005	Inlier
siRNA Disorazole DMSO Run2	NM_002880	RAF1	v-raf-1 murine leukemia viral oncogene homolog 1	-0.608994	Inlier
siRNA Disorazole DMSO Run3	NM_002880	RAF1	v-raf-1 murine leukemia viral oncogene homolog 1	-0.189966	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002880	RAF1	v-raf-1 murine leukemia viral oncogene homolog 1	-0.108596	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002880	RAF1	v-raf-1 murine leukemia viral oncogene homolog 1	0.108596	Inlier
siRNA Disorazole DMSO Run1	NM_002880	RAF1	v-raf-1 murine leukemia viral oncogene homolog 1	2.275172	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0028 80	RAF1	v-raf-1 murine leukemia viral oncogene homolog 1	2.529948	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0028 80	RAF1	v-raf-1 murine leukemia viral oncogene homolog 1	4.334682	Outlier
siRNA Disorazole DMSO Run3	NM_0004 48	RAG1	recombina tion activating gene 1	-1.321125	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0004 48	RAG1	recombina tion activating gene 1	-1.025266	Inlier
siRNA Disorazole DMSO Run1	NM_0004 48	RAG1	recombina tion activating gene 1	-0.890193	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0004 48	RAG1	recombina tion activating gene 1	-0.045315	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0004 48	RAG1	recombina tion activating gene 1	0.045314	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0004 48	RAG1	recombina tion activating gene 1	0.135458	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0004 48	RAG1	recombina tion activating gene 1	0.48626	Inlier
siRNA Disorazole DMSO Run2	NM_0004 48	RAG1	recombina tion activating gene 1	0.86274	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0005 36	RAG2	activating gene 2	-0.789834	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0005 36	RAG2	recombina tion activating gene 2	-0.701122	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0005 36	RAG2	recombina tion activating gene 2	-0.447969	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0005 36	RAG2	recombina tion activating gene 2	-0.327071	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0005 36	RAG2	recombina tion activating gene 2	0.327071	Inlier
siRNA Disorazole DMSO Run1	NM_0005 36	RAG2	recombina tion activating gene 2	0.647878	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0005 36	RAG2	recombina tion activating gene 2	0.7759	Inlier
siRNA Disorazole DMSO Run2	NM_0005 36	RAG2	recombina tion activating gene 2	0.984186	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0142 26	RAGE	renal tumor antigen	-1.300538	Inlier
siRNA Disorazole DMSO Run3	NM_0142 26	RAGE	renal tumor antigen	-0.856996	Inlier
siRNA Disorazole DMSO Run2	NM_0142 26	RAGE	renal tumor antigen	-0.492004	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0142 26	RAGE	renal tumor antigen	-0.246932	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0142 26	RAGE	renal tumor antigen	0.246932	Inlier
siRNA Disorazole DMSO Run1	NM_0142 26	RAGE	renal tumor antigen	0.428393	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0142 26	RAGE	renal tumor antigen	1.729165	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0142 26	RAGE	renal tumor antigen	2.102228	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0039 79	RAI3	G protein-coupled receptor, family C, group 5, member A	-0.84899	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0039 79	RAI3	G protein-coupled receptor, family C, group 5, member A	-0.50001	Inlier
siRNA Disorazole DMSO Run2	NM_0039 79	RAI3	G protein-coupled receptor, family C, group 5, member A	-0.400234	Inlier
siRNA Disorazole DMSO Run3	NM_0039 79	RAI3	G protein-coupled receptor, family C, group 5, member A	-0.100401	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0039 79	RAI3	G protein-coupled receptor, family C, group 5, member A	0.100401	Inlier
siRNA Disorazole DMSO Run1	NM_0039 79	RAI3	G protein-coupled receptor, family C, group 5, member A	1.551934	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0039 79	RAI3	G protein-coupled receptor, family C, group 5, member A	2.267155	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_003979	RAI3	G protein-coupled receptor, family C, group 5, member A	2.347311	Inlier
siRNA Disorazole DMSO Run1	NM_005402	RALA	v-ral simian leukemia viral oncogene homolog A (ras related)	-1.699237	Inlier
siRNA Disorazole DMSO Run3	NM_005402	RALA	v-ral simian leukemia viral oncogene homolog A (ras related)	-1.376117	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005402	RALA	v-ral simian leukemia viral oncogene homolog A (ras related)	-0.781743	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005402	RALA	v-ral simian leukemia viral oncogene homolog A (ras related)	-0.239314	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005402	RALA	v-ral simian leukemia viral oncogene homolog A (ras related)	0.239317	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_005402	RALA	v-ral simian leukemia viral oncogene homolog A (ras related)	0.477594	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005402	RALA	v-ral simian leukemia viral oncogene homolog A (ras related)	0.567257	Inlier
siRNA Disorazole DMSO Run2	NM_005402	RALA	v-ral simian leukemia viral oncogene homolog A (ras related)	5.113845	Outlier
siRNA Disorazole DMSO Run1	NM_002881	RALB	v-ral simian leukemia viral oncogene homolog B (ras related; GTP binding protein)	-0.73301	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002881	RALB	v-ral simian leukemia viral oncogene homolog B (ras related; GTP binding protein)	-0.61599	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0028 81	RALB	v-ral simian leukemia viral oncogene homolog B (ras related; GTP binding protein)	-0.536487	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0028 81	RALB	v-ral simian leukemia viral oncogene homolog B (ras related; GTP binding protein)	-0.406092	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0028 81	RALB	v-ral simian leukemia viral oncogene homolog B (ras related; GTP binding protein)	0.406092	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0028 81	RALB	v-ral simian leukemia viral oncogene homolog B (ras related; GTP binding protein)	0.759923	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Score	Outlier
siRNA Disorazole DMSO Run2	NM_0028 81	RALB	v-ral simian leukemia viral oncogene homolog B (ras related; GTP binding protein)	2.393975	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0028 81	RALB	v-ral simian leukemia viral oncogene homolog B (ras related; GTP binding protein)	2.690596	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0067 88	RALBP1	ralA binding protein 1	-1.637589	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0067 88	RALBP1	ralA binding protein 1	-1.505867	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0067 88	RALBP1	ralA binding protein 1	-0.859248	Inlier
siRNA Disorazole DMSO Run1	NM_0067 88	RALBP1	ralA binding protein 1	-0.010535	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0067 88	RALBP1	ralA binding protein 1	0.010536	Inlier
siRNA Disorazole DMSO Run3	NM_0067 88	RALBP1	ralA binding protein 1	0.467455	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0067 88	RALBP1	ralA binding protein 1	0.489753	Inlier
siRNA Disorazole DMSO Run2	NM_0067 88	RALBP1	ral binding protein 1	0.910296	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0062 66	RALGDS	ral guanine nucleotide dissociatio n stimulator	-1.111528	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_006266	RALGDS	ral guanine nucleotide dissociation stimulator	-0.760842	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006266	RALGDS	ral guanine nucleotide dissociation stimulator	-0.543584	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006266	RALGDS	ral guanine nucleotide dissociation stimulator	-0.165912	Inlier
siRNA Disorazole DMSO Run3	NM_006266	RALGDS	ral guanine nucleotide dissociation stimulator	0.165912	Inlier
siRNA Disorazole DMSO Run1	NM_006266	RALGDS	ral guanine nucleotide dissociation stimulator	0.588158	Inlier
siRNA Disorazole DMSO Run2	NM_006266	RALGDS	ral guanine nucleotide dissociation stimulator	0.808849	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006266	RALGDS	ral guanine nucleotide dissociation stimulator	0.852036	Inlier
siRNA-Temozolomide Run3-DMSO	NM_152663	RALGPS2	Ral GEF with PH domain and SH3 binding motif 2	-2.685457	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_152663	RALGPS2	Ral GEF with PH domain and SH3 binding motif 2	-0.69448	Inlier
siRNA-Temozolomide Run1-DMSO	NM_152663	RALGPS2	Ral GEF with PH domain and SH3 binding motif 2	-0.539183	Inlier
siRNA Disorazole DMSO Run3	NM_152663	RALGPS2	Ral GEF with PH domain and SH3 binding motif 2	-0.535449	Inlier
siRNA-Temozolomide Run2-DMSO	NM_152663	RALGPS2	Ral GEF with PH domain and SH3 binding motif 2	0.535449	Inlier
siRNA Disorazole DMSO Run1	NM_152663	RALGPS2	Ral GEF with PH domain and SH3 binding motif 2	0.654519	Inlier
siRNA Disorazole DMSO Run2	NM_152663	RALGPS2	Ral GEF with PH domain and SH3 binding motif 2	2.19915	Inlier
siRNA-Vinblastine Run1-DMSO	NM_152663	RALGPS2	Ral GEF with PH domain and SH3 binding motif 2	2.775055	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005855	RAMP1	receptor (calcitonin) activity modifying protein 1	-2.009495	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005855	RAMP1	receptor (calcitonin) activity modifying protein 1	-0.895494	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Activity	Value	Outlier Status
siRNA-Temozolomide Run1-DMSO	NM_005855	RAMP1	receptor (calcitonin) activity modifying protein 1	-0.427232	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005855	RAMP1	receptor (calcitonin) activity modifying protein 1	-0.050293	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005855	RAMP1	receptor (calcitonin) activity modifying protein 1	0.050293	Inlier
siRNA Disorazole DMSO Run1	NM_005855	RAMP1	receptor (calcitonin) activity modifying protein 1	0.453506	Inlier
siRNA Disorazole DMSO Run3	NM_005855	RAMP1	receptor (calcitonin) activity modifying protein 1	1.105294	Inlier
siRNA Disorazole DMSO Run2	NM_005855	RAMP1	receptor (calcitonin) activity modifying protein 1	4.013348	Outlier
siRNA-Vinblastine Run2-DMSO	NM_005854	RAMP2	receptor (calcitonin) activity modifying protein 2	-3.08714	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005854	RAMP2	receptor (calcitonin) activity modifying protein 2	-1.306634	Inlier
siRNA Disorazole DMSO Run3	NM_005854	RAMP2	receptor (calcitonin) activity modifying protein 2	-0.570096	Inlier
siRNA Disorazole DMSO Run1	NM_005854	RAMP2	receptor (calcitonin) activity modifying protein 2	-0.166131	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0058 54	RAMP2	receptor (calcitonin) activity modifying protein 2	0.166131	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0058 54	RAMP2	receptor (calcitonin) activity modifying protein 2	0.391567	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0058 54	RAMP2	receptor (calcitonin) activity modifying protein 2	0.778904	Inlier
siRNA Disorazole DMSO Run2	NM_0058 54	RAMP2	receptor (calcitonin) activity modifying protein 2	2.083574	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0058 56	RAMP3	receptor (calcitonin) activity modifying protein 3	-0.787047	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0058 56	RAMP3	receptor (calcitonin) activity modifying protein 3	-0.730434	Inlier
siRNA Disorazole DMSO Run1	NM_0058 56	RAMP3	receptor (calcitonin) activity modifying protein 3	-0.618566	Inlier
siRNA Disorazole DMSO Run3	NM_0058 56	RAMP3	receptor (calcitonin) activity modifying protein 3	-0.099045	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0058 56	RAMP3	receptor (calcitonin) activity modifying protein 3	0.099044	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0058 56	RAMP3	receptor (calcitonin) activity modifying protein 3	0.397208	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Function	Score	Category
siRNA-Vinblastine Run1-DMSO	NM_0058 56	RAMP3	receptor (calcitonin) activity modifying protein 3	0.874087	Inlier
siRNA Disorazole DMSO Run2	NM_0058 56	RAMP3	receptor (calcitonin) activity modifying protein 3	0.956678	Inlier
siRNA Disorazole DMSO Run1	NM_0063 25	RAN	RAN, member RAS oncogene family	-0.825114	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0063 25	RAN	RAN, member RAS oncogene family	-0.523886	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0063 25	RAN	RAN, member RAS oncogene family	-0.381469	Inlier
siRNA Disorazole DMSO Run3	NM_0063 25	RAN	RAN, member RAS oncogene family	-0.256529	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0063 25	RAN	RAN, member RAS oncogene family	0.256529	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0063 25	RAN	RAN, member RAS oncogene family	2.153487	Inlier
siRNA Disorazole DMSO Run2	NM_0063 25	RAN	RAN, member RAS oncogene family	15.57456	Outlier
siRNA-Vinblastine Run1-DMSO	NM_0063 25	RAN	RAN, member RAS oncogene family	15.93259	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology	Gene ID	Target	Gene Name	Value	Category
siRNA-Temozolomide Run3-DMSO	NM_0062 67	RANBP2	RAN binding protein 2	-0.823092	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0062 67	RANBP2	RAN binding protein 2	-0.525908	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0062 67	RANBP2	RAN binding protein 2	-0.413077	Inlier
siRNA Disorazole DMSO Run3	NM_0062 67	RANBP2	RAN binding protein 2	-0.199705	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0062 67	RANBP2	RAN binding protein 2	0.199705	Inlier
siRNA Disorazole DMSO Run1	NM_0062 67	RANBP2	RAN binding protein 2	0.908278	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0062 67	RANBP2	RAN binding protein 2	1.452219	Inlier
siRNA Disorazole DMSO Run2	NM_0062 67	RANBP2	RAN binding protein 2	1.832439	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0028 84	RAP1A	RAS oncogene family RAP1A, member of RAS	-1.483564	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0028 84	RAP1A	RAS oncogene family RAP1A, member of RAS	-0.92947	Inlier
siRNA Disorazole DMSO Run3	NM_0028 84	RAP1A	RAS oncogene family RAP1A, member of RAS	-0.38096	Inlier
siRNA Disorazole DMSO Run1	NM_0028 84	RAP1A	RAS oncogene family RAP1A, member of RAS	-0.347924	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0028 84	RAP1A	RAS oncogene family	0.347924	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0028 84	RAP1A	RAP1A, member of RAS oncogene family	0.661679	Inlier
siRNA Disorazole DMSO Run2	NM_0028 84	RAP1A	RAP1A, member of RAS oncogene family	0.687321	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0028 84	RAP1A	RAP1A, member of RAS oncogene family	1.586182	Inlier
siRNA Disorazole DMSO Run3	NM_0156 46	RAP1B	RAP1B, member of RAS oncogene family	-1.316112	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0156 46	RAP1B	RAP1B, member of RAS oncogene family	-0.758844	Inlier
siRNA Disorazole DMSO Run1	NM_0156 46	RAP1B	RAP1B, member of RAS oncogene family	-0.15065	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0156 46	RAP1B	RAP1B, member of RAS oncogene family	-0.094571	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0156 46	RAP1B	RAP1B, member of RAS oncogene family	0.094572	Inlier
siRNA Disorazole DMSO Run2	NM_0156 46	RAP1B	RAP1B, member of RAS oncogene family	0.590156	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0156 46	RAP1B	RAP1B, member of RAS oncogene family	1.144578	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0156 46	RAP1B	RAP1B, member of RAS oncogene family	1.345397 Inlier
siRNA Disorazole DMSO Run1	NM_0210 33	RAP2A	RAP2A, member of RAS oncogene family	-0.751767 Inlier
siRNA Disorazole DMSO Run3	NM_0210 33	RAP2A	RAP2A, member of RAS oncogene family	-0.701517 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0210 33	RAP2A	RAP2A, member of RAS oncogene family	-0.647483 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0210 33	RAP2A	RAP2A, member of RAS oncogene family	-0.278145 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0210 33	RAP2A	RAP2A, member of RAS oncogene family	0.278145 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0210 33	RAP2A	RAP2A, member of RAS oncogene family	0.339485 Inlier
siRNA Disorazole DMSO Run2	NM_0210 33	RAP2A	RAP2A, member of RAS oncogene family	1.76393 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0210 33	RAP2A	RAP2B, member of RAS oncogene family	1.939597 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0028 86	RAP2B	RAP2B, member of RAS oncogene family	-2.906246 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0028 86	RAP2B	RAP2B, member of RAS oncogene family	-1.192438	Inlier
siRNA Disorazole DMSO Run3	NM_0028 86	RAP2B	RAP2B, member of RAS oncogene family	-0.783722	Inlier
siRNA Disorazole DMSO Run2	NM_0028 86	RAP2B	RAP2B, member of RAS oncogene family	-0.568452	Inlier
siRNA Disorazole DMSO Run1	NM_0028 86	RAP2B	RAP2B, member of RAS oncogene family	0.568452	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0028 86	RAP2B	RAP2B, member of RAS oncogene family	0.577339	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0028 86	RAP2B	RAP2B, member of RAS oncogene family	0.640287	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0028 86	RAP2B	RAP2C, member of RAS oncogene family	0.708713	Inlier
siRNA Disorazole DMSO Run3	NM_0211 83	RAP2C	RAP2C, member of RAS oncogene family	-0.74246	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0211 83	RAP2C	RAP2C, member of RAS oncogene family	-0.717454	Inlier
siRNA Disorazole DMSO Run1	NM_0211 83	RAP2C	RAP2C, member of RAS oncogene family	-0.631545	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0211 83	RAP2C	RAP2C, member of RAS oncogene family	-0.03305 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0211 83	RAP2C	RAP2C, member of RAS oncogene family	0.03305 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0211 83	RAP2C	RAP2C, member of RAS oncogene family	0.169483 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0211 83	RAP2C	RAP2C, member of RAS oncogene family	1.007605 Inlier
siRNA Disorazole DMSO Run2	NM_0211 83	RAP2C	RAP2C, member of RAS oncogene family	2.687854 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0053 12	RAPGEF1	Rap guanine nucleotide exchange factor (GEF) 1	-0.92601 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0053 12	RAPGEF1	Rap guanine nucleotide exchange factor (GEF) 1	-0.75431 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0053 12	RAPGEF1	Rap guanine nucleotide exchange factor (GEF) 1	-0.59469 Inlier
siRNA Disorazole DMSO Run3	NM_0053 12	RAPGEF1	Rap guanine nucleotide exchange factor (GEF) 1	-0.098707 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log2 Fold Change	Outlier Status
siRNA-Temozolomide Run1-DMSO	NM_005312	RAPGEF1	Rap guanine nucleotide exchange factor (GEF) 1	0.098707	Inlier
siRNA Disorazole DMSO Run1	NM_005312	RAPGEF1	Rap guanine nucleotide exchange factor (GEF) 1	0.18447	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005312	RAPGEF1	Rap guanine nucleotide exchange factor (GEF) 1	1.577155	Inlier
siRNA Disorazole DMSO Run2	NM_005312	RAPGEF1	Rap guanine nucleotide exchange factor (GEF) 1	1.798628	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006105	RAPGEF3	Rap guanine nucleotide exchange factor (GEF) 3	-1.830785	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006105	RAPGEF3	Rap guanine nucleotide exchange factor (GEF) 3	-0.516823	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006105	RAPGEF3	Rap guanine nucleotide exchange factor (GEF) 3	-0.317408	Inlier
siRNA Disorazole DMSO Run3	NM_006105	RAPGEF3	Rap guanine nucleotide exchange factor (GEF) 3	-0.122441	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Gene ID	Protein	Value	Outlier
siRNA-Temozolomide Run2-DMSO	RAPGEF3	NM_006105	Rap guanine nucleotide exchange factor (GEF) 3	0.12244	Inlier
siRNA Disorazole DMSO Run1	RAPGEF3	NM_006105	Rap guanine nucleotide exchange factor (GEF) 3	0.832177	Inlier
siRNA Disorazole DMSO Run2	RAPGEF3	NM_006105	Rap guanine nucleotide exchange factor (GEF) 3	1.568165	Inlier
siRNA-Vinblastine Run1-DMSO	RAPGEF3	NM_006105	Rap guanine nucleotide exchange factor (GEF) 3	1.865074	Inlier
siRNA-Temozolomide Run3-DMSO	RAPGEF4	NM_007023	Rap guanine nucleotide exchange factor (GEF) 4	-1.584086	Inlier
siRNA-Temozolomide Run2-DMSO	RAPGEF4	NM_007023	Rap guanine nucleotide exchange factor (GEF) 4	-1.11351	Inlier
siRNA-Temozolomide Run1-DMSO	RAPGEF4	NM_007023	Rap guanine nucleotide exchange factor (GEF) 4	-0.564042	Inlier
siRNA Disorazole DMSO Run3	RAPGEF4	NM_007023	Rap guanine nucleotide exchange factor (GEF) 4	-0.014699	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Protein	Score	Category
siRNA Disorazole DMSO Run1	RAPGEF4	NM_0070 23	Rap guanine nucleotide exchange factor (GEF) 4	0.0147	Inlier
siRNA-Vinblastine Run2-DMSO	RAPGEF4	NM_0070 23	Rap guanine nucleotide exchange factor (GEF) 4	0.119761	Inlier
siRNA Disorazole DMSO Run2	RAPGEF4	NM_0070 23	Rap guanine nucleotide exchange factor (GEF) 4	0.784958	Inlier
siRNA-Vinblastine Run1-DMSO	RAPGEF4	NM_0070 23	Rap guanine nucleotide exchange factor (GEF) 4	0.936981	Inlier
siRNA-Temozolomide Run2-DMSO	RAPGEF5	NM_0122 94	Rap guanine nucleotide exchange factor (GEF) 5	-0.863518	Inlier
siRNA-Temozolomide Run3-DMSO	RAPGEF5	NM_0122 94	Rap guanine nucleotide exchange factor (GEF) 5	-0.485482	Inlier
siRNA-Temozolomide Run1-DMSO	RAPGEF5	NM_0122 94	Rap guanine nucleotide exchange factor (GEF) 5	-0.228982	Inlier
siRNA Disorazole DMSO Run3	RAPGEF5	NM_0122 94	Rap guanine nucleotide exchange factor (GEF) 5	-0.098607	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Gene Name	Value	Category
siRNA-Vinblastine Run2-DMSO	NM_0122	94	RAPGEF5 (GEF) 5	0.098606	Inlier
siRNA Disorazole DMSO Run1	NM_0122	94	RAPGEF5 (GEF) 5	2.278284	Inlier
siRNA Disorazole DMSO Run2	NM_0122	94	RAPGEF5 (GEF) 5	2.372134	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0122	94	RAPGEF5 (GEF) 5	3.725981	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0163	40	RAPGEF6 (GEF) 6	-0.911701	Inlier
siRNA Disorazole DMSO Run3	NM_0163	40	RAPGEF6 (GEF) 6	-0.437868	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0163	40	RAPGEF6 (GEF) 6	-0.416177	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0163	40	RAPGEF6 (GEF) 6	-0.093581	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Value	Outlier Type
siRNA-Vinblastine Run2-DMSO	NM_016340	RAPGEF6	Rap guanine nucleotide exchange factor (GEF) 6	0.093581	Inlier
siRNA Disorazole DMSO Run2	NM_016340	RAPGEF6	Rap guanine nucleotide exchange factor (GEF) 6	0.911132	Inlier
siRNA Disorazole DMSO Run1	NM_016340	RAPGEF6	Rap guanine nucleotide exchange factor (GEF) 6	1.159667	Inlier
siRNA-Vinblastine Run1-DMSO	NM_016340	RAPGEF6	Rap guanine nucleotide exchange factor (GEF) 6	1.802132	Inlier
siRNA-Temozolomide Run3-DMSO	NM_016339	RAPGEFL1	Rap guanine nucleotide exchange factor (GEF)-like 1	-0.836908	Inlier
siRNA-Vinblastine Run2-DMSO	NM_016339	RAPGEFL1	Rap guanine nucleotide exchange factor (GEF)-like 1	-0.61893	Inlier
siRNA Disorazole DMSO Run3	NM_016339	RAPGEFL1	Rap guanine nucleotide exchange factor (GEF)-like 1	-0.445722	Inlier
siRNA-Temozolomide Run1-DMSO	NM_016339	RAPGEFL1	Rap guanine nucleotide exchange factor (GEF)-like 1	-0.246486	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Accession	Value	Outlier Status
siRNA Disorazole DMSO Run1	NM_016339	RAPGEFL	1	1	0.246486 Inlier
					Rap guanine nucleotide exchange factor (GEF)-like
siRNA-Temozolomide Run2-DMSO	NM_016339	RAPGEFL	1	1	0.73007 Inlier
					Rap guanine nucleotide exchange factor (GEF)-like
siRNA-Vinblastine Run1-DMSO	NM_016339	RAPGEFL	1	1	1.345823 Inlier
					Rap guanine nucleotide exchange factor (GEF)-like
siRNA Disorazole DMSO Run2	NM_016339	RAPGEFL	1	1	1.526305 Inlier
					Rap guanine nucleotide exchange factor (GEF)-like
siRNA Disorazole DMSO Run1	NM_001024809	RARA			-0.767552 Inlier
					retinoic acid receptor, alpha
siRNA-Vinblastine Run1-DMSO	NM_001024809	RARA			-0.581448 Inlier
					retinoic acid receptor, alpha
siRNA-Temozolomide Run2-DMSO	NM_001024809	RARA			-0.295132 Inlier
					retinoic acid receptor, alpha
siRNA-Temozolomide Run1-DMSO	NM_001024809	RARA			-0.187331 Inlier
					retinoic acid receptor, alpha
siRNA-Temozolomide Run3-DMSO	NM_001024809	RARA			0.187331 Inlier
					retinoic acid receptor, alpha
siRNA Disorazole DMSO Run2	NM_001024809	RARA			0.820572 Inlier
					retinoic acid receptor, alpha

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0010 24809	RARA	retinoic acid receptor, alpha	1.245602	Inlier
siRNA Disorazole DMSO Run3	NM_0010 24809	RARA	retinoic acid receptor, alpha	7.585509	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0161 52	RARB	retinoic acid receptor, beta	-1.488097	Inlier
siRNA Disorazole DMSO Run1	NM_0161 52	RARB	retinoic acid receptor, beta	-0.498713	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0161 52	RARB	retinoic acid receptor, beta	-0.408036	Inlier
siRNA Disorazole DMSO Run2	NM_0161 52	RARB	retinoic acid receptor, beta	-0.029216	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0161 52	RARB	retinoic acid receptor, beta	0.029215	Inlier
siRNA Disorazole DMSO Run3	NM_0161 52	RARB	retinoic acid receptor, beta	0.850287	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0161 52	RARB	retinoic acid receptor, beta	0.995161	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0161 52	RARB	retinoic acid receptor, beta	1.544719	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0009 66	RARG	retinoic acid receptor, gamma	-1.273313	Inlier
siRNA Disorazole DMSO Run2	NM_0009 66	RARG	retinoic acid receptor, gamma	-0.7446	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0009 66	RARG	retinoic acid receptor, gamma	-0.120261	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0009 66	RARG	retinoic acid receptor, gamma	-0.107359	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0009 66	RARG	retinoic acid receptor, gamma	0.107359	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0009 66	RARG	retinoic acid receptor, gamma	0.6044	Inlier
siRNA Disorazole DMSO Run3	NM_0009 66	RARG	retinoic acid receptor, gamma	1.312019	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0009 66	RARG	retinoic acid receptor, gamma	1.523287	Inlier
siRNA-Vinblastine Run2-DMSO	NM_2069 63	RARRES1	retinoic acid receptor responder (tazarotene induced)	-0.8616	Inlier
siRNA-Temozolomide Run3-DMSO	NM_2069 63	RARRES1	retinoic acid receptor responder (tazarotene induced)	-0.608058	Inlier
siRNA-Temozolomide Run2-DMSO	NM_2069 63	RARRES1	retinoic acid receptor responder (tazarotene induced)	-0.543662	Inlier
siRNA Disorazole DMSO Run3	NM_2069 63	RARRES1	retinoic acid receptor responder (tazarotene induced)	-0.176214	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_2069 63	RARRES1	1	retinoic acid receptor responder (tazarotene induced)	0.176214 Inlier
siRNA-Temozolomide Run1-DMSO	NM_2069 63	RARRES1	1	retinoic acid receptor responder (tazarotene induced)	0.740942 Inlier
siRNA-Vinblastine Run1-DMSO	NM_2069 63	RARRES1	1	retinoic acid receptor responder (tazarotene induced)	0.906281 Inlier
siRNA Disorazole DMSO Run2	NM_2069 63	RARRES1	1	retinoic acid receptor responder (tazarotene induced)	1.219485 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0028 89	RARRES2	2	retinoic acid receptor responder (tazarotene induced)	-1.528716 Inlier
siRNA Disorazole DMSO Run1	NM_0028 89	RARRES2	2	retinoic acid receptor responder (tazarotene induced)	-0.709409 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA	Gene	Gene ID	Gene Name	Value	Category
siRNA-Vinblastine Run1-DMSO	NM_002889	RARRES2	retinoic acid receptor responder (tazarotene induced)	-0.639591	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002889	RARRES2	retinoic acid receptor responder (tazarotene induced)	-0.219646	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002889	RARRES2	retinoic acid receptor responder (tazarotene induced)	0.219646	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002889	RARRES2	retinoic acid receptor responder (tazarotene induced)	0.560648	Inlier
siRNA Disorazole DMSO Run2	NM_002889	RARRES2	retinoic acid receptor responder (tazarotene induced)	1.549527	Inlier
siRNA Disorazole DMSO Run3	NM_002889	RARRES2	retinoic acid receptor responder (tazarotene induced)	4.362136	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0045 85	RARRES3	3	retinoic acid receptor responder (tazarotene induced)	-1.348773	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0045 85	RARRES3	3	retinoic acid receptor responder (tazarotene induced)	-1.339529	Inlier
siRNA Disorazole DMSO Run3	NM_0045 85	RARRES3	3	retinoic acid receptor responder (tazarotene induced)	-0.360177	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0045 85	RARRES3	3	retinoic acid receptor responder (tazarotene induced)	-0.221138	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0045 85	RARRES3	3	retinoic acid receptor responder (tazarotene induced)	0.221137	Inlier
siRNA Disorazole DMSO Run1	NM_0045 85	RARRES3	3	retinoic acid receptor responder (tazarotene induced)	0.231142	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_004585	RARRES3	3	retinoic acid receptor responder (tazarotene induced)	0.988823	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004585	RARRES3	3	retinoic acid receptor responder (tazarotene induced)	1.818936	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002887	RARS		arginyl-tRNA synthetase	-0.95312	Inlier
siRNA Disorazole DMSO Run3	NM_002887	RARS		arginyl-tRNA synthetase	-0.811209	Inlier
siRNA Disorazole DMSO Run1	NM_002887	RARS		arginyl-tRNA synthetase	-0.537791	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002887	RARS		arginyl-tRNA synthetase	-0.318433	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002887	RARS		arginyl-tRNA synthetase	0.318433	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002887	RARS		arginyl-tRNA synthetase	0.404702	Inlier
siRNA Disorazole DMSO Run2	NM_002887	RARS		arginyl-tRNA synthetase	1.574112	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002887	RARS		arginyl-tRNA synthetase	1.985502	Inlier
siRNA-Temozolomide Run2-DMSO	NM_020320	RARSL		arginyl-tRNA synthetase-like	-0.830825	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0203 20	RARSL	arginyl- tRNA synthetase- like	-0.575087	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0203 20	RARSL	arginyl- tRNA synthetase- like	-0.280212	Inlier
siRNA Disorazole DMSO Run1	NM_0203 20	RARSL	arginyl- tRNA synthetase- like	-0.108731	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0203 20	RARSL	arginyl- tRNA synthetase- like	0.10873	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0203 20	RARSL	arginyl- tRNA synthetase- like	0.773913	Inlier
siRNA Disorazole DMSO Run2	NM_0203 20	RARSL	arginyl- tRNA synthetase- like	1.155295	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0203 20	RARSL	arginyl- tRNA synthetase- like	1.722257	Inlier
siRNA Disorazole DMSO Run1	NM_0226 50	RASA1	RAS p21 protein activator (GTPase activating protein) 1	-1.200879	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0226 50	RASA1	RAS p21 protein activator (GTPase activating protein) 1	-1.074821	Inlier
siRNA Disorazole DMSO Run3	NM_0226 50	RASA1	RAS p21 protein activator (GTPase activating protein) 1	-0.977207	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0226 50	RASA1	RAS p21 protein activator (GTPase activating protein) 1	-0.065546	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0226 50	RASA1	RAS p21 protein activator (GTPase activating protein) 1	0.065545	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0226 50	RASA1	RAS p21 protein activator (GTPase activating protein) 1	0.073145	Inlier
siRNA Disorazole DMSO Run2	NM_0226 50	RASA1	RAS p21 protein activator (GTPase activating protein) 1	0.645974	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0226 50	RASA1	RAS p21 protein activator (GTPase activating protein) 1	0.703026	Inlier
siRNA Disorazole DMSO Run3	NM_0065 06	RASA2	RAS p21 protein activator 2	-0.823997	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0065 06	RASA2	RAS p21 protein activator 2	-0.525003	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0065 06	RASA2	RAS p21 protein activator 2	-0.176678	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0065 06	RASA2	RAS p21 protein activator 2	-0.059529	Inlier
siRNA Disorazole DMSO Run1	NM_0065 06	RASA2	RAS p21 protein activator 2	0.059529	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0065 06	RASA2	RAS p21 protein activator 2	0.827348	Inlier
siRNA Disorazole DMSO Run2	NM_0065 06	RASA2	RAS p21 protein activator 2	1.09871	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0065 06	RASA2	RAS p21 protein activator 2	1.389304	Inlier
siRNA Disorazole DMSO Run3	NM_0073 68	RASA3	protein activator 3	-3.355846	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology				RAS p21	
siRNA-Temozolomide Run3-DMSO	NM_0073 68	RASA3	protein activator 3	-2.701088	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0073 68	RASA3	protein activator 3	-0.726686	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0073 68	RASA3	protein activator 3	-0.22733	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0073 68	RASA3	protein activator 3	0.22733	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0073 68	RASA3	protein activator 3	0.384867	Inlier
siRNA Disorazole DMSO Run1	NM_0073 68	RASA3	protein activator 3	0.622314	Inlier
siRNA Disorazole DMSO Run2	NM_0073 68	RASA3	protein activator 3	0.888236	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0069 89	RASA4	protein activator 4	-1.570253	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0069 89	RASA4	protein activator 4	-0.905158	Inlier
siRNA Disorazole DMSO Run3	NM_0069 89	RASA4	protein activator 4	-0.424184	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0069 89	RASA4	protein activator 4	-0.344573	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0069 89	RASA4	protein activator 4	0.344573	Inlier
siRNA Disorazole DMSO Run2	NM_0069 89	RASA4	protein activator 4	0.603107	Inlier
siRNA Disorazole DMSO Run1	NM_0069 89	RASA4	protein activator 4	0.745893	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0069 89	RASA4	protein activator 4	1.748984	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0046 58	RASAL1	RAS protein activator like 1 (GAP1 like)	-1.505011	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Value	Category
siRNA-Vinblastine Run2-DMSO	NM_004658	RASAL1	RAS protein activator like 1 (GAP1 like)	-0.820284	Inlier
siRNA Disorazole DMSO Run3	NM_004658	RASAL1	RAS protein activator like 1 (GAP1 like)	-0.427584	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004658	RASAL1	RAS protein activator like 1 (GAP1 like)	-0.426372	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004658	RASAL1	RAS protein activator like 1 (GAP1 like)	0.426372	Inlier
siRNA Disorazole DMSO Run1	NM_004658	RASAL1	RAS protein activator like 1 (GAP1 like)	0.626737	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004658	RASAL1	RAS protein activator like 1 (GAP1 like)	0.722263	Inlier
siRNA Disorazole DMSO Run2	NM_004658	RASAL1	RAS protein activator like 1 (GAP1 like)	1.004618	Inlier
siRNA Disorazole DMSO Run3	NM_170692	RASAL2	RAS protein activator like 2	-0.704403	Inlier
siRNA-Vinblastine Run2-DMSO	NM_170692	RASAL2	RAS protein activator like 2	-0.644598	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Gene ID	Gene Name	Log Fold Change	Outlier Status
siRNA-Temozolomide Run1-DMSO	NM_1706	92	RASAL2	-0.617081	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1706	92	RASAL2	-0.126573	Inlier
siRNA Disorazole DMSO Run1	NM_1706	92	RASAL2	0.126573	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1706	92	RASAL2	2.949592	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1706	92	RASAL2	5.047563	Outlier
siRNA Disorazole DMSO Run2	NM_1706	92	RASAL2	7.766654	Outlier
siRNA-Vinblastine Run2-DMSO	NM_0160	84	RASD1	-0.808477	Inlier
siRNA Disorazole DMSO Run1	NM_0160	84	RASD1	-0.724001	Inlier
siRNA Disorazole DMSO Run3	NM_0160	84	RASD1	-0.607732	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0160	84	RASD1	-0.519685	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0160	84	RASD1	0.519685	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0160	84	RASD1	0.646554	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0160	84	RASD1	0.702446	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0160 84	RASD1	RAS, dexameth asone- induced 1	1.166464	Inlier
siRNA Disorazole DMSO Run1	NM_0143 10	RASD2	RASD family, member 2	-1.379638	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0143 10	RASD2	RASD family, member 2	-1.274854	Inlier
siRNA Disorazole DMSO Run3	NM_0143 10	RASD2	RASD family, member 2	-1.046464	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0143 10	RASD2	RASD family, member 2	-0.496251	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0143 10	RASD2	RASD family, member 2	0.496252	Inlier
siRNA Disorazole DMSO Run2	NM_0143 10	RASD2	RASD family, member 2	0.530531	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0143 10	RASD2	RASD family, member 2	0.663518	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0143 10	RASD2	RAS protein- specific guanine nucleotide- releasing	0.685482	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0028 91	RASGRF1	Ras protein- specific guanine nucleotide- releasing factor 1	-3.178262	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0028 91	RASGRF1	Ras protein- specific guanine nucleotide- releasing factor 1	-0.893847	Inlier
siRNA Disorazole DMSO Run2	NM_0028 91	RASGRF1	Ras protein- specific guanine nucleotide- releasing factor 1	-0.555186	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Condition	Run	Gene	Protein	Value	Outlier
siRNA Disorazole	DMSO	Run3	RASGRF1	Ras protein-specific guanine nucleotide-releasing factor 1	-0.018184	Inlier
siRNA Disorazole	DMSO	Run1	RASGRF1	Ras protein-specific guanine nucleotide-releasing factor 1	0.018187	Inlier
siRNA-Temozolomide	Run3-DMSO		RASGRF1	Ras protein-specific guanine nucleotide-releasing factor 1	0.046852	Inlier
siRNA-Temozolomide	Run2-DMSO		RASGRF1	Ras protein-specific guanine nucleotide-releasing factor 1	0.793814	Inlier
siRNA-Temozolomide	Run1-DMSO		RASGRF1	Ras protein-specific guanine nucleotide-releasing factor 1	2.653683	Inlier
siRNA Disorazole	DMSO	Run3	RASGRF2	Ras protein-specific guanine nucleotide-releasing factor 2	-1.119864	Inlier
siRNA-Vinblastine	Run2-DMSO		RASGRF2	Ras protein-specific guanine nucleotide-releasing factor 2	-0.60482	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log Fold Change	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_006909	RASGRF2	Ras protein-specific guanine nucleotide-releasing factor 2	-0.221144	Inlier
siRNA Disorazole DMSO Run1	NM_006909	RASGRF2	Ras protein-specific guanine nucleotide-releasing factor 2	-0.020103	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006909	RASGRF2	Ras protein-specific guanine nucleotide-releasing factor 2	0.020103	Inlier
siRNA Disorazole DMSO Run2	NM_006909	RASGRF2	Ras protein-specific guanine nucleotide-releasing factor 2	0.74418	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006909	RASGRF2	Ras protein-specific guanine nucleotide-releasing factor 2	0.892148	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006909	RASGRF2	RAS guanyl releasing protein 1 (calcium and DAG-regulated)	0.957896	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005739	RASGRP1	RAS guanyl releasing protein 1 (calcium and DAG-regulated)	-1.228778	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Pathway	Log Fold Change	Outlier Status
siRNA Disorazole DMSO Run3	NM_0057 39	RASGRP1	RAS guanyl releasing protein 1 (calcium and DAG- regulated)	-0.996723	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0057 39	RASGRP1	RAS guanyl releasing protein 1 (calcium and DAG- regulated)	-0.309477	Inlier
siRNA Disorazole DMSO Run1	NM_0057 39	RASGRP1	RAS guanyl releasing protein 1 (calcium and DAG- regulated)	-0.278444	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0057 39	RASGRP1	RAS guanyl releasing protein 1 (calcium and DAG- regulated)	0.278444	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0057 39	RASGRP1	RAS guanyl releasing protein 1 (calcium and DAG- regulated)	0.352277	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0057 39	RASGRP1	RAS guanyl releasing protein 1 (calcium and DAG- regulated)	1.480537	Inlier
siRNA Disorazole DMSO Run2	NM_0057 39	RASGRP1	RAS guanyl releasing protein 1 (calcium and DAG- regulated)	2.720825	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	siRNA	siRNA	siRNA	siRNA	siRNA	siRNA	siRNA	siRNA	siRNA
siRNA-Temozolomide Run2-DMSO	NM_1538	19	RASGRP2	RAS guanyl releasing protein 2 (calcium and DAG-regulated)	-1.09326	Inlier			
siRNA Disorazole DMSO Run3	NM_1538	19	RASGRP2	RAS guanyl releasing protein 2 (calcium and DAG-regulated)	-0.885602	Inlier			
siRNA-Vinblastine Run2-DMSO	NM_1538	19	RASGRP2	RAS guanyl releasing protein 2 (calcium and DAG-regulated)	-0.218636	Inlier			
siRNA Disorazole DMSO Run1	NM_1538	19	RASGRP2	RAS guanyl releasing protein 2 (calcium and DAG-regulated)	-0.166494	Inlier			
siRNA-Temozolomide Run3-DMSO	NM_1538	19	RASGRP2	RAS guanyl releasing protein 2 (calcium and DAG-regulated)	0.166494	Inlier			
siRNA-Temozolomide Run1-DMSO	NM_1538	19	RASGRP2	RAS guanyl releasing protein 2 (calcium and DAG-regulated)	0.463398	Inlier			
siRNA Disorazole DMSO Run2	NM_1538	19	RASGRP2	RAS guanyl releasing protein 2 (calcium and DAG-regulated)	1.969232	Inlier			

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			RAS guanyl releasing protein 2 (calcium and DAG- regulated)	
siRNA-Vinblastine Run1- DMSO	NM_1538 19	RASGRP2		2.154625 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0333 15	RASL10B	RAS-like, family 10, member B	-1.515085 Inlier
siRNA Disorazole DMSO Run3	NM_0333 15	RASL10B	RAS-like, family 10, member B	-0.991377 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0333 15	RASL10B	RAS-like, family 10, member B	-0.357623 Inlier
siRNA Disorazole DMSO Run1	NM_0333 15	RASL10B	RAS-like, family 10, member B	-0.113467 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0333 15	RASL10B	RAS-like, family 10, member B	0.113467 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0333 15	RASL10B	RAS-like, family 10, member B	0.323651 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0333 15	RASL10B	RAS-like, family 10, member B	1.409168 Inlier
siRNA Disorazole DMSO Run2	NM_0333 15	RASL10B	RAS-like, family 10, member B	3.06747 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0165 63	RASL12	RAS-like, family 12	-2.282175 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0165 63	RASL12	RAS-like, family 12	-0.773606 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0165 63	RASL12	RAS-like, family 12	-0.541044 Inlier
siRNA Disorazole DMSO Run1	NM_0165 63	RASL12	RAS-like, family 12	-0.083731 Inlier
siRNA Disorazole DMSO Run3	NM_0165 63	RASL12	RAS-like, family 12	0.083731 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0165 63	RASL12	RAS-like, family 12	0.575394 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA-Vinblastine Run1- DMSO	NM_0165 63	RASL12	RAS-like, family 12	1.551303	Inlier
siRNA Disorazole DMSO Run2	NM_0165 63	RASL12	RAS-like, family 12	2.414322	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0165 44	RBJ	RBJ	-1.36183	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0165 44	RBJ	RBJ	-0.765582	Inlier
siRNA Disorazole DMSO Run3	NM_0165 44	RBJ	RBJ	-0.205761	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0165 44	RBJ	RBJ	-0.079939	Inlier
siRNA Disorazole DMSO Run1	NM_0165 44	RBJ	RBJ	0.079939	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0165 44	RBJ	RBJ	0.583418	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0165 44	RBJ	RBJ	1.353869	Inlier
siRNA Disorazole DMSO Run2	NM_0165 44	RBJ	RBJ	1.86179	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0221 28	RBKS	ribokinase	-0.819421	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0221 28	RBKS	ribokinase	-0.529579	Inlier
siRNA Disorazole DMSO Run2	NM_0221 28	RBKS	ribokinase	-0.479135	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0221 28	RBKS	ribokinase	-0.011299	Inlier
siRNA Disorazole DMSO Run1	NM_0221 28	RBKS	ribokinase	0.011299	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0221 28	RBKS	ribokinase	0.91028	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0221 28	RBKS	ribokinase	1.498897	Inlier
siRNA Disorazole DMSO Run3	NM_0221 28	RBKS	ribokinase	2.761406	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0056 76	RBM10	RNA binding motif protein 10	-2.105609	Inlier
siRNA Disorazole DMSO Run1	NM_0056 76	RBM10	RNA binding motif protein 10	-0.695114	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0056 76	RBM10	RNA binding motif protein 10	-0.592121	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0056 76	RBM10	RNA binding motif protein 10	-0.09495	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Protein	RNA binding motif	Score	Category
siRNA Disorazole DMSO Run3	NM_0056 76	RBM10	protein 10	0.09495	Inlier
siRNA Disorazole DMSO Run2	NM_0056 76	RBM10	protein 10	0.653886	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0056 76	RBM10	protein 10	1.117724	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0056 76	RBM10	protein 10	2.027009	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1528 38	RBM12	protein 12	-5.094625	Outlier
siRNA-Temozolomide Run2-DMSO	NM_1528 38	RBM12	protein 12	-4.040829	Outlier
siRNA-Temozolomide Run1-DMSO	NM_1528 38	RBM12	protein 12	-0.430364	Inlier
siRNA Disorazole DMSO Run2	NM_1528 38	RBM12	protein 12	-0.294414	Inlier
siRNA Disorazole DMSO Run1	NM_1528 38	RBM12	protein 12	0.294415	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1528 38	RBM12	protein 12	0.502963	Inlier
siRNA Disorazole DMSO Run3	NM_1528 38	RBM12	protein 12	0.846037	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1528 38	RBM12	protein 12	2.866829	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0063 28	RBM14	protein 14	-1.339346	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Run	Protein	Score	Outlier
siRNA Disorazole DMSO Run2	NM_0063	28	RBM14	-1.062957	Inlier
siRNA Disorazole DMSO Run1	NM_0063	28	RBM14	-0.489332	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0063	28	RBM14	-0.000108	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0063	28	RBM14	0.000108	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0063	28	RBM14	0.673832	Inlier
siRNA Disorazole DMSO Run3	NM_0063	28	RBM14	0.675168	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0063	28	RBM14	0.979043	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0057	78	RBM5	-1.368549	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0057	78	RBM5	-0.779614	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0057	78	RBM5	-0.569386	Inlier
siRNA Disorazole DMSO Run3	NM_0057	78	RBM5	-0.008059	Inlier
siRNA Disorazole DMSO Run1	NM_0057	78	RBM5	0.008059	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0057	78	RBM5	0.180389	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Protein	RNA binding motif	Score	Outlier Status
siRNA-Vinblastine Run1-DMSO	NM_005778	RBM5	protein 5	0.784344	Inlier
siRNA Disorazole DMSO Run2	NM_005778	RBM5	protein 5	1.271887	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002899	RBP1	protein 1, cellular retinol binding	-1.021642	Inlier
siRNA Disorazole DMSO Run1	NM_002899	RBP1	protein 1, cellular retinol binding	-0.327358	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002899	RBP1	protein 1, cellular retinol binding	-0.213026	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002899	RBP1	protein 1, cellular retinol binding	-0.206039	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002899	RBP1	protein 1, cellular retinol binding	0.206038	Inlier
siRNA Disorazole DMSO Run3	NM_002899	RBP1	protein 1, cellular retinol binding	1.144586	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002899	RBP1	protein 1, cellular retinol binding	1.424144	Inlier
siRNA Disorazole DMSO Run2	NM_002899	RBP1	protein 1, cellular retinol binding	2.549177	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004164	RBP2	protein 2, cellular retinol binding	-1.149768	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004164	RBP2	protein 2, cellular retinol binding	-0.783013	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004164	RBP2	protein 2, cellular	-0.565987	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0041 64	RBP2	retinol binding protein 2, cellular	-0.008071	Inlier
siRNA Disorazole DMSO Run1	NM_0041 64	RBP2	retinol binding protein 2, cellular	0.008072	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0041 64	RBP2	retinol binding protein 2, cellular	0.139521	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0041 64	RBP2	retinol binding protein 2, cellular	1.408675	Inlier
siRNA Disorazole DMSO Run2	NM_0041 64	RBP2	retinol binding protein 2, cellular	1.882682	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0067 44	RBP4	protein 4, plasma retinol binding	-0.988286	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0067 44	RBP4	protein 4, plasma retinol binding	-0.707551	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0067 44	RBP4	protein 4, plasma retinol binding	-0.339374	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0067 44	RBP4	protein 4, plasma retinol binding	-0.117139	Inlier
siRNA Disorazole DMSO Run3	NM_0067 44	RBP4	protein 4, plasma retinol binding	0.117139	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0067 44	RBP4	protein 4, plasma retinol binding	0.641449	Inlier
siRNA Disorazole DMSO Run1	NM_0067 44	RBP4	protein 4, plasma retinol binding	0.769358	Inlier
siRNA Disorazole DMSO Run2	NM_0067 44	RBP4	protein 4, plasma	1.395014	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0314 91	RBP5	retinol binding protein 5, cellular	-1.071898 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0314 91	RBP5	retinol binding protein 5, cellular	-0.747012 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0314 91	RBP5	retinol binding protein 5, cellular	-0.43289 Inlier
siRNA Disorazole DMSO Run3	NM_0314 91	RBP5	retinol binding protein 5, cellular	-0.359141 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0314 91	RBP5	retinol binding protein 5, cellular	0.359141 Inlier
siRNA Disorazole DMSO Run1	NM_0314 91	RBP5	retinol binding protein 5, cellular	0.601988 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0314 91	RBP5	retinol binding protein 5, cellular	1.600474 Inlier
siRNA Disorazole DMSO Run2	NM_0314 91	RBP5	retinol binding protein 5, cellular	2.139113 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0529 60	RBP7	retinol binding protein 7, cellular	-0.879604 Inlier
siRNA Disorazole DMSO Run1	NM_0529 60	RBP7	retinol binding protein 7, cellular	-0.784061 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0529 60	RBP7	retinol binding protein 7, cellular	-0.563743 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0529 60	RBP7	retinol binding protein 7, cellular	-0.431689 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0529 60	RBP7	retinol binding protein 7, cellular	0.431689 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0529 60	RBP7	retinol binding protein 7, cellular	0.564939	Inlier
siRNA Disorazole DMSO Run2	NM_0529 60	RBP7	retinol binding protein 7, cellular	1.187273	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0529 60	RBP7	retinol binding protein 7, cellular	1.23514	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0051 33	RCE1	RCE1 homolog, prenyl protein protease (S. cerevisiae)	-0.952039	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0051 33	RCE1	RCE1 homolog, prenyl protein protease (S. cerevisiae)	-0.816102	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0051 33	RCE1	RCE1 homolog, prenyl protein protease (S. cerevisiae)	-0.532898	Inlier
siRNA Disorazole DMSO Run3	NM_0051 33	RCE1	RCE1 homolog, prenyl protein protease (S. cerevisiae)	-0.222355	Inlier
siRNA Disorazole DMSO Run1	NM_0051 33	RCE1	RCE1 homolog, prenyl protein protease (S. cerevisiae)	0.222355	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0051 33	RCE1	RCE1 homolog, prenyl protein protease (S. cerevisiae)	0.375737	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0051 33	RCE1	RCE1 homolog, prenyl protein protease (S. cerevisiae)	1.811652	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0051 33	RCE1	RCE1 homolog, prenyl protein protease (S. cerevisiae)	2.232699	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0154 36	RCHY1	ring finger and CHY zinc finger domain containing 1	-0.770259	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0154 36	RCHY1	ring finger and CHY zinc finger domain containing 1	-0.579157	Inlier
siRNA Disorazole DMSO Run1	NM_0154 36	RCHY1	ring finger and CHY zinc finger domain containing 1	-0.442243	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0154 36	RCHY1	ring finger and CHY zinc finger domain containing 1	-0.400032	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0154 36	RCHY1	1	ring finger and CHY zinc finger domain containing	0.400032 Inlier
siRNA Disorazole DMSO Run2	NM_0154 36	RCHY1	1	ring finger and CHY zinc finger domain containing	0.769843 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0154 36	RCHY1	1	ring finger and CHY zinc finger domain containing	0.953643 Inlier
siRNA Disorazole DMSO Run3	NM_0154 36	RCHY1	1	ring finger and CHY zinc finger domain containing	1.166971 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0144 78	RCP9	RCP9		-7.927977 Outlier
siRNA Disorazole DMSO Run3	NM_0144 78	RCP9	RCP9		-2.143745 Inlier
siRNA Disorazole DMSO Run1	NM_0144 78	RCP9	RCP9		-0.628265 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0144 78	RCP9	RCP9		-0.287269 Inlier
siRNA Disorazole DMSO Run2	NM_0144 78	RCP9	RCP9		0.287269 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0144 78	RCP9	RCP9		0.443081 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0144 78	RCP9	RCP9		0.720735 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0144 78	RCP9	RCP9		1.945719 Inlier
siRNA Disorazole DMSO Run2	NM_1720 37	RDH10		retinol dehydroge nase 10 (all-trans)	-0.695492 Inlier
siRNA Disorazole DMSO Run3	NM_1720 37	RDH10		retinol dehydroge nase 10 (all-trans)	-0.653508 Inlier
siRNA-Temozolomide Run3-DMSO	NM_1720 37	RDH10		retinol dehydroge nase 10 (all-trans)	-0.411246 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Enzyme	Value	Outlier
siRNA-Temozolomide Run2-DMSO	NM_1720 37	RDH10	retinol dehydrogenase 10 (all-trans) -0.263061	Inlier
siRNA Disorazole DMSO Run1	NM_1720 37	RDH10	retinol dehydrogenase 10 (all-trans) 0.263061	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1720 37	RDH10	retinol dehydrogenase 10 (all-trans) 0.790342	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1720 37	RDH10	retinol dehydrogenase 10 (all-trans) 1.083469	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1720 37	RDH10	retinol dehydrogenase 10 (all-trans) 1.578414	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0160 26	RDH11	retinol dehydrogenase 11 (all-trans and 9-cis) -1.641387	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0160 26	RDH11	retinol dehydrogenase 11 (all-trans and 9-cis) -1.418561	Inlier
siRNA Disorazole DMSO Run2	NM_0160 26	RDH11	retinol dehydrogenase 11 (all-trans and 9-cis) -0.996483	Inlier
siRNA Disorazole DMSO Run3	NM_0160 26	RDH11	retinol dehydrogenase 11 (all-trans and 9-cis) -0.097631	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0160 26	RDH11	retinol dehydrogenase 11 (all-trans and 9-cis) 0.097631	Inlier
siRNA Disorazole DMSO Run1	NM_0160 26	RDH11	retinol dehydrogenase 11 (all-trans and 9-cis) 0.329052	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Enzyme	Value	Outlier
siRNA-Vinblastine Run2-DMSO	NM_016026	RDH11	0.352517	Inlier
siRNA-Vinblastine Run1-DMSO	NM_016026	RDH11	1.088217	Inlier
siRNA-Temozolomide Run2-DMSO	NM_152443	RDH12	-1.060542	Inlier
siRNA Disorazole DMSO Run1	NM_152443	RDH12	-0.656332	Inlier
siRNA Disorazole DMSO Run3	NM_152443	RDH12	-0.264823	Inlier
siRNA-Temozolomide Run1-DMSO	NM_152443	RDH12	-0.006198	Inlier
siRNA-Temozolomide Run3-DMSO	NM_152443	RDH12	0.006198	Inlier
siRNA-Vinblastine Run1-DMSO	NM_152443	RDH12	0.692668	Inlier
siRNA-Vinblastine Run2-DMSO	NM_152443	RDH12	0.732725	Inlier
siRNA Disorazole DMSO Run2	NM_152443	RDH12	1.404894	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_1384 12	RDH13	retinol dehydrogenase 13 (all-trans and 9-cis)	-1.765228	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1384 12	RDH13	retinol dehydrogenase 13 (all-trans and 9-cis)	-1.644922	Inlier
siRNA Disorazole DMSO Run1	NM_1384 12	RDH13	retinol dehydrogenase 13 (all-trans and 9-cis)	-0.658909	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1384 12	RDH13	retinol dehydrogenase 13 (all-trans and 9-cis)	-0.061238	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1384 12	RDH13	retinol dehydrogenase 13 (all-trans and 9-cis)	0.061238	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1384 12	RDH13	retinol dehydrogenase 13 (all-trans and 9-cis)	0.22478	Inlier
siRNA Disorazole DMSO Run2	NM_1384 12	RDH13	retinol dehydrogenase 13 (all-trans and 9-cis)	0.690091	Inlier
siRNA Disorazole DMSO Run3	NM_1384 12	RDH13	retinol dehydrogenase 13 (all-trans and 9-cis)	1.026648	Inlier
siRNA Disorazole DMSO Run1	NM_0209 05	RDH14	retinol dehydrogenase 14 (all-trans and 9-cis)	-0.788564	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0209 05	RDH14	retinol dehydrogenase 14 (all-trans and 9-cis)	-0.692935	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Enzyme	Value	Outlier
siRNA-Temozolomide Run3-DMSO	NM_020905	RDH14	retinol dehydrogenase 14 (all-trans and 9-cis)	-0.656065	Inlier
siRNA Disorazole DMSO Run3	NM_020905	RDH14	retinol dehydrogenase 14 (all-trans and 9-cis)	-0.473608	Inlier
siRNA Disorazole DMSO Run2	NM_020905	RDH14	retinol dehydrogenase 14 (all-trans and 9-cis)	0.473608	Inlier
siRNA-Temozolomide Run1-DMSO	NM_020905	RDH14	retinol dehydrogenase 14 (all-trans and 9-cis)	0.622798	Inlier
siRNA-Vinblastine Run1-DMSO	NM_020905	RDH14	retinol dehydrogenase 14 (all-trans and 9-cis)	1.270918	Inlier
siRNA-Vinblastine Run2-DMSO	NM_020905	RDH14	retinol dehydrogenase 14 (all-trans and 9-cis)	1.382393	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002905	RDH5	retinol dehydrogenase 5 (11-cis and 9-cis)	-0.954482	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002905	RDH5	retinol dehydrogenase 5 (11-cis and 9-cis)	-0.767915	Inlier
siRNA Disorazole DMSO Run2	NM_002905	RDH5	retinol dehydrogenase 5 (11-cis and 9-cis)	-0.256833	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002905	RDH5	retinol dehydrogenase 5 (11-cis and 9-cis)	-0.112072	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Value	Outlier Status
siRNA Disorazole DMSO Run1	NM_002905	RDH5	0.112072	Inlier
siRNA Disorazole DMSO Run3	NM_002905	RDH5	0.581085	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002905	RDH5	1.274507	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002905	RDH5	1.67362	Inlier
siRNA Disorazole DMSO Run1	NM_015725	RDH8	-2.67709	Inlier
siRNA-Temozolomide Run2-DMSO	NM_015725	RDH8	-1.82699	Inlier
siRNA-Temozolomide Run3-DMSO	NM_015725	RDH8	-0.289055	Inlier
siRNA-Vinblastine Run2-DMSO	NM_015725	RDH8	-0.269024	Inlier
siRNA Disorazole DMSO Run2	NM_015725	RDH8	0.269022	Inlier
siRNA Disorazole DMSO Run3	NM_015725	RDH8	0.466115	Inlier
siRNA-Vinblastine Run1-DMSO	NM_015725	RDH8	0.882885	Inlier
siRNA-Temozolomide Run1-DMSO	NM_015725	RDH8	0.968142	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Temozolomide Run3-DMSO	NM_1389 69	RDH-E2	RDH-E2	-1.730583	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1389 69	RDH-E2	RDH-E2	-0.79835	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1389 69	RDH-E2	RDH-E2	-0.55065	Inlier
siRNA Disorazole DMSO Run2	NM_1389 69	RDH-E2	RDH-E2	-0.394703	Inlier
siRNA Disorazole DMSO Run3	NM_1389 69	RDH-E2	RDH-E2	0.394703	Inlier
siRNA Disorazole DMSO Run1	NM_1389 69	RDH-E2	RDH-E2	0.484478	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1389 69	RDH-E2	RDH-E2	1.391386	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1389 69	RDH-E2	RDH-E2	2.016158	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0003 22	RDS	retinal degeneration, slow	-1.005316	Inlier
siRNA Disorazole DMSO Run2	NM_0003 22	RDS	retinal degeneration, slow	-0.682938	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0003 22	RDS	retinal degeneration, slow	-0.655913	Inlier
siRNA Disorazole DMSO Run3	NM_0003 22	RDS	retinal degeneration, slow	-0.425728	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0003 22	RDS	retinal degeneration, slow	0.425728	Inlier
siRNA Disorazole DMSO Run1	NM_0003 22	RDS	retinal degeneration, slow	0.666061	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0003 22	RDS	retinal degeneration, slow	1.613482	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0003 22	RDS	retinal degeneration, slow	1.770318	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0029 07	RECQL	RecQ protein-like (DNA helicase Q1-like)	-0.815325	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0029 07	RECQL	RecQ protein-like (DNA helicase Q1-like)	-0.722515	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0029 07	RECQL	RecQ protein- like (DNA helicase Q1-like) RecQ	-0.626485	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0029 07	RECQL	RecQ protein- like (DNA helicase Q1-like) RecQ	-0.048681	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0029 07	RECQL	RecQ protein- like (DNA helicase Q1-like) RecQ	0.048681	Inlier
siRNA Disorazole DMSO Run1	NM_0029 07	RECQL	RecQ protein- like (DNA helicase Q1-like) RecQ	0.312189	Inlier
siRNA Disorazole DMSO Run2	NM_0029 07	RECQL	RecQ protein- like (DNA helicase Q1-like) RecQ	1.809995	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0029 07	RECQL	RecQ protein- like (DNA helicase Q1-like) RecQ	2.148083	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0042 60	RECQL4	RecQ protein- like 4 RecQ	-1.34439	Inlier
siRNA Disorazole DMSO Run1	NM_0042 60	RECQL4	RecQ protein- like 4 RecQ	-0.797068	Inlier
siRNA Disorazole DMSO Run3	NM_0042 60	RECQL4	RecQ protein- like 4 RecQ	-0.202484	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0042 60	RECQL4	RecQ protein- like 4 RecQ	-0.02428	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0042 60	RECQL4	RecQ protein- like 4 RecQ	0.024278	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0042 60	RECQL4	RecQ protein- like 4 RecQ	0.551932	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0042 60	RECQL4	RecQ protein- like 4	0.894127	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0042 60	RECQL4	RecQ protein- like 4	2.148811	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0010 03715	RECQL5	RecQ protein- like 5	-1.28006	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0010 03715	RECQL5	RecQ protein- like 5	-0.852493	Inlier
siRNA Disorazole DMSO Run3	NM_0010 03715	RECQL5	RecQ protein- like 5	-0.820067	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0010 03715	RECQL5	RecQ protein- like 5	-0.010534	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0010 03715	RECQL5	RecQ protein- like 5	0.010534	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0010 03715	RECQL5	RecQ protein- like 5	0.369547	Inlier
siRNA Disorazole DMSO Run1	NM_0010 03715	RECQL5	RecQ protein- like 5	0.528933	Inlier
siRNA Disorazole DMSO Run2	NM_0010 03715	RECQL5	RecQ protein- like 5	1.087592	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1730 54	RELN	reelin	-0.944244	Inlier
siRNA Disorazole DMSO Run1	NM_1730 54	RELN	reelin	-0.404756	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1730 54	RELN	reelin	-0.340454	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1730 54	RELN	reelin	-0.10263	Inlier
siRNA Disorazole DMSO Run2	NM_1730 54	RELN	reelin	0.102629	Inlier
siRNA Disorazole DMSO Run3	NM_1730 54	RELN	reelin	1.070762	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1730 54	RELN	reelin	1.140663	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1730 54	RELN	reelin	1.92828	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0140 12	REM1	RAS (RAD and GEM)- like GTP- binding 1	-1.599217	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0140 12	REM1	RAS (RAD and GEM)-like GTP-binding 1	-1.415013	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0140 12	REM1	RAS (RAD and GEM)-like GTP-binding 1	-0.723258	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0140 12	REM1	RAS (RAD and GEM)-like GTP-binding 1	-0.205999	Inlier
siRNA Disorazole DMSO Run3	NM_0140 12	REM1	RAS (RAD and GEM)-like GTP-binding 1	0.205999	Inlier
siRNA Disorazole DMSO Run1	NM_0140 12	REM1	RAS (RAD and GEM)-like GTP-binding 1	0.434973	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0140 12	REM1	RAS (RAD and GEM)-like GTP-binding 1	0.625742	Inlier
siRNA Disorazole DMSO Run2	NM_0140 12	REM1	RAS (RAD and GEM)-like GTP-binding 1	0.913379	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0005 37	REN	renin	-2.419059	Inlier
siRNA Disorazole DMSO Run1	NM_0005 37	REN	renin	-0.79392	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0005 37	REN	renin	-0.381608	Inlier
siRNA Disorazole DMSO Run2	NM_0005 37	REN	renin	-0.317997	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0005 37	REN	renin	0.317998	Inlier
siRNA Disorazole DMSO Run3	NM_0005 37	REN	renin	0.652704	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0005 37	REN	renin	0.696296	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0005 37	REN	renin	1.277125	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0029 10	RENBP	renin binding protein	-1.301754	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0029 10	RENBP	renin binding protein	-1.213432	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0029 10	RENBP	renin binding protein	-0.861024	Inlier
siRNA Disorazole DMSO Run1	NM_0029 10	RENBP	renin binding protein	-0.058944	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0029 10	RENBP	renin binding protein	0.058943	Inlier
siRNA Disorazole DMSO Run3	NM_0029 10	RENBP	renin binding protein	0.122244	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0029 10	RENBP	renin binding protein	0.60096	Inlier
siRNA Disorazole DMSO Run2	NM_0029 10	RENBP	renin binding protein	0.74804	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0329 18	RERG	RAS-like, estrogen- regulated, growth inhibitor	-1.047668	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0329 18	RERG	RAS-like, estrogen- regulated, growth inhibitor	-0.301333	Inlier
siRNA Disorazole DMSO Run3	NM_0329 18	RERG	RAS-like, estrogen- regulated, growth inhibitor	-0.085125	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0329 18	RERG	RAS-like, estrogen- regulated, growth inhibitor	-0.012589	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0329 18	RERG	RAS-like, estrogen- regulated, growth inhibitor	0.012589	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0329 18	REGG	RAS-like, estrogen- regulated, growth inhibitor	2.92909	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0329 18	REGG	RAS-like, estrogen- regulated, growth inhibitor	3.984957	Outlier
siRNA Disorazole DMSO Run2	NM_0329 18	REGG	RAS-like, estrogen- regulated, growth inhibitor	4.389009	Outlier
siRNA Disorazole DMSO Run2	NM_0209 75	RET	ret proto- oncogene (multiple endocrine neoplasia and medullary thyroid carcinoma 1, Hirschspru ng disease)	-1.947114	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0209 75	RET	ret proto- oncogene (multiple endocrine neoplasia and medullary thyroid carcinoma 1, Hirschspru ng disease)	-1.113198	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_020975	RET	ret proto-oncogene (multiple endocrine neoplasia and medullary thyroid carcinoma 1, Hirschsprung disease)	-0.617318	Inlier
siRNA-Temozolomide Run2-DMSO	NM_020975	RET	ret proto-oncogene (multiple endocrine neoplasia and medullary thyroid carcinoma 1, Hirschsprung disease)	-0.024466	Inlier
siRNA Disorazole DMSO Run3	NM_020975	RET	ret proto-oncogene (multiple endocrine neoplasia and medullary thyroid carcinoma 1, Hirschsprung disease)	0.024466	Inlier
siRNA Disorazole DMSO Run1	NM_020975	RET	ret proto-oncogene (multiple endocrine neoplasia and medullary thyroid carcinoma 1, Hirschsprung disease)	0.666292	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_020975	RET	ret proto-oncogene (multiple endocrine neoplasia and medullary thyroid carcinoma 1, Hirschsprung disease)	0.682708	Inlier
siRNA-Vinblastine Run2-DMSO	NM_020975	RET	ret proto-oncogene (multiple endocrine neoplasia and medullary thyroid carcinoma 1, Hirschsprung disease)	2.123924	Inlier
siRNA Disorazole DMSO Run1	NM_016316	REV1L	REV1-like (yeast)	-0.918405	Inlier
siRNA-Temozolomide Run1-DMSO	NM_016316	REV1L	REV1-like (yeast)	-0.56603	Inlier
siRNA-Temozolomide Run2-DMSO	NM_016316	REV1L	REV1-like (yeast)	-0.485025	Inlier
siRNA Disorazole DMSO Run2	NM_016316	REV1L	REV1-like (yeast)	-0.307492	Inlier
siRNA-Vinblastine Run2-DMSO	NM_016316	REV1L	REV1-like (yeast)	0.307494	Inlier
siRNA Disorazole DMSO Run3	NM_016316	REV1L	REV1-like (yeast)	0.78297	Inlier
siRNA-Temozolomide Run3-DMSO	NM_016316	REV1L	REV1-like (yeast)	1.18611	Inlier
siRNA-Vinblastine Run1-DMSO	NM_016316	REV1L	REV1-like (yeast)	3.283214	Inlier
siRNA Disorazole DMSO Run3	NM_002912	REV3L	REV3-like, catalytic subunit of DNA polymerase zeta (yeast)	-1.617535	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_002912	REV3L	REV3-like, catalytic subunit of DNA polymerase zeta (yeast)	-0.437677	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002912	REV3L	REV3-like, catalytic subunit of DNA polymerase zeta (yeast)	-0.205266	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002912	REV3L	REV3-like, catalytic subunit of DNA polymerase zeta (yeast)	-0.096288	Inlier
siRNA Disorazole DMSO Run2	NM_002912	REV3L	REV3-like, catalytic subunit of DNA polymerase zeta (yeast)	0.096287	Inlier
siRNA Disorazole DMSO Run1	NM_002912	REV3L	REV3-like, catalytic subunit of DNA polymerase zeta (yeast)	0.911323	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002912	REV3L	REV3-like, catalytic subunit of DNA polymerase zeta (yeast)	1.079858	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0029 12	REV3L	REV3-like, catalytic subunit of DNA polymerase zeta (yeast) replication factor C (activator 1) 1, 145kDa	1.100214	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0029 13	RFC1	replication factor C (activator 1) 1, 145kDa	-1.299372	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0029 13	RFC1	replication factor C (activator 1) 1, 145kDa	-0.72371	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0029 13	RFC1	replication factor C (activator 1) 1, 145kDa	-0.202055	Inlier
siRNA Disorazole DMSO Run3	NM_0029 13	RFC1	replication factor C (activator 1) 1, 145kDa	-0.122005	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0029 13	RFC1	replication factor C (activator 1) 1, 145kDa	0.122005	Inlier
siRNA Disorazole DMSO Run1	NM_0029 13	RFC1	replication factor C (activator 1) 1, 145kDa	0.62529	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0029 13	RFC1	replication factor C (activator 1) 1, 145kDa	1.021083	Inlier
siRNA Disorazole DMSO Run2	NM_0029 13	RFC1	replication factor C (activator 1) 1, 145kDa	1.357008	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Run	Condition	Protein	Value	Outlier
siRNA Disorazole DMSO Run1	NM_1815	73	RFC4	replication factor C (activator 1) 4, 37kDa	-2.470629	Inlier
siRNA Disorazole DMSO Run3	NM_1815	73	RFC4	replication factor C (activator 1) 4, 37kDa	-1.751707	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1815	73	RFC4	replication factor C (activator 1) 4, 37kDa	-0.467991	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1815	73	RFC4	replication factor C (activator 1) 4, 37kDa	-0.142821	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1815	73	RFC4	replication factor C (activator 1) 4, 37kDa	0.142824	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1815	73	RFC4	replication factor C (activator 1) 4, 37kDa	0.381012	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1815	73	RFC4	replication factor C (activator 1) 4, 37kDa	0.881009	Inlier
siRNA Disorazole DMSO Run2	NM_1815	73	RFC4	replication factor C (activator 1) 4, 37kDa	2.512872	Inlier
siRNA Disorazole DMSO Run3	NM_1815	78	RFC5	replication factor C (activator 1) 5, 36.5kDa	-0.789609	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1815	78	RFC5	replication factor C (activator 1) 5, 36.5kDa	-0.559391	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_1815 78	RFC5	replication factor C (activator 1) 5, 36.5kDa	-0.256893	Inlier
siRNA Disorazole DMSO Run1	NM_1815 78	RFC5	replication factor C (activator 1) 5, 36.5kDa	-0.142743	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1815 78	RFC5	replication factor C (activator 1) 5, 36.5kDa	0.142744	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1815 78	RFC5	replication factor C (activator 1) 5, 36.5kDa	1.529796	Inlier
siRNA Disorazole DMSO Run2	NM_1815 78	RFC5	replication factor C (activator 1) 5, 36.5kDa	1.547519	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1815 78	RFC5	replication factor C (activator 1) 5, 36.5kDa	2.723739	Inlier
siRNA Disorazole DMSO Run2	NM_0183 39	RFK	riboflavin kinase	-2.912994	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0183 39	RFK	riboflavin kinase	-1.880321	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0183 39	RFK	riboflavin kinase	-0.712663	Inlier
siRNA Disorazole DMSO Run1	NM_0183 39	RFK	riboflavin kinase	-0.111998	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0183 39	RFK	riboflavin kinase	0.111998	Inlier
siRNA Disorazole DMSO Run3	NM_0183 39	RFK	riboflavin kinase	0.163325	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0183 39	RFK	riboflavin kinase	0.636337	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0183 39	RFK	riboflavin kinase	1.163344	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0210 26	RFPL1	ret finger protein-like 1	-1.561691	Inlier
siRNA Disorazole DMSO Run1	NM_0210 26	RFPL1	ret finger protein-like 1	-0.873151	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology				ret finger	
siRNA-Temozolomide Run1-DMSO	NM_0210 26	RFPL1	protein-like 1	-0.454507	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0210 26	RFPL1	protein-like 1	-0.322891	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0210 26	RFPL1	protein-like 1	0.322892	Inlier
siRNA Disorazole DMSO Run3	NM_0210 26	RFPL1	protein-like 1	0.475849	Inlier
siRNA Disorazole DMSO Run2	NM_0210 26	RFPL1	protein-like 1	0.887292	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0210 26	RFPL1	protein-like 1	1.335965	Inlier
siRNA Disorazole DMSO Run1	NM_0066 05	RFPL2	protein-like 2	-1.250968	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0066 05	RFPL2	protein-like 2	-0.618821	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0066 05	RFPL2	protein-like 2	-0.17807	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0066 05	RFPL2	protein-like 2	-0.011376	Inlier
siRNA Disorazole DMSO Run3	NM_0066 05	RFPL2	protein-like 2	0.011375	Inlier
siRNA Disorazole DMSO Run2	NM_0066 05	RFPL2	protein-like 2	0.730179	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0066 05	RFPL2	protein-like 2	0.872095	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0066 05	RFPL2	protein-like 2	1.650542	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0066 04	RFPL3	protein-like 3	-2.499949	Inlier
siRNA Disorazole DMSO Run3	NM_0066 04	RFPL3	protein-like 3	-0.475363	Inlier
siRNA Disorazole DMSO Run1	NM_0066 04	RFPL3	protein-like 3	-0.273371	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology					
siRNA-Temozolomide Run3-DMSO	NM_006604	RFPL3	ret finger protein-like 3	-0.181063	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006604	RFPL3	ret finger protein-like 3	0.181063	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006604	RFPL3	ret finger protein-like 3	0.873637	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006604	RFPL3	ret finger protein-like 3	2.81271	Inlier
siRNA Disorazole DMSO Run2	NM_006604	RFPL3	ret finger protein-like 3	5.086946	Outlier
siRNA-Temozolomide Run1-DMSO	NM_015149	RGL1	ret finger protein-like 3 guanine nucleotide dissociation stimulator-like 1	-0.943836	Inlier
siRNA-Temozolomide Run2-DMSO	NM_015149	RGL1	ret finger protein-like 3 guanine nucleotide dissociation stimulator-like 1	-0.780122	Inlier
siRNA-Vinblastine Run2-DMSO	NM_015149	RGL1	ret finger protein-like 3 guanine nucleotide dissociation stimulator-like 1	-0.38397	Inlier
siRNA-Temozolomide Run3-DMSO	NM_015149	RGL1	ret finger protein-like 3 guanine nucleotide dissociation stimulator-like 1	-0.021372	Inlier
siRNA Disorazole DMSO Run3	NM_015149	RGL1	ret finger protein-like 3 guanine nucleotide dissociation stimulator-like 1	0.021372	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0151 49	RGL1	stimulator-like 1	0.665222	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0151 49	RGL1	stimulator-like 1	0.683778	Inlier
siRNA Disorazole DMSO Run2	NM_0151 49	RGL1	stimulator-like 1	1.334645	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0047 61	RGL2	stimulator-like 2	-4.359878	Outlier
siRNA Disorazole DMSO Run3	NM_0047 61	RGL2	stimulator-like 2	-0.643975	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0047 61	RGL2	stimulator-like 2	-0.552273	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0047 61	RGL2	stimulator-like 2	-0.473446	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			ral guanine nucleotide dissociatio n	
siRNA-Temozolomide Run1- DMSO	NM_0047 61	RGL2	stimulator- like 2	0.473446 Inlier
			ral guanine nucleotide dissociatio n	
siRNA Disorazole DMSO Run1	NM_0047 61	RGL2	stimulator- like 2	0.705025 Inlier
			ral guanine nucleotide dissociatio n	
siRNA Disorazole DMSO Run2	NM_0047 61	RGL2	stimulator- like 2	3.046105 Inlier
			ral guanine nucleotide dissociatio n	
siRNA-Vinblastine Run1- DMSO	NM_0047 61	RGL2	stimulator- like 2	3.620983 Outlier
			retinal G protein coupled receptor	
siRNA-Temozolomide Run3- DMSO	NM_0010 12720	RGR	retinal G protein coupled receptor	-0.979031 Inlier
			retinal G protein coupled receptor	
siRNA Disorazole DMSO Run2	NM_0010 12720	RGR	retinal G protein coupled receptor	-0.739828 Inlier
			retinal G protein coupled receptor	
siRNA Disorazole DMSO Run3	NM_0010 12720	RGR	retinal G protein coupled receptor	-0.636047 Inlier
			retinal G protein coupled receptor	
siRNA-Temozolomide Run1- DMSO	NM_0010 12720	RGR	retinal G protein coupled receptor	-0.040746 Inlier
			retinal G protein coupled receptor	
siRNA Disorazole DMSO Run1	NM_0010 12720	RGR	receptor	0.040746 Inlier
siRNA-Temozolomide Run3- DMSO	NM_1536 15	Rgr	Rgr	-2.624703 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0010 12720	RGR	retinal G protein coupled receptor	0.212139	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1536 15	Rgr	Rgr	-0.732969	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1536 15	Rgr	Rgr	-0.529388	Inlier
siRNA Disorazole DMSO Run1	NM_1536 15	Rgr	Rgr	-0.394046	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 12720	RGR	retinal G protein coupled receptor	0.712953	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 12720	RGR	retinal G protein coupled receptor	0.897124	Inlier
siRNA Disorazole DMSO Run3	NM_1536 15	Rgr	Rgr	0.394046	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1536 15	Rgr	Rgr	0.616031	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1536 15	Rgr	Rgr	1.220896	Inlier
siRNA Disorazole DMSO Run2	NM_1536 15	Rgr	Rgr	1.249237	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0029 22	RGS1	regulator of G-protein signalling 1	-1.660561	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0029 22	RGS1	regulator of G-protein signalling 1	-1.223172	Inlier
siRNA Disorazole DMSO Run3	NM_0029 22	RGS1	regulator of G-protein signalling 1	-0.174606	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0029 22	RGS1	regulator of G-protein signalling 1	-0.125551	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0029 22	RGS1	regulator of G-protein signalling 1	0.125552	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Pathway	Value	Outlier Status
siRNA-Vinblastine Run1-DMSO	NM_002922	RGS1	regulator of G-protein signalling 1	0.628007	Inlier
siRNA Disorazole DMSO Run1	NM_002922	RGS1	regulator of G-protein signalling 1	0.720993	Inlier
siRNA Disorazole DMSO Run2	NM_002922	RGS1	regulator of G-protein signalling 1	0.829691	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002925	RGS10	regulator of G-protein signalling 10	-2.332013	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002925	RGS10	regulator of G-protein signalling 10	-2.039334	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002925	RGS10	regulator of G-protein signalling 10	-1.52599	Inlier
siRNA Disorazole DMSO Run3	NM_002925	RGS10	regulator of G-protein signalling 10	-0.025917	Inlier
siRNA Disorazole DMSO Run1	NM_002925	RGS10	regulator of G-protein signalling 10	0.025918	Inlier
siRNA Disorazole DMSO Run2	NM_002925	RGS10	regulator of G-protein signalling 10	0.13621	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002925	RGS10	regulator of G-protein signalling 10	0.240254	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0029 25	RGS10	regulator of G-protein signalling 10	1.108746	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1833 37	RGS11	regulator of G-protein signalling 11	-2.308825	Inlier
siRNA Disorazole DMSO Run2	NM_1833 37	RGS11	regulator of G-protein signalling 11	-2.206883	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1833 37	RGS11	regulator of G-protein signalling 11	-0.354127	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1833 37	RGS11	regulator of G-protein signalling 11	-0.131261	Inlier
siRNA Disorazole DMSO Run3	NM_1833 37	RGS11	regulator of G-protein signalling 11	0.131262	Inlier
siRNA Disorazole DMSO Run1	NM_1833 37	RGS11	regulator of G-protein signalling 11	0.265511	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1833 37	RGS11	regulator of G-protein signalling 11	0.994873	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1833 37	RGS11	regulator of G-protein signalling 11	1.141626	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1447 66	RGS13	regulator of G-protein signalling 13	-1.28752	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_1447 66	RGS13	regulator of G-protein signalling 13	-0.89916	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1447 66	RGS13	regulator of G-protein signalling 13	-0.660586	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1447 66	RGS13	regulator of G-protein signalling 13	-0.144367	Inlier
siRNA Disorazole DMSO Run3	NM_1447 66	RGS13	regulator of G-protein signalling 13	0.144367	Inlier
siRNA Disorazole DMSO Run1	NM_1447 66	RGS13	regulator of G-protein signalling 13	0.492495	Inlier
siRNA Disorazole DMSO Run2	NM_1447 66	RGS13	regulator of G-protein signalling 13	0.688414	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1447 66	RGS13	regulator of G-protein signalling 13	1.043045	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0064 80	RGS14	regulator of G-protein signalling 14	-0.998876	Inlier
siRNA Disorazole DMSO Run3	NM_0064 80	RGS14	regulator of G-protein signalling 14	-0.726593	Inlier
siRNA Disorazole DMSO Run2	NM_0064 80	RGS14	regulator of G-protein signalling 14	-0.709544	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0064 80	RGS14	regulator of G- protein signalling 14	-0.075182	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0064 80	RGS14	regulator of G- protein signalling 14	0.075182	Inlier
siRNA Disorazole DMSO Run1	NM_0064 80	RGS14	regulator of G- protein signalling 14	0.388178	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0064 80	RGS14	regulator of G- protein signalling 14	0.639456	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0064 80	RGS14	regulator of G- protein signalling 14	0.761787	Inlier
siRNA Disorazole DMSO Run2	NM_0029 28	RGS16	regulator of G- protein signalling 16	-4.520005	Outlier
siRNA Disorazole DMSO Run3	NM_0029 28	RGS16	regulator of G- protein signalling 16	-0.583433	Inlier
siRNA Disorazole DMSO Run1	NM_0029 28	RGS16	regulator of G- protein signalling 16	-0.449432	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0029 28	RGS16	regulator of G- protein signalling 16	-0.290588	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0029 28	RGS16	regulator of G- protein signalling 16	0.290589	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0029 28	RGS16	regulator of G-protein signalling 16	0.765567	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0029 28	RGS16	regulator of G-protein signalling 16	1.183597	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0029 28	RGS16	regulator of G-protein signalling 16	1.625927	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0124 19	RGS17	regulator of G-protein signalling 17	-0.882745	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0124 19	RGS17	regulator of G-protein signalling 17	-0.876221	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0124 19	RGS17	regulator of G-protein signalling 17	-0.042298	Inlier
siRNA Disorazole DMSO Run3	NM_0124 19	RGS17	regulator of G-protein signalling 17	-0.001229	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0124 19	RGS17	regulator of G-protein signalling 17	0.001229	Inlier
siRNA Disorazole DMSO Run1	NM_0124 19	RGS17	regulator of G-protein signalling 17	0.554173	Inlier
siRNA Disorazole DMSO Run2	NM_0124 19	RGS17	regulator of G-protein signalling 17	0.794827	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0124 19	RGS17	regulator of G-protein signalling 17	1.033412 Inlier
siRNA-Temozolomide Run3-DMSO	NM_1307 82	RGS18	regulator of G-protein signalling 18	-0.857107 Inlier
siRNA-Temozolomide Run2-DMSO	NM_1307 82	RGS18	regulator of G-protein signalling 18	-0.637509 Inlier
siRNA-Temozolomide Run1-DMSO	NM_1307 82	RGS18	regulator of G-protein signalling 18	-0.546374 Inlier
siRNA Disorazole DMSO Run3	NM_1307 82	RGS18	regulator of G-protein signalling 18	-0.181962 Inlier
siRNA-Vinblastine Run2-DMSO	NM_1307 82	RGS18	regulator of G-protein signalling 18	0.181962 Inlier
siRNA Disorazole DMSO Run1	NM_1307 82	RGS18	regulator of G-protein signalling 18	0.711491 Inlier
siRNA-Vinblastine Run1-DMSO	NM_1307 82	RGS18	regulator of G-protein signalling 18	0.860871 Inlier
siRNA Disorazole DMSO Run2	NM_1307 82	RGS18	regulator of G-protein signalling 18	1.146917 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0058 73	RGS19	regulator of G-protein signalling 19	-3.497353 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0058 73	RGS19	regulator of G-protein signalling 19	-0.454472	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0058 73	RGS19	regulator of G-protein signalling 19	-0.435997	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0058 73	RGS19	regulator of G-protein signalling 19	-0.351214	Inlier
siRNA Disorazole DMSO Run3	NM_0058 73	RGS19	regulator of G-protein signalling 19	0.351214	Inlier
siRNA Disorazole DMSO Run1	NM_0058 73	RGS19	regulator of G-protein signalling 19	0.894528	Inlier
siRNA Disorazole DMSO Run2	NM_0058 73	RGS19	regulator of G-protein signalling 19	2.875148	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0058 73	RGS19	regulator of G-protein signalling 19	4.082661	Outlier
siRNA Disorazole DMSO Run2	NM_0029 23	RGS2	regulator of G-protein signalling 2, 24kDa	-5.111007	Outlier
siRNA Disorazole DMSO Run1	NM_0029 23	RGS2	regulator of G-protein signalling 2, 24kDa	-2.210405	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0029 23	RGS2	regulator of G-protein signalling 2, 24kDa	-0.20304	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Value	Category
siRNA-Temozolomide Run1-DMSO	NM_002923	RGS2	regulator of G-protein signalling 2, 24kDa	-0.032675	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002923	RGS2	regulator of G-protein signalling 2, 24kDa	0.032675	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002923	RGS2	regulator of G-protein signalling 2, 24kDa	0.418117	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002923	RGS2	regulator of G-protein signalling 2, 24kDa	0.930883	Inlier
siRNA Disorazole DMSO Run3	NM_002923	RGS2	regulator of G-protein signalling 2, 24kDa	4.462789	Outlier
siRNA Disorazole DMSO Run2	NM_170587	RGS20	regulator of G-protein signalling 20	-3.727467	Outlier
siRNA-Temozolomide Run3-DMSO	NM_170587	RGS20	regulator of G-protein signalling 20	-1.833213	Inlier
siRNA Disorazole DMSO Run3	NM_170587	RGS20	regulator of G-protein signalling 20	-1.74188	Inlier
siRNA-Temozolomide Run1-DMSO	NM_170587	RGS20	regulator of G-protein signalling 20	-0.04322	Inlier
siRNA-Temozolomide Run2-DMSO	NM_170587	RGS20	regulator of G-protein signalling 20	0.04322	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Regulator	Value	Inlier
siRNA Disorazole DMSO Run1	NM_1705 87	RGS20	regulator of G-protein signalling 20	0.113877	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1705 87	RGS20	regulator of G-protein signalling 20	0.62476	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1705 87	RGS20	regulator of G-protein signalling 20	0.72424	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1444 89	RGS3	regulator of G-protein signalling 3	-1.224689	Inlier
siRNA Disorazole DMSO Run2	NM_1444 89	RGS3	regulator of G-protein signalling 3	-1.050639	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1444 89	RGS3	regulator of G-protein signalling 3	-0.654643	Inlier
siRNA Disorazole DMSO Run3	NM_1444 89	RGS3	regulator of G-protein signalling 3	-0.082739	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1444 89	RGS3	regulator of G-protein signalling 3	0.082739	Inlier
siRNA Disorazole DMSO Run1	NM_1444 89	RGS3	regulator of G-protein signalling 3	0.497682	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1444 89	RGS3	regulator of G-protein signalling 3	0.694357	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_1444 89	RGS3	regulator of G- protein signalling 3	0.835734	Inlier
siRNA Disorazole DMSO Run2	NM_0056 13	RGS4	regulator of G- protein signalling 4	-0.927991	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0056 13	RGS4	regulator of G- protein signalling 4	-0.688497	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0056 13	RGS4	regulator of G- protein signalling 4	-0.660503	Inlier
siRNA Disorazole DMSO Run3	NM_0056 13	RGS4	regulator of G- protein signalling 4	-0.320095	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0056 13	RGS4	regulator of G- protein signalling 4	0.320094	Inlier
siRNA Disorazole DMSO Run1	NM_0056 13	RGS4	regulator of G- protein signalling 4	0.590614	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0056 13	RGS4	regulator of G- protein signalling 4	1.180712	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0056 13	RGS4	regulator of G- protein signalling 4	1.238775	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0036 17	RGS5	regulator of G- protein signalling 5	-0.991011	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0036 17	RGS5	regulator of G- protein signalling 5	-0.917939	Inlier
siRNA Disorazole DMSO Run3	NM_0036 17	RGS5	regulator of G- protein signalling 5	-0.431061	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0036 17	RGS5	regulator of G- protein signalling 5	-0.013527	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0036 17	RGS5	regulator of G- protein signalling 5	0.013527	Inlier
siRNA Disorazole DMSO Run1	NM_0036 17	RGS5	regulator of G- protein signalling 5	0.400395	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0036 17	RGS5	regulator of G- protein signalling 5	1.044653	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0036 17	RGS5	regulator of G- protein signalling 5	1.130807	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0042 96	RGS6	regulator of G- protein signalling 6	-1.087388	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0042 96	RGS6	regulator of G- protein signalling 6	-0.953169	Inlier
siRNA Disorazole DMSO Run2	NM_0042 96	RGS6	regulator of G- protein signalling 6	-0.625911	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0042 96	RGS6	regulator of G- protein signalling 6	-0.041447	Inlier
siRNA Disorazole DMSO Run3	NM_0042 96	RGS6	regulator of G- protein signalling 6	0.041448	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0042 96	RGS6	regulator of G- protein signalling 6	0.634134	Inlier
siRNA Disorazole DMSO Run1	NM_0042 96	RGS6	regulator of G- protein signalling 6	0.714866	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0042 96	RGS6	regulator of G- protein signalling 6	0.723318	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0029 24	RGS7	regulator of G- protein signalling 7	-1.94072	Inlier
siRNA Disorazole DMSO Run2	NM_0029 24	RGS7	regulator of G- protein signalling 7	-1.17064	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0029 24	RGS7	regulator of G- protein signalling 7	-0.836942	Inlier
siRNA Disorazole DMSO Run3	NM_0029 24	RGS7	regulator of G- protein signalling 7	-0.088004	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0029 24	RGS7	regulator of G- protein signalling 7	0.088004	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Pathway	Score	Outlier Status
siRNA Disorazole DMSO Run1	NM_0029 24	RGS7	regulator of G-protein signalling 7	0.435356	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0029 24	RGS7	regulator of G-protein signalling 7	0.512058	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0029 24	RGS7	regulator of G-protein signalling 7	1.156824	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0333 45	RGS8	regulator of G-protein signalling 8	-2.364419	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0333 45	RGS8	regulator of G-protein signalling 8	-2.304282	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0333 45	RGS8	regulator of G-protein signalling 8	-0.189506	Inlier
siRNA Disorazole DMSO Run3	NM_0333 45	RGS8	regulator of G-protein signalling 8	-0.029196	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0333 45	RGS8	regulator of G-protein signalling 8	0.029196	Inlier
siRNA Disorazole DMSO Run2	NM_0333 45	RGS8	regulator of G-protein signalling 8	0.495775	Inlier
siRNA Disorazole DMSO Run1	NM_0333 45	RGS8	regulator of G-protein signalling 8	0.853225	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0333 45	RGS8	regulator of G-protein signalling 8	1.079886	Inlier
siRNA Disorazole DMSO Run2	NM_0038 35	RGS9	regulator of G-protein signalling 9	-0.994383	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0038 35	RGS9	regulator of G-protein signalling 9	-0.354617	Inlier
siRNA Disorazole DMSO Run1	NM_0038 35	RGS9	regulator of G-protein signalling 9	-0.276158	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0038 35	RGS9	regulator of G-protein signalling 9	-0.119572	Inlier
siRNA Disorazole DMSO Run3	NM_0038 35	RGS9	regulator of G-protein signalling 9	0.119571	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0038 35	RGS9	regulator of G-protein signalling 9	1.205581	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0038 35	RGS9	regulator of G-protein signalling 9	2.25213	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0038 35	RGS9	regulator of G-protein signalling 9	2.261912	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0039 61	RHBDL1	rhomboid, veinlet-like 1 (Drosophila)	-1.369306	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			rhomboid, veinlet-like 1	
siRNA-Temozolomide Run2- DMSO	NM_0039 61	RHBDL1	(Drosophil a)	-0.973027 Inlier
			rhomboid, veinlet-like 1	
siRNA-Temozolomide Run1- DMSO	NM_0039 61	RHBDL1	(Drosophil a)	-0.415272 Inlier
			rhomboid, veinlet-like 1	
siRNA Disorazole DMSO Run3	NM_0039 61	RHBDL1	(Drosophil a)	-0.075189 Inlier
			rhomboid, veinlet-like 1	
siRNA Disorazole DMSO Run1	NM_0039 61	RHBDL1	(Drosophil a)	0.075189 Inlier
			rhomboid, veinlet-like 1	
siRNA-Vinblastine Run2- DMSO	NM_0039 61	RHBDL1	(Drosophil a)	0.531866 Inlier
			rhomboid, veinlet-like 1	
siRNA Disorazole DMSO Run2	NM_0039 61	RHBDL1	(Drosophil a)	0.817134 Inlier
			rhomboid, veinlet-like 1	
siRNA-Vinblastine Run1- DMSO	NM_0039 61	RHBDL1	(Drosophil a)	1.375507 Inlier
			rhomboid, veinlet-like 2	
siRNA-Temozolomide Run2- DMSO	NM_0178 21	RHBDL2	(Drosophil a)	-0.909672 Inlier
			rhomboid, veinlet-like 2	
siRNA-Temozolomide Run1- DMSO	NM_0178 21	RHBDL2	(Drosophil a)	-0.597672 Inlier
			rhomboid, veinlet-like 2	
siRNA Disorazole DMSO Run1	NM_0178 21	RHBDL2	(Drosophil a)	-0.139844 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0178 21	RHBDL2	rhomboid, veinlet-like 2 (Drosophil a)	-0.126361	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0178 21	RHBDL2	rhomboid, veinlet-like 2 (Drosophil a)	0.12636	Inlier
siRNA Disorazole DMSO Run2	NM_0178 21	RHBDL2	rhomboid, veinlet-like 2 (Drosophil a)	0.751328	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0178 21	RHBDL2	rhomboid, veinlet-like 2 (Drosophil a)	1.006702	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0178 21	RHBDL2	rhomboid, veinlet-like 4 (Drosophil a)	1.659449	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1383 28	RHBDL4	rhomboid, veinlet-like 4 (Drosophil a)	-0.829172	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1383 28	RHBDL4	rhomboid, veinlet-like 4 (Drosophil a)	-0.558425	Inlier
siRNA Disorazole DMSO Run1	NM_1383 28	RHBDL4	rhomboid, veinlet-like 4 (Drosophil a)	-0.336235	Inlier
siRNA Disorazole DMSO Run2	NM_1383 28	RHBDL4	rhomboid, veinlet-like 4 (Drosophil a)	-0.127476	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1383 28	RHBDL4	rhomboid, veinlet-like 4 (Drosophil a)	0.127476	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

				rhomboid, veinlet-like 4	
siRNA Disorazole DMSO Run3	NM_1383 28	RHBDL4	(Drosophil a)	0.790575	Inlier
			rhomboid, veinlet-like 4		
siRNA-Vinblastine Run2- DMSO	NM_1383 28	RHBDL4	(Drosophil a)	2.079407	Inlier
			rhomboid, veinlet-like 4		
siRNA-Vinblastine Run1- DMSO	NM_1383 28	RHBDL4	(Drosophil a)	2.464733	Inlier
			Ras		
siRNA-Temozolomide Run3- DMSO	NM_0056 14	RHEB	homolog enriched in brain	-2.265781	Inlier
			Ras		
siRNA-Vinblastine Run2- DMSO	NM_0056 14	RHEB	homolog enriched in brain	-1.048636	Inlier
			Ras		
siRNA Disorazole DMSO Run3	NM_0056 14	RHEB	homolog enriched in brain	-0.762477	Inlier
			Ras		
siRNA Disorazole DMSO Run1	NM_0056 14	RHEB	homolog enriched in brain	-0.238143	Inlier
			Ras		
siRNA-Vinblastine Run1- DMSO	NM_0056 14	RHEB	homolog enriched in brain	0.238144	Inlier
			Ras		
siRNA-Temozolomide Run1- DMSO	NM_0056 14	RHEB	homolog enriched in brain	0.482675	Inlier
			Ras		
siRNA-Temozolomide Run2- DMSO	NM_0056 14	RHEB	homolog enriched in brain	0.586523	Inlier
			Ras		
siRNA Disorazole DMSO Run2	NM_0056 14	RHEB	homolog enriched in brain	1.224804	Inlier
			Ras		
siRNA-Temozolomide Run3- DMSO	NM_1445 93	RHEBL1	homolog enriched in brain like 1	-2.42257	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_1445 93	RHEBL1	Ras homolog enriched in brain like 1	-0.996432	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1445 93	RHEBL1	Ras homolog enriched in brain like 1	-0.489831	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1445 93	RHEBL1	Ras homolog enriched in brain like 1	-0.389539	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1445 93	RHEBL1	Ras homolog enriched in brain like 1	0.389539	Inlier
siRNA Disorazole DMSO Run3	NM_1445 93	RHEBL1	Ras homolog enriched in brain like 1	0.487924	Inlier
siRNA Disorazole DMSO Run1	NM_1445 93	RHEBL1	Ras homolog enriched in brain like 1	0.859169	Inlier
siRNA Disorazole DMSO Run2	NM_1445 93	RHEBL1	Ras homolog enriched in brain like 1	1.314837	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0005 39	RHO	rhodopsin (opsin 2, rod pigment) (retinitis pigmentosa 4, autosomal dominant)	-0.951773	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0005 39	RHO	rhodopsin (opsin 2, rod pigment) (retinitis pigmentos a 4, autosomal dominant)	-0.813105	Inlier
siRNA Disorazole DMSO Run3	NM_0005 39	RHO	rhodopsin (opsin 2, rod pigment) (retinitis pigmentos a 4, autosomal dominant)	-0.535895	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0005 39	RHO	rhodopsin (opsin 2, rod pigment) (retinitis pigmentos a 4, autosomal dominant)	-0.028774	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0005 39	RHO	rhodopsin (opsin 2, rod pigment) (retinitis pigmentos a 4, autosomal dominant)	0.028774	Inlier
siRNA Disorazole DMSO Run1	NM_0005 39	RHO	rhodopsin (opsin 2, rod pigment) (retinitis pigmentos a 4, autosomal dominant)	0.472938	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_000539	RHO	rhodopsin (opsin 2, rod pigment) (retinitis pigmentosa 4, autosomal dominant)	0.875175	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000539	RHO	rhodopsin (opsin 2, rod pigment) (retinitis pigmentosa 4, autosomal dominant)	0.97112	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001664	RHOA	ras homolog gene family, member A	-2.049571	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001664	RHOA	ras homolog gene family, member A	-1.423091	Inlier
siRNA Disorazole DMSO Run3	NM_001664	RHOA	ras homolog gene family, member A	-0.760899	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001664	RHOA	ras homolog gene family, member A	-0.300245	Inlier
siRNA Disorazole DMSO Run1	NM_001664	RHOA	ras homolog gene family, member A	0.300245	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_001664	RHOA	ras homolog gene family, member A	0.305951	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001664	RHOA	ras homolog gene family, member A	0.588101	Inlier
siRNA Disorazole DMSO Run2	NM_001664	RHOA	ras homolog gene family, member A	1.199015	Inlier
siRNA Disorazole DMSO Run3	NM_004040	RHOB	ras homolog gene family, member B	-0.845387	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004040	RHOB	ras homolog gene family, member B	-0.762634	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004040	RHOB	ras homolog gene family, member B	-0.392554	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004040	RHOB	ras homolog gene family, member B	-0.260189	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004040	RHOB	ras homolog gene family, member B	0.260189	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0040 40	RHOB	ras homolog gene family, member B	0.586366	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0040 40	RHOB	ras homolog gene family, member B	1.410396	Inlier
siRNA Disorazole DMSO Run2	NM_0040 40	RHOB	ras homolog gene family, member B	1.640531	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1982 25	RHOBTB1	Rho- related BTB domain containing 1	-0.75404	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1982 25	RHOBTB1	Rho- related BTB domain containing 1	-0.708853	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1982 25	RHOBTB1	Rho- related BTB domain containing 1	-0.673484	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1982 25	RHOBTB1	Rho- related BTB domain containing 1	-0.04539	Inlier
siRNA Disorazole DMSO Run3	NM_1982 25	RHOBTB1	Rho- related BTB domain containing 1	0.045391	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Score	Category
siRNA-Vinblastine Run2-DMSO	NM_014899	RHOBTB3	Rho-related BTB domain containing 3	1.167626	Inlier
siRNA Disorazole DMSO Run2	NM_014899	RHOBTB3	Rho-related BTB domain containing 3	3.099153	Inlier
siRNA Disorazole DMSO Run3	NM_014899	RHOBTB3	Rho-related BTB domain containing 3	4.663579	Outlier
siRNA-Temozolomide Run3-DMSO	NM_175744	RHOC	ras homolog gene family, member C	-2.744881	Inlier
siRNA Disorazole DMSO Run3	NM_175744	RHOC	ras homolog gene family, member C	-1.26478	Inlier
siRNA-Vinblastine Run2-DMSO	NM_175744	RHOC	ras homolog gene family, member C	-0.897049	Inlier
siRNA Disorazole DMSO Run1	NM_175744	RHOC	ras homolog gene family, member C	-0.163219	Inlier
siRNA-Temozolomide Run2-DMSO	NM_175744	RHOC	ras homolog gene family, member C	0.163219	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_1757 44	RHOC	ras homolog gene family, member C	0.301924	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1757 44	RHOC	ras homolog gene family, member C	0.451951	Inlier
siRNA Disorazole DMSO Run2	NM_1757 44	RHOC	ras homolog gene family, member C	1.187361	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0145 78	RHOD	ras homolog gene family, member D	-0.827806	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0145 78	RHOD	ras homolog gene family, member D	-0.521194	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0145 78	RHOD	ras homolog gene family, member D	-0.456308	Inlier
siRNA Disorazole DMSO Run3	NM_0145 78	RHOD	ras homolog gene family, member D	-0.350684	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0145 78	RHOD	ras homolog gene family, member D	0.350685	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0145 78	RHOD	ras homolog gene family, member D	1.688764	Inlier
siRNA Disorazole DMSO Run2	NM_0145 78	RHOD	ras homolog gene family, member D	2.712593	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0145 78	RHOD	ras homolog gene family, member D	3.555839	Outlier
siRNA-Temozolomide Run3- DMSO	NM_0190 34	RHOF	ras homolog gene family, member F (in filopodia)	-0.806369	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0190 34	RHOF	ras homolog gene family, member F (in filopodia)	-0.693133	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0190 34	RHOF	ras homolog gene family, member F (in filopodia)	-0.380077	Inlier
siRNA Disorazole DMSO Run3	NM_0190 34	RHOF	ras homolog gene family, member F (in filopodia)	-0.04599	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Value	Category
siRNA-Vinblastine Run2-DMSO	NM_019034	RHOF	ras homolog gene family, member F (in filopodia)	0.04599	Inlier
siRNA Disorazole DMSO Run1	NM_019034	RHOF	ras homolog gene family, member F (in filopodia)	0.655867	Inlier
siRNA-Vinblastine Run1-DMSO	NM_019034	RHOF	ras homolog gene family, member F (in filopodia)	0.699437	Inlier
siRNA Disorazole DMSO Run2	NM_019034	RHOF	ras homolog gene family, member F (in filopodia)	1.331203	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001665	RHOG	ras homolog gene family, member G (rho G)	-1.96222	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001665	RHOG	ras homolog gene family, member G (rho G)	-1.352109	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001665	RHOG	ras homolog gene family, member G (rho G)	-0.403657	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001665	RHOG	ras homolog gene family, member G (rho G)	-0.124147	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0016 65	RHOG	ras homolog gene family, member G (rho G)	0.124147	Inlier
siRNA Disorazole DMSO Run1	NM_0016 65	RHOG	ras homolog gene family, member G (rho G)	0.449153	Inlier
siRNA Disorazole DMSO Run2	NM_0016 65	RHOG	ras homolog gene family, member G (rho G)	0.899847	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0016 65	RHOG	ras homolog gene family, member G (rho G)	1.325314	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0043 10	RHOH	ras homolog gene family, member H	-4.035036	Outlier
siRNA-Vinblastine Run2- DMSO	NM_0043 10	RHOH	ras homolog gene family, member H	-2.182203	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0043 10	RHOH	ras homolog gene family, member H	-0.504676	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0043 10	RHOH	ras homolog gene family, member H	-0.297274	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0043 10	RHOH	ras homolog gene family, member H	0.297274	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0043 10	RHOH	ras homolog gene family, member H	0.625044	Inlier
siRNA Disorazole DMSO Run2	NM_0043 10	RHOH	ras homolog gene family, member H	0.723956	Inlier
siRNA Disorazole DMSO Run1	NM_0043 10	RHOH	ras homolog gene family, member H	1.22138	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0206 63	RHOJ	ras homolog gene family, member J	-1.031676	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0206 63	RHOJ	ras homolog gene family, member J	-0.555397	Inlier
siRNA Disorazole DMSO Run3	NM_0206 63	RHOJ	ras homolog gene family, member J	-0.449885	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0206 63	RHOJ	ras homolog gene family, member J	-0.127925	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0206 63	RHOJ	ras homolog gene family, member J	0.127925	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0206 63	RHOJ	ras homolog gene family, member J	0.793603	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0206 63	RHOJ	ras homolog gene family, member J	0.919901	Inlier
siRNA Disorazole DMSO Run2	NM_0206 63	RHOJ	ras homolog gene family, member J	1.381236	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0122 49	RHOQ	ras homolog gene family, member Q	-1.316133	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0122 49	RHOQ	ras homolog gene family, member Q	-0.501654	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0122 49	RHOQ	ras homolog gene family, member Q	-0.4393	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0122 49	RHOQ	ras homolog gene family, member Q	-0.249161	Inlier
siRNA Disorazole DMSO Run3	NM_0122 49	RHOQ	ras homolog gene family, member Q	0.249162	Inlier
siRNA Disorazole DMSO Run1	NM_0122 49	RHOQ	ras homolog gene family, member Q	0.847346	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0122 49	RHOQ	ras homolog gene family, member Q	0.955995 Inlier
siRNA Disorazole DMSO Run2	NM_0122 49	RHOQ	ras homolog gene family, member Q	1.324024 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0183 07	RHOT1	ras homolog gene family, member T1	-0.849435 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0183 07	RHOT1	ras homolog gene family, member T1	-0.499565 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0183 07	RHOT1	ras homolog gene family, member T1	-0.420336 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0183 07	RHOT1	ras homolog gene family, member T1	-0.347339 Inlier
siRNA Disorazole DMSO Run3	NM_0183 07	RHOT1	ras homolog gene family, member T1	0.347339 Inlier
siRNA Disorazole DMSO Run1	NM_0183 07	RHOT1	ras homolog gene family, member T1	1.918213 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_018307	RHOT1	ras homolog gene family, member T1	5.683858	Outlier
siRNA Disorazole DMSO Run2	NM_018307	RHOT1	ras homolog gene family, member T1	6.783616	Outlier
siRNA-Temozolomide Run3-DMSO	NM_138769	RHOT2	ras homolog gene family, member T2	-3.556327	Outlier
siRNA-Temozolomide Run2-DMSO	NM_138769	RHOT2	ras homolog gene family, member T2	-2.137785	Inlier
siRNA-Vinblastine Run2-DMSO	NM_138769	RHOT2	ras homolog gene family, member T2	-0.350596	Inlier
siRNA Disorazole DMSO Run1	NM_138769	RHOT2	ras homolog gene family, member T2	-0.046311	Inlier
siRNA Disorazole DMSO Run3	NM_138769	RHOT2	ras homolog gene family, member T2	0.046311	Inlier
siRNA-Temozolomide Run1-DMSO	NM_138769	RHOT2	ras homolog gene family, member T2	0.547008	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_1387 69	RHOT2	ras homolog gene family, member T2	0.801992	Inlier
siRNA Disorazole DMSO Run2	NM_1387 69	RHOT2	ras homolog gene family, member T2	1.701435	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0212 05	RHOU	ras homolog gene family, member U	-1.913647	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0212 05	RHOU	ras homolog gene family, member U	-0.911473	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0212 05	RHOU	ras homolog gene family, member U	-0.639865	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0212 05	RHOU	ras homolog gene family, member U	-0.05113	Inlier
siRNA Disorazole DMSO Run1	NM_0212 05	RHOU	ras homolog gene family, member U	0.05113	Inlier
siRNA Disorazole DMSO Run3	NM_0212 05	RHOU	ras homolog gene family, member U	0.344479	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_021205	RHOV	ras homolog gene family, member U	0.709135	Inlier
siRNA Disorazole DMSO Run2	NM_021205	RHOV	ras homolog gene family, member U	0.864381	Inlier
siRNA-Vinblastine Run1-DMSO	NM_133639	RHOV	ras homolog gene family, member V	-2.218503	Inlier
siRNA-Temozolomide Run3-DMSO	NM_133639	RHOV	ras homolog gene family, member V	-0.819388	Inlier
siRNA Disorazole DMSO Run3	NM_133639	RHOV	ras homolog gene family, member V	-0.610891	Inlier
siRNA Disorazole DMSO Run2	NM_133639	RHOV	ras homolog gene family, member V	-0.018539	Inlier
siRNA-Vinblastine Run2-DMSO	NM_133639	RHOV	ras homolog gene family, member V	0.018539	Inlier
siRNA-Temozolomide Run1-DMSO	NM_133639	RHOV	ras homolog gene family, member V	0.604075	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_1336 39	RHOV	ras homolog gene family, member V	0.738109	Inlier
siRNA Disorazole DMSO Run1	NM_1336 39	RHOV	ras homolog gene family, member V	1.053982	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0147 15	RICS	RICS	-1.656938	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0147 15	RICS	RICS	-0.838999	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0147 15	RICS	RICS	-0.510001	Inlier
siRNA Disorazole DMSO Run3	NM_0147 15	RICS	RICS	-0.084416	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0147 15	RICS	RICS	0.084416	Inlier
siRNA Disorazole DMSO Run1	NM_0147 15	RICS	RICS	0.467029	Inlier
siRNA Disorazole DMSO Run2	NM_0147 15	RICS	RICS	3.11772	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0147 15	RICS	RICS	3.382913	Inlier
siRNA Disorazole DMSO Run2	NM_0314 30	RILP	Rab interacting lysosomal protein	-0.95414	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0314 30	RILP	Rab interacting lysosomal protein	-0.460887	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0314 30	RILP	Rab interacting lysosomal protein	-0.435772	Inlier
siRNA Disorazole DMSO Run1	NM_0314 30	RILP	Rab interacting lysosomal protein	-0.078309	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0314 30	RILP	Rab interacting lysosomal protein	0.078309 Inlier
siRNA Disorazole DMSO Run3	NM_0314 30	RILP	Rab interacting lysosomal protein	0.888113 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0314 30	RILP	Rab interacting lysosomal protein	1.587528 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0314 30	RILP	Rab interacting lysosomal protein	2.357102 Inlier
siRNA Disorazole DMSO Run2	NM_0314 80	RIOK1	RIO kinase 1 (yeast)	-2.033257 Inlier
siRNA Disorazole DMSO Run3	NM_0314 80	RIOK1	RIO kinase 1 (yeast)	-0.451146 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0314 80	RIOK1	RIO kinase 1 (yeast)	-0.149031 Inlier
siRNA Disorazole DMSO Run1	NM_0314 80	RIOK1	RIO kinase 1 (yeast)	-0.020784 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0314 80	RIOK1	RIO kinase 1 (yeast)	0.020784 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0314 80	RIOK1	RIO kinase 1 (yeast)	0.897854 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0314 80	RIOK1	RIO kinase 1 (yeast)	1.701812 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0314 80	RIOK1	RIO kinase 1 (yeast)	1.815286 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0183 43	RIOK2	RIO kinase 2 (yeast)	-0.836326 Inlier
siRNA Disorazole DMSO Run2	NM_0183 43	RIOK2	RIO kinase 2 (yeast)	-0.512674 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology				RIO	
siRNA-Temozolomide Run1-DMSO	NM_0183 43	RIOK2	kinase 2 (yeast)	-0.23718	Inlier
siRNA Disorazole DMSO Run3	NM_0183 43	RIOK2	kinase 2 (yeast)	-0.137624	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0183 43	RIOK2	kinase 2 (yeast)	0.137624	Inlier
siRNA Disorazole DMSO Run1	NM_0183 43	RIOK2	kinase 2 (yeast)	1.04408	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0183 43	RIOK2	kinase 2 (yeast)	1.395078	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0183 43	RIOK2	kinase 2 (yeast)	1.669464	Inlier
siRNA Disorazole DMSO Run2	NM_1459 06	RIOK3	kinase 3 (yeast)	-0.965554	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1459 06	RIOK3	kinase 3 (yeast)	-0.919091	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1459 06	RIOK3	kinase 3 (yeast)	-0.407272	Inlier
siRNA Disorazole DMSO Run3	NM_1459 06	RIOK3	kinase 3 (yeast)	-0.285469	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1459 06	RIOK3	kinase 3 (yeast)	0.285469	Inlier
siRNA Disorazole DMSO Run1	NM_1459 06	RIOK3	kinase 3 (yeast)	0.429909	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1459 06	RIOK3	kinase 3 (yeast)	1.89782	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1459 06	RIOK3	kinase 3 (yeast)	2.178558	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0038 04	RIPK1	receptor (TNFRSF)- interacting serine- threonine kinase 1	-1.180985	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_003804	RIPK1	receptor (TNFRSF)-interacting serine-threonine kinase 1	-0.704674	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003804	RIPK1	receptor (TNFRSF)-interacting serine-threonine kinase 1	-0.522146	Inlier
siRNA Disorazole DMSO Run3	NM_003804	RIPK1	receptor (TNFRSF)-interacting serine-threonine kinase 1	-0.06119	Inlier
siRNA Disorazole DMSO Run1	NM_003804	RIPK1	receptor (TNFRSF)-interacting serine-threonine kinase 1	0.06119	Inlier
siRNA Disorazole DMSO Run2	NM_003804	RIPK1	receptor (TNFRSF)-interacting serine-threonine kinase 1	0.644326	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003804	RIPK1	receptor (TNFRSF)-interacting serine-threonine kinase 1	0.8284	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003804	RIPK1	receptor-interacting serine-threonine kinase 1	1.376711	Inlier
siRNA Disorazole DMSO Run2	NM_003821	RIPK2	receptor-interacting serine-threonine kinase 2	-0.707053	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003821	RIPK2	receptor-interacting serine-threonine kinase 2	-0.641947	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0038 21	RIPK2	receptor-interacting serine-threonine kinase 2	-0.31	Inlier
siRNA Disorazole DMSO Run3	NM_0038 21	RIPK2	receptor-interacting serine-threonine kinase 2	-0.131849	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0038 21	RIPK2	receptor-interacting serine-threonine kinase 2	0.131849	Inlier
siRNA Disorazole DMSO Run1	NM_0038 21	RIPK2	receptor-interacting serine-threonine kinase 2	1.503197	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0038 21	RIPK2	receptor-interacting serine-threonine kinase 2	2.102601	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0038 21	RIPK2	receptor-interacting serine-threonine kinase 2	3.610718	Outlier
siRNA Disorazole DMSO Run2	NM_0068 71	RIPK3	receptor-interacting serine-threonine kinase 3	-1.480671	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0068 71	RIPK3	receptor-interacting serine-threonine kinase 3	-0.887594	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0068 71	RIPK3	receptor-interacting serine-threonine kinase 3	-0.461406	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0068 71	RIPK3	receptor-interacting serine-threonine kinase 3	-0.333603	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Value	Category
siRNA Disorazole DMSO Run3	NM_0068 71	RIPK3	receptor-interacting serine-threonine kinase 3	0.333603	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0068 71	RIPK3	receptor-interacting serine-threonine kinase 3	0.351722	Inlier
siRNA Disorazole DMSO Run1	NM_0068 71	RIPK3	receptor-interacting serine-threonine kinase 3	1.599152	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0068 71	RIPK3	receptor-interacting serine-threonine kinase 3	2.881414	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0206 39	RIPK4	receptor-interacting serine-threonine kinase 4	-1.313723	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0206 39	RIPK4	receptor-interacting serine-threonine kinase 4	-0.706352	Inlier
siRNA Disorazole DMSO Run2	NM_0206 39	RIPK4	receptor-interacting serine-threonine kinase 4	-0.642648	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0206 39	RIPK4	receptor-interacting serine-threonine kinase 4	-0.369924	Inlier
siRNA Disorazole DMSO Run3	NM_0206 39	RIPK4	receptor-interacting serine-threonine kinase 4	0.369924	Inlier
siRNA Disorazole DMSO Run1	NM_0206 39	RIPK4	receptor-interacting serine-threonine kinase 4	0.52179	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Score	Category
siRNA-Vinblastine Run1-DMSO	NM_020639	RIPK4	receptor-interacting serine-threonine kinase 4	1.015986	Inlier
siRNA-Vinblastine Run2-DMSO	NM_020639	RIPK4	receptor-interacting serine-threonine kinase 4	1.243089	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006912	RIT1	Ras-like without CAAX 1	-3.083571	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006912	RIT1	Ras-like without CAAX 1	-0.791841	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006912	RIT1	Ras-like without CAAX 1	-0.516944	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006912	RIT1	Ras-like without CAAX 1	-0.021675	Inlier
siRNA Disorazole DMSO Run3	NM_006912	RIT1	Ras-like without CAAX 1	0.021675	Inlier
siRNA Disorazole DMSO Run2	NM_006912	RIT1	Ras-like without CAAX 1	0.557159	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006912	RIT1	Ras-like without CAAX 1	1.364988	Inlier
siRNA Disorazole DMSO Run1	NM_006912	RIT1	Ras-like without CAAX 1	1.374639	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002930	RIT2	Ras-like without CAAX 2	-4.487014	Outlier
siRNA-Vinblastine Run2-DMSO	NM_002930	RIT2	Ras-like without CAAX 2	-2.487731	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002930	RIT2	Ras-like without CAAX 2	-0.494498	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002930	RIT2	Ras-like without CAAX 2	-0.181704	Inlier
siRNA Disorazole DMSO Run3	NM_002930	RIT2	Ras-like without CAAX 2	0.181704	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002930	RIT2	Ras-like without CAAX 2	0.218545	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0029 30	RIT2	Ras-like without CAAX 2	0.854502	Inlier
siRNA Disorazole DMSO Run1	NM_0029 30	RIT2	Ras-like without CAAX 2	1.295524	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0029 33	RNASE1	ribonuclea se, RNase A family, 1 (pancreati c)	-1.776771	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0029 33	RNASE1	ribonuclea se, RNase A family, 1 (pancreati c)	-0.96744	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0029 33	RNASE1	ribonuclea se, RNase A family, 1 (pancreati c)	-0.691709	Inlier
siRNA Disorazole DMSO Run3	NM_0029 33	RNASE1	ribonuclea se, RNase A family, 1 (pancreati c)	-0.033739	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0029 33	RNASE1	ribonuclea se, RNase A family, 1 (pancreati c)	0.033739	Inlier
siRNA Disorazole DMSO Run1	NM_0029 33	RNASE1	ribonuclea se, RNase A family, 1 (pancreati c)	0.501891	Inlier
siRNA Disorazole DMSO Run2	NM_0029 33	RNASE1	ribonuclea se, RNase A family, 1 (pancreati c)	0.657291	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0029 33	RNASE1	ribonuclease, RNase A family, 1 (pancreatic)	0.998475	Inlier
siRNA Disorazole DMSO Run3	NM_0029 34	RNASE2	ribonuclease, RNase A family, 2 (liver, eosinophil-derived neurotoxin)	-1.153358	Inlier
siRNA Disorazole DMSO Run1	NM_0029 34	RNASE2	ribonuclease, RNase A family, 2 (liver, eosinophil-derived neurotoxin)	-0.720393	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0029 34	RNASE2	ribonuclease, RNase A family, 2 (liver, eosinophil-derived neurotoxin)	-0.504724	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0029 34	RNASE2	ribonuclease, RNase A family, 2 (liver, eosinophil-derived neurotoxin)	-0.357768	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0029 34	RNASE2	ribonuclease, RNase A family, 2 (liver, eosinophil-derived neurotoxin)	0.357769	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_002934	RNASE2	ribonuclease, RNase A family, 2 (liver, eosinophil-derived neurotoxin)	0.628607	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002934	RNASE2	ribonuclease, RNase A family, 2 (liver, eosinophil-derived neurotoxin)	0.845299	Inlier
siRNA Disorazole DMSO Run2	NM_002934	RNASE2	ribonuclease, RNase A family, 2 (liver, eosinophil-derived neurotoxin)	1.462479	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002935	RNASE3	ribonuclease, RNase A family, 3 (eosinophil cationic protein)	-1.754081	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002935	RNASE3	ribonuclease, RNase A family, 3 (eosinophil cationic protein)	-0.363696	Inlier
siRNA Disorazole DMSO Run3	NM_002935	RNASE3	ribonuclease, RNase A family, 3 (eosinophil cationic protein)	-0.180859	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_002935	RNASE3	ribonuclease, RNase A family, 3 (eosinophil cationic protein)	-0.058895	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002935	RNASE3	ribonuclease, RNase A family, 3 (eosinophil cationic protein)	0.058895	Inlier
siRNA Disorazole DMSO Run1	NM_002935	RNASE3	ribonuclease, RNase A family, 3 (eosinophil cationic protein)	0.985304	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002935	RNASE3	ribonuclease, RNase A family, 3 (eosinophil cationic protein)	2.396677	Inlier
siRNA Disorazole DMSO Run2	NM_002935	RNASE3	ribonuclease, RNase A family, 3 (eosinophil cationic protein)	2.643677	Inlier
siRNA-Temozolomide Run3-DMSO	NM_194430	RNASE4	ribonuclease, RNase A family, 4	-1.494019	Inlier
siRNA-Temozolomide Run2-DMSO	NM_194430	RNASE4	ribonuclease, RNase A family, 4	-0.648418	Inlier
siRNA Disorazole DMSO Run3	NM_194430	RNASE4	ribonuclease, RNase A family, 4	-0.224474	Inlier
siRNA-Vinblastine Run2-DMSO	NM_194430	RNASE4	ribonuclease, RNase A family, 4	-0.192429	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_1944 30	RNASE4	ribonuclease, RNase A family, 4	0.192429	Inlier
siRNA Disorazole DMSO Run1	NM_1944 30	RNASE4	ribonuclease, RNase A family, 4	0.700582	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1944 30	RNASE4	ribonuclease, RNase A family, 4	1.968628	Inlier
siRNA Disorazole DMSO Run2	NM_1944 30	RNASE4	ribonuclease, RNase A family, 4	2.006376	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0056 15	RNASE6	ribonuclease, RNase A family, k6	-0.99752	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0056 15	RNASE6	ribonuclease, RNase A family, k6	-0.720042	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0056 15	RNASE6	ribonuclease, RNase A family, k6	-0.628958	Inlier
siRNA Disorazole DMSO Run3	NM_0056 15	RNASE6	ribonuclease, RNase A family, k6	-0.010575	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0056 15	RNASE6	ribonuclease, RNase A family, k6	0.010575	Inlier
siRNA Disorazole DMSO Run1	NM_0056 15	RNASE6	ribonuclease, RNase A family, k6	0.257304	Inlier
siRNA Disorazole DMSO Run2	NM_0056 15	RNASE6	ribonuclease, RNase A family, k6	1.261844	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0056 15	RNASE6	ribonuclease, RNase A family, k6	1.858943	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0029 36	RNASEH1	ribonuclease H1	-2.502041	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0029 36	RNASEH1	ribonuclease H1	-0.994835	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_0029		ribonuclea		
siRNA Disorazole DMSO Run1	36	RNASEH1	se H1	-0.522204	Inlier
	NM_0029		ribonuclea		
siRNA Disorazole DMSO Run3	36	RNASEH1	se H1	-0.271443	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0029		ribonuclea		
	36	RNASEH1	se H1	0.271442	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0029		ribonuclea		
	36	RNASEH1	se H1	0.320715	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0029		ribonuclea		
	36	RNASEH1	se H1	0.826796	Inlier
	NM_0029		ribonuclea		
siRNA Disorazole DMSO Run2	36	RNASEH1	se H1	1.508066	Inlier
			ribonuclea		
			se L (2,5-		
			oligoisoad		
			enylate		
			synthetase-		
			dependent		
siRNA-Temozolomide Run2-DMSO	NM_0211		)	-0.731203	Inlier
	33	RNASEL)		
			ribonuclea		
			se L (2,5-		
			oligoisoad		
			enylate		
			synthetase-		
			dependent		
siRNA-Temozolomide Run3-DMSO	NM_0211		)	-0.692898	Inlier
	33	RNASEL)		
			ribonuclea		
			se L (2,5-		
			oligoisoad		
			enylate		
			synthetase-		
			dependent		
siRNA-Temozolomide Run1-DMSO	NM_0211		)	-0.486889	Inlier
	33	RNASEL)		
			ribonuclea		
			se L (2,5-		
			oligoisoad		
			enylate		
			synthetase-		
			dependent		
siRNA Disorazole DMSO Run2	NM_0211		)	-0.306985	Inlier
	33	RNASEL)		
			ribonuclea		
			se L (2,5-		
			oligoisoad		
			enylate		
			synthetase-		
			dependent		
siRNA Disorazole DMSO Run3	NM_0211		)	0.306985	Inlier
	33	RNASEL)		

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0211 33	RNASEL	ribonuclea se L (2,5- oligoisoad enylate synthetase- dependent)	0.656102	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0211 33	RNASEL	ribonuclea se L (2,5- oligoisoad enylate synthetase- dependent)	1.866093	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0211 33	RNASEL	ribonuclea se L (2,5- oligoisoad enylate synthetase- dependent)	1.952145	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0037 30	RNASET2	ribonuclea se T2	-1.177148	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0037 30	RNASET2	ribonuclea se T2	-0.831385	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0037 30	RNASET2	ribonuclea se T2	-0.715135	Inlier
siRNA Disorazole DMSO Run3	NM_0037 30	RNASET2	ribonuclea se T2	-0.138946	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0037 30	RNASET2	ribonuclea se T2	0.138946	Inlier
siRNA Disorazole DMSO Run1	NM_0037 30	RNASET2	ribonuclea se T2	0.292884	Inlier
siRNA Disorazole DMSO Run2	NM_0037 30	RNASET2	ribonuclea se T2	0.633865	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0037 30	RNASET2	ribonuclea se T2	2.03048	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0144 70	RND1	Rho family GTPase 1	-2.982028	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0144 70	RND1	Rho family GTPase 1	-0.346583	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0144 70	RND1	Rho family GTPase 1	-0.175471	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0144 70	RND1	Rho family GTPase 1	-0.069031	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0144 70	RND1	Rho family GTPase 1	0.069031	Inlier
siRNA Disorazole DMSO Run1	NM_0144 70	RND1	Rho family GTPase 1	1.002417	Inlier
siRNA Disorazole DMSO Run2	NM_0144 70	RND1	Rho family GTPase 1	1.614907	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0144 70	RND1	Rho family GTPase 1	1.845338	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0245 39	RNF128	ring finger protein 128	-0.924918	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0245 39	RNF128	ring finger protein 128	-0.625805	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0245 39	RNF128	ring finger protein 128	-0.25923	Inlier
siRNA Disorazole DMSO Run3	NM_0245 39	RNF128	ring finger protein 128	-0.047564	Inlier
siRNA Disorazole DMSO Run1	NM_0245 39	RNF128	ring finger protein 128	0.047564	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0245 39	RNF128	ring finger protein 128	0.723195	Inlier
siRNA Disorazole DMSO Run2	NM_0245 39	RNF128	ring finger protein 128	2.148918	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0245 39	RNF128	ring finger protein 128	2.39978	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1391 75	RNF133	ring finger protein 133	-1.51601	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1391 75	RNF133	ring finger protein 133	-1.319596	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1391 75	RNF133	ring finger protein 133	-1.280849	Inlier
siRNA Disorazole DMSO Run1	NM_1391 75	RNF133	ring finger protein 133	-0.245395	Inlier
siRNA Disorazole DMSO Run3	NM_1391 75	RNF133	ring finger protein 133	0.245394	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology				ring finger protein	
siRNA-Temozolomide Run1-DMSO	NM_1391 75	RNF133	133	0.389823	Inlier
siRNA Disorazole DMSO Run2	NM_1391 75	RNF133	133	0.655095	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1391 75	RNF133	133	0.693905	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1979 39	RNF135	135	-0.995256	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1979 39	RNF135	135	-0.849343	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1979 39	RNF135	135	-0.331243	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1979 39	RNF135	135	-0.059521	Inlier
siRNA Disorazole DMSO Run3	NM_1979 39	RNF135	135	0.059521	Inlier
siRNA Disorazole DMSO Run1	NM_1979 39	RNF135	135	0.499657	Inlier
siRNA Disorazole DMSO Run2	NM_1979 39	RNF135	135	1.364414	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1979 39	RNF135	135	1.631296	Inlier
siRNA-Temozolomide Run3-DMSO	XM_37170 9	RNF150	150	-0.933787	Inlier
siRNA Disorazole DMSO Run3	XM_37170 9	RNF150	150	-0.415213	Inlier
siRNA Disorazole DMSO Run1	XM_37170 9	RNF150	150	-0.393709	Inlier
siRNA-Temozolomide Run1-DMSO	XM_37170 9	RNF150	150	-0.100532	Inlier
siRNA-Temozolomide Run2-DMSO	XM_37170 9	RNF150	150	0.100533	Inlier
siRNA Disorazole DMSO Run2	XM_37170 9	RNF150	150	2.100081	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology			ring finger		
siRNA-Vinblastine Run2-	XM_37170		protein		
DMSO	9	RNF150	150	2.793104	Inlier
			ring finger		
siRNA-Vinblastine Run1-	XM_37170		protein		
DMSO	9	RNF150	150	3.537692	Outlier
siRNA-Temozolomide Run1-	NM_0179		ring finger		
DMSO	99	RNF31	protein 31	-0.694019	Inlier
siRNA-Vinblastine Run2-	NM_0179		ring finger		
DMSO	99	RNF31	protein 31	-0.654981	Inlier
	NM_0179		ring finger		
siRNA Disorazole DMSO Run1	99	RNF31	protein 31	-0.109825	Inlier
siRNA-Temozolomide Run3-	NM_0179		ring finger		
DMSO	99	RNF31	protein 31	-0.099352	Inlier
	NM_0179		ring finger		
siRNA Disorazole DMSO Run3	99	RNF31	protein 31	0.099352	Inlier
siRNA-Temozolomide Run2-	NM_0179		ring finger		
DMSO	99	RNF31	protein 31	0.760739	Inlier
	NM_0179		ring finger		
siRNA Disorazole DMSO Run2	99	RNF31	protein 31	1.311432	Inlier
siRNA-Vinblastine Run1-	NM_0179		ring finger		
DMSO	99	RNF31	protein 31	1.626273	Inlier
siRNA-Temozolomide Run3-	NM_1707		ring finger		
DMSO	69	RNF39	protein 39	-3.035035	Inlier
siRNA-Vinblastine Run2-	NM_1707		ring finger		
DMSO	69	RNF39	protein 39	-0.67658	Inlier
siRNA-Temozolomide Run2-	NM_1707		ring finger		
DMSO	69	RNF39	protein 39	-0.67242	Inlier
	NM_1707		ring finger		
siRNA Disorazole DMSO Run3	69	RNF39	protein 39	-0.405232	Inlier
siRNA-Temozolomide Run1-	NM_1707		ring finger		
DMSO	69	RNF39	protein 39	0.405231	Inlier
	NM_1707		ring finger		
siRNA Disorazole DMSO Run1	69	RNF39	protein 39	0.473517	Inlier
siRNA-Vinblastine Run1-	NM_1707		ring finger		
DMSO	69	RNF39	protein 39	5.639994	Outlier
	NM_1707		ring finger		
siRNA Disorazole DMSO Run2	69	RNF39	protein 39	6.406094	Outlier
			RNA		
			guanylyltra		
			nsferase		
			and 5-		
siRNA-Temozolomide Run2-	NM_0038		phosphata		
DMSO	00	RNGTT	se	-1.125438	Inlier
			RNA		
			guanylyltra		
			nsferase		
			and 5-		
siRNA-Temozolomide Run3-	NM_0038		phosphata		
DMSO	00	RNGTT	se	-1.040392	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Drug	Run	Gene ID	Method	Log2FC	Category	Gene Name
siRNA Disorazole	DMSO	Run3	NM_0038	RNGTT	-0.743901	Inlier	RNA guanylyltransferase and 5-phosphatase
siRNA Disorazole	DMSO	Run2	NM_0038	RNGTT	-0.244754	Inlier	RNA guanylyltransferase and 5-phosphatase
siRNA-Temozolomide	DMSO	Run1	NM_0038	RNGTT	0.244754	Inlier	RNA guanylyltransferase and 5-phosphatase
siRNA Disorazole	DMSO	Run1	NM_0038	RNGTT	0.432899	Inlier	RNA guanylyltransferase and 5-phosphatase
siRNA-Vinblastine	DMSO	Run1	NM_0038	RNGTT	0.605099	Inlier	RNA guanylyltransferase and 5-phosphatase
siRNA-Vinblastine	DMSO	Run2	NM_0038	RNGTT	1.144469	Inlier	RNA guanylyltransferase and 5-phosphatase
siRNA-Vinblastine	DMSO	Run2	NM_0037	RNMT	-1.634823	Inlier	RNA (guanine-7-methyltransferase)
siRNA Disorazole	DMSO	Run3	NM_0037	RNMT	-1.437515	Inlier	RNA (guanine-7-methyltransferase)
siRNA Disorazole	DMSO	Run1	NM_0037	RNMT	-0.862571	Inlier	RNA (guanine-7-methyltransferase)

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	RNA	Value	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003799	RNMT	RNA (guanine-7-) methyltransferase	-0.202419	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003799	RNMT	RNA (guanine-7-) methyltransferase	0.202419	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003799	RNMT	RNA (guanine-7-) methyltransferase	0.436128	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003799	RNMT	RNA (guanine-7-) methyltransferase	0.486429	Inlier
siRNA Disorazole DMSO Run2	NM_003799	RNMT	RNA (guanine-7-) methyltransferase	1.49371	Inlier
siRNA-Temozolomide Run3-DMSO	NM_020216	RNPEP	arginyl aminopeptidase (aminopeptidase B)	-0.8298	Inlier
siRNA-Temozolomide Run2-DMSO	NM_020216	RNPEP	arginyl aminopeptidase (aminopeptidase B)	-0.626063	Inlier
siRNA Disorazole DMSO Run2	NM_020216	RNPEP	arginyl aminopeptidase (aminopeptidase B)	-0.374804	Inlier
siRNA Disorazole DMSO Run3	NM_020216	RNPEP	arginyl aminopeptidase (aminopeptidase B)	-0.143717	Inlier
siRNA-Temozolomide Run1-DMSO	NM_020216	RNPEP	arginyl aminopeptidase (aminopeptidase B)	0.143717	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0202 16	RNPEP	arginyl aminopept idase (aminopep tidase B)	0.722937	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0202 16	RNPEP	arginyl aminopept idase (aminopep tidase B)	2.120175	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0202 16	RNPEP	arginyl aminopept idase (aminopep tidase B)	2.152533	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0182 26	RNPEPL1	arginyl aminopept idase (aminopep tidase B)- like 1	-0.900825	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0182 26	RNPEPL1	arginyl aminopept idase (aminopep tidase B)- like 1	-0.756377	Inlier
siRNA Disorazole DMSO Run3	NM_0182 26	RNPEPL1	arginyl aminopept idase (aminopep tidase B)- like 1	-0.228714	Inlier
siRNA Disorazole DMSO Run2	NM_0182 26	RNPEPL1	arginyl aminopept idase (aminopep tidase B)- like 1	-0.078167	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0182 26	RNPEPL1	arginyl aminopept idase (aminopep tidase B)- like 1	0.078167	Inlier
siRNA Disorazole DMSO Run1	NM_0182 26	RNPEPL1	arginyl aminopept idase (aminopep tidase B)- like 1	0.592623	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_018226	RNPEPL1	arginyl aminopeptidase (aminopeptidase B)-like 1	1.244119	Inlier
siRNA-Vinblastine Run1-DMSO	NM_018226	RNPEPL1	arginyl aminopeptidase (aminopeptidase B)-like 1	1.401991	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005701	RNUT1	RNA, U transporter 1	-0.772982	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005701	RNUT1	RNA, U transporter 1	-0.576018	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005701	RNUT1	RNA, U transporter 1	-0.266693	Inlier
siRNA Disorazole DMSO Run3	NM_005701	RNUT1	RNA, U transporter 1	-0.142214	Inlier
siRNA Disorazole DMSO Run1	NM_005701	RNUT1	RNA, U transporter 1	0.142214	Inlier
siRNA Disorazole DMSO Run2	NM_005701	RNUT1	RNA, U transporter 1	0.92769	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005701	RNUT1	RNA, U transporter 1	0.97842	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005701	RNUT1	RNA, U transporter 1	1.141494	Inlier
siRNA-Vinblastine Run2-DMSO	NM_133631	ROBO1	roundabout, axon guidance receptor, homolog 1 (Drosophila)	-1.113919	Inlier
siRNA-Temozolomide Run2-DMSO	NM_133631	ROBO1	roundabout, axon guidance receptor, homolog 1 (Drosophila)	-0.912258	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_1336 31	ROBO1	roundabout, axon guidance receptor, homolog 1 (Drosophila)	-0.901453	Inlier
siRNA Disorazole DMSO Run3	NM_1336 31	ROBO1	roundabout, axon guidance receptor, homolog 1 (Drosophila)	-0.311338	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1336 31	ROBO1	roundabout, axon guidance receptor, homolog 1 (Drosophila)	0.311337	Inlier
siRNA Disorazole DMSO Run1	NM_1336 31	ROBO1	roundabout, axon guidance receptor, homolog 1 (Drosophila)	0.42128	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1336 31	ROBO1	roundabout, axon guidance receptor, homolog 1 (Drosophila)	0.531336	Inlier
siRNA Disorazole DMSO Run2	NM_1336 31	ROBO1	roundabout, axon guidance receptor, homolog 1 (Drosophila)	0.817664	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_005406	ROCK1	Rho-associated, coiled-coil containing protein kinase 1	-0.831706	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005406	ROCK1	Rho-associated, coiled-coil containing protein kinase 1	-0.526077	Inlier
siRNA Disorazole DMSO Run2	NM_005406	ROCK1	Rho-associated, coiled-coil containing protein kinase 1	-0.492945	Inlier
siRNA Disorazole DMSO Run3	NM_005406	ROCK1	Rho-associated, coiled-coil containing protein kinase 1	-0.363046	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005406	ROCK1	Rho-associated, coiled-coil containing protein kinase 1	0.363046	Inlier
siRNA Disorazole DMSO Run1	NM_005406	ROCK1	Rho-associated, coiled-coil containing protein kinase 1	0.822923	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005406	ROCK1	Rho-associated, coiled-coil containing protein kinase 1	1.021605	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_005406	ROCK1	Rho-associated, coiled-coil containing protein kinase 1	1.370286	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004850	ROCK2	Rho-associated, coiled-coil containing protein kinase 2	-1.421927	Inlier
siRNA Disorazole DMSO Run2	NM_004850	ROCK2	Rho-associated, coiled-coil containing protein kinase 2	-1.382274	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004850	ROCK2	Rho-associated, coiled-coil containing protein kinase 2	-0.343029	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004850	ROCK2	Rho-associated, coiled-coil containing protein kinase 2	-0.200752	Inlier
siRNA Disorazole DMSO Run1	NM_004850	ROCK2	Rho-associated, coiled-coil containing protein kinase 2	0.200752	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004850	ROCK2	Rho-associated, coiled-coil containing protein kinase 2	0.623501	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Drug	Run	Gene	Protein	Value	Outlier
siRNA Disorazole DMSO		Run3	NM_0048 50	ROCK2	0.725499	Inlier
siRNA-Vinblastine DMSO		Run2-	NM_0048 50	ROCK2	0.984766	Inlier
siRNA-Temozolomide DMSO		Run2-	NM_0037 25	RODH	-2.144499	Inlier
siRNA-Temozolomide DMSO		Run3-	NM_0037 25	RODH	-0.686953	Inlier
siRNA-Temozolomide DMSO		Run1-	NM_0037 25	RODH	-0.662047	Inlier
siRNA-Vinblastine DMSO		Run2-	NM_0037 25	RODH	-0.04263	Inlier
siRNA Disorazole DMSO		Run1	NM_0037 25	RODH	0.04263	Inlier
siRNA Disorazole DMSO		Run3	NM_0037 25	RODH	0.460287	Inlier
siRNA Disorazole DMSO		Run2	NM_0037 25	RODH	1.557457	Inlier

Rho-associated
 , coiled-coil
 containing
 protein
 kinase 2

Rho-associated
 , coiled-coil
 containing
 protein
 kinase 2

hydroxysteroid (17-beta)
 dehydrogenase 6

hydroxysteroid (17-beta)
 dehydrogenase 6

hydroxysteroid (17-beta)
 dehydrogenase 6

hydroxysteroid (17-beta)
 dehydrogenase 6

hydroxysteroid (17-beta)
 dehydrogenase 6

hydroxysteroid (17-beta)
 dehydrogenase 6

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Enzyme Name	Value	Outlier Status
siRNA-Vinblastine Run1-DMSO	NM_003725	RODH	hydroxysteroid (17-beta) dehydrogenase 6	2.121582	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003708	RODH-4	retinol dehydrogenase 16 (all-trans and 13-cis)	-0.911604	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003708	RODH-4	retinol dehydrogenase 16 (all-trans and 13-cis)	-0.903078	Inlier
siRNA Disorazole DMSO Run3	NM_003708	RODH-4	retinol dehydrogenase 16 (all-trans and 13-cis)	-0.324343	Inlier
siRNA Disorazole DMSO Run2	NM_003708	RODH-4	retinol dehydrogenase 16 (all-trans and 13-cis)	-0.318673	Inlier
siRNA Disorazole DMSO Run1	NM_003708	RODH-4	retinol dehydrogenase 16 (all-trans and 13-cis)	0.318673	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003708	RODH-4	retinol dehydrogenase 16 (all-trans and 13-cis)	0.445922	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003708	RODH-4	retinol dehydrogenase 16 (all-trans and 13-cis)	1.734045	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_003708	RODH-4	retinol dehydrogenase 16 (all-trans and 13-cis)	1.889776	Inlier
siRNA Disorazole DMSO Run2	NM_000327	ROM1	retinal outer segment membrane protein 1	-1.273419	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000327	ROM1	retinal outer segment membrane protein 1	-1.082496	Inlier
siRNA Disorazole DMSO Run3	NM_000327	ROM1	retinal outer segment membrane protein 1	-0.843478	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000327	ROM1	retinal outer segment membrane protein 1	-0.016021	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000327	ROM1	retinal outer segment membrane protein 1	0.016021	Inlier
siRNA Disorazole DMSO Run1	NM_000327	ROM1	retinal outer segment membrane protein 1	0.061759	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000327	ROM1	retinal outer segment membrane protein 1	0.635052	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_000327	ROM1	retinal outer segment membrane protein 1	0.713948	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005012	ROR1	receptor tyrosine kinase-like orphan receptor 1	-0.958364	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005012	ROR1	receptor tyrosine kinase-like orphan receptor 1	-0.863435	Inlier
siRNA Disorazole DMSO Run2	NM_005012	ROR1	receptor tyrosine kinase-like orphan receptor 1	-0.72359	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005012	ROR1	receptor tyrosine kinase-like orphan receptor 1	-0.234215	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005012	ROR1	receptor tyrosine kinase-like orphan receptor 1	0.234215	Inlier
siRNA Disorazole DMSO Run3	NM_005012	ROR1	receptor tyrosine kinase-like orphan receptor 1	0.555274	Inlier
siRNA Disorazole DMSO Run1	NM_005012	ROR1	receptor tyrosine kinase-like orphan receptor 1	0.62541	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0050 12	ROR1	receptor tyrosine kinase-like orphan receptor 1	1.880522	Inlier
siRNA Disorazole DMSO Run2	NM_0045 60	ROR2	receptor tyrosine kinase-like orphan receptor 2	-2.283054	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0045 60	ROR2	receptor tyrosine kinase-like orphan receptor 2	-1.26803	Inlier
siRNA Disorazole DMSO Run3	NM_0045 60	ROR2	receptor tyrosine kinase-like orphan receptor 2	-0.270592	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0045 60	ROR2	receptor tyrosine kinase-like orphan receptor 2	-0.173448	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0045 60	ROR2	receptor tyrosine kinase-like orphan receptor 2	0.173448	Inlier
siRNA Disorazole DMSO Run1	NM_0045 60	ROR2	receptor tyrosine kinase-like orphan receptor 2	0.619375	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0045 60	ROR2	receptor tyrosine kinase-like orphan receptor 2	0.729625	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_004560	ROR2	receptor tyrosine kinase-like orphan receptor 2	2.787935	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002943	RORA	RAR-related orphan receptor A	-2.066012	Inlier
siRNA Disorazole DMSO Run3	NM_002943	RORA	RAR-related orphan receptor A	-1.116743	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002943	RORA	RAR-related orphan receptor A	-0.374731	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002943	RORA	RAR-related orphan receptor A	-0.053999	Inlier
siRNA Disorazole DMSO Run1	NM_002943	RORA	RAR-related orphan receptor A	0.053999	Inlier
siRNA Disorazole DMSO Run2	NM_002943	RORA	RAR-related orphan receptor A	0.31114	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002943	RORA	RAR-related orphan receptor A	0.974269	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002943	RORA	RAR-related orphan receptor A	2.003803	Inlier
siRNA Disorazole DMSO Run2	NM_006914	RORB	RAR-related orphan receptor B	-1.394342	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0069 14	RORB	RAR-related orphan receptor B	-0.512949	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0069 14	RORB	RAR-related orphan receptor B	-0.395266	Inlier
siRNA Disorazole DMSO Run1	NM_0069 14	RORB	RAR-related orphan receptor B	-0.017243	Inlier
siRNA Disorazole DMSO Run3	NM_0069 14	RORB	RAR-related orphan receptor B	0.017243	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0069 14	RORB	RAR-related orphan receptor B	0.836051	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0069 14	RORB	RAR-related orphan receptor B	1.417484	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0069 14	RORB	RAR-related orphan receptor B	1.605906	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0050 60	RORC	RAR-related orphan receptor C	-2.408868	Inlier
siRNA Disorazole DMSO Run2	NM_0050 60	RORC	RAR-related orphan receptor C	-1.883319	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0050 60	RORC	RAR-related orphan receptor C	-0.423271	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0050 60	RORC	RAR-related orphan receptor C	-0.057231	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0050 60	RORC	RAR-related orphan receptor C	0.057232	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0050 60	RORC	RAR-related orphan receptor C	0.559422	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0050 60	RORC	RAR-related orphan receptor C	0.789578	Inlier
siRNA Disorazole DMSO Run3	NM_0050 60	RORC	RAR-related orphan receptor C v-ros UR2 sarcoma virus oncogene homolog 1	1.226935	Inlier
siRNA Disorazole DMSO Run2	NM_0029 44	ROS1	(avian) v-ros UR2 sarcoma virus oncogene homolog 1	-1.197074	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0029 44	ROS1	(avian) v-ros UR2 sarcoma virus oncogene homolog 1	-1.069826	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0029 44	ROS1	(avian) v-ros UR2 sarcoma virus oncogene homolog 1	-0.895003	Inlier
siRNA Disorazole DMSO Run3	NM_0029 44	ROS1	(avian)	-0.123207	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0029 44	ROS1	v-ros UR2 sarcoma virus oncogene homolog 1 (avian)	0.123207	Inlier
siRNA Disorazole DMSO Run1	NM_0029 44	ROS1	v-ros UR2 sarcoma virus oncogene homolog 1 (avian)	0.378507	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0029 44	ROS1	v-ros UR2 sarcoma virus oncogene homolog 1 (avian)	0.453997	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0029 44	ROS1	v-ros UR2 sarcoma virus oncogene homolog 1 (avian)	1.107462	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0070 55	RPC155	polymerase (RNA) III (DNA directed) polypeptide A, 155kDa	-1.181411	Inlier
siRNA Disorazole DMSO Run3	NM_0070 55	RPC155	polymerase (RNA) III (DNA directed) polypeptide A, 155kDa	-0.992742	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0070 55	RPC155	polymerase (RNA) III (DNA directed) polypeptide A, 155kDa	-0.382538	Inlier
siRNA Disorazole DMSO Run1	NM_0070 55	RPC155	polymerase (RNA) III (DNA directed) polypeptide A, 155kDa	-0.078131	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0070 55	RPC155	polymerase (RNA) III (DNA directed) polypeptide A, 155kDa	0.078132	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0070 55	RPC155	polymerase (RNA) III (DNA directed) polypeptide A, 155kDa	0.114633	Inlier
siRNA Disorazole DMSO Run2	NM_0070 55	RPC155	polymerase (RNA) III (DNA directed) polypeptide A, 155kDa	0.966462	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0070 55	RPC155	polymerase (RNA) III (DNA directed) polypeptide A, 155kDa	2.141153	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1992 29	RPE	ribulose-5-phosphate-3-epimerase	-1.681	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1992 29	RPE	ribulose-5-phosphate-3-epimerase	-1.06798	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1992 29	RPE	ribulose-5-phosphate-3-epimerase	-0.28102	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1992 29	RPE	ribulose-5-phosphate-3-epimerase	-0.180241	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1992 29	RPE	ribulose-5-phosphate-3-epimerase	0.180241	Inlier
siRNA Disorazole DMSO Run3	NM_1992 29	RPE	ribulose-5-phosphate-3-epimerase	0.183059	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1992 29	RPE	ribulose-5-phosphate-3-epimerase	3.641164	Outlier
siRNA Disorazole DMSO Run2	NM_1992 29	RPE	ribulose-5-phosphate-3-epimerase	4.750006	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0003 29	RPE65	retinal pigment epithelium-specific protein 65kDa	-1.061611	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0003 29	RPE65	retinal pigment epithelium-specific protein 65kDa	-0.827139	Inlier
siRNA Disorazole DMSO Run1	NM_0003 29	RPE65	retinal pigment epithelium-specific protein 65kDa	-0.521861	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0003 29	RPE65	retinal pigment epithelium-specific protein 65kDa	-0.086997	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0003 29	RPE65	retinal pigment epithelium-specific protein 65kDa	0.086996	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0003 29	RPE65	retinal pigment epithelium-specific protein 65kDa	0.142154	Inlier
siRNA Disorazole DMSO Run2	NM_0003 29	RPE65	retinal pigment epithelium-specific protein 65kDa	1.693931	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0003 29	RPE65	retinal pigment epithelium-specific protein 65kDa	1.909022	Inlier
siRNA Disorazole DMSO Run3	NM_1445 63	RPIA	ribose 5-phosphate isomerase A (ribose 5-phosphate epimerase)	-1.098073	Inlier
siRNA Disorazole DMSO Run1	NM_1445 63	RPIA	ribose 5-phosphate isomerase A (ribose 5-phosphate epimerase)	-0.856604	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1445 63	RPIA	ribose 5-phosphate isomerase A (ribose 5-phosphate epimerase)	-0.492396	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_144563	RPIA	ribose 5-phosphate isomerase A (ribose 5-phosphate epimerase)	-0.17008 Inlier
siRNA-Temozolomide Run2-DMSO	NM_144563	RPIA	ribose 5-phosphate isomerase A (ribose 5-phosphate epimerase)	0.17008 Inlier
siRNA-Temozolomide Run3-DMSO	NM_144563	RPIA	ribose 5-phosphate isomerase A (ribose 5-phosphate epimerase)	0.430553 Inlier
siRNA Disorazole DMSO Run2	NM_144563	RPIA	ribose 5-phosphate isomerase A (ribose 5-phosphate epimerase)	0.872555 Inlier
siRNA-Vinblastine Run1-DMSO	NM_144563	RPIA	ribose 5-phosphate isomerase A (ribose 5-phosphate epimerase)	1.120246 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology				ribosomal protein	
siRNA-Temozolomide Run3-DMSO	NM_0009 72	RPL7A	L7a	-1.011756	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0009 72	RPL7A	L7a	-0.809392	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0009 72	RPL7A	L7a	-0.539608	Inlier
siRNA Disorazole DMSO Run2	NM_0009 72	RPL7A	L7a	-0.162239	Inlier
siRNA Disorazole DMSO Run3	NM_0009 72	RPL7A	L7a	0.162239	Inlier
siRNA Disorazole DMSO Run1	NM_0009 72	RPL7A	L7a	0.438563	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0009 72	RPL7A	L7a	1.415151	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0009 72	RPL7A	L7a	2.533665	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0029 50	RPN1	I	-0.955341	Inlier
siRNA Disorazole DMSO Run1	NM_0029 50	RPN1	I	-0.701698	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0029 50	RPN1	I	-0.647302	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0029 50	RPN1	I	-0.158645	Inlier
siRNA Disorazole DMSO Run3	NM_0029 50	RPN1	I	0.158645	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0029 50	RPN1	I	0.375792	Inlier
siRNA Disorazole DMSO Run2	NM_0029 50	RPN1	I	1.676353	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0029 50	RPN1	I	2.516875	Inlier
siRNA Disorazole DMSO Run2	NM_0029 51	RPN2	II	-0.752419	Inlier
siRNA Disorazole DMSO Run3	NM_0029 51	RPN2	II	-0.699615	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0029 51	RPN2	II	-0.649384	Inlier
siRNA Disorazole DMSO Run1	NM_0029 51	RPN2	II	-0.12628	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0029 51	RPN2	II	0.126279	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0029 51	RPN2	II	0.146216	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Temozolomide Run1- DMSO	NM_0029 51	RPN2	ribophorin II	1.161994	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0029 51	RPN2	ribophorin II	2.056999	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0029 53	RPS6KA1	ribosomal protein S6 kinase, 90kDa, polypeptid e 1	-1.122417	Inlier
siRNA Disorazole DMSO Run2	NM_0029 53	RPS6KA1	ribosomal protein S6 kinase, 90kDa, polypeptid e 1	-0.765844	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0029 53	RPS6KA1	ribosomal protein S6 kinase, 90kDa, polypeptid e 1	-0.675458	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0029 53	RPS6KA1	ribosomal protein S6 kinase, 90kDa, polypeptid e 1	-0.108131	Inlier
siRNA Disorazole DMSO Run1	NM_0029 53	RPS6KA1	ribosomal protein S6 kinase, 90kDa, polypeptid e 1	0.108131	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0029 53	RPS6KA1	ribosomal protein S6 kinase, 90kDa, polypeptid e 1	0.469905	Inlier
siRNA Disorazole DMSO Run3	NM_0029 53	RPS6KA1	ribosomal protein S6 kinase, 90kDa, polypeptid e 1	0.673542	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0029 53	RPS6KA1	ribosomal protein S6 kinase, 90kDa, polypeptid e 1	0.928092	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0211 35	RPS6KA2	ribosomal protein S6 kinase, 90kDa, polypeptide 2	-0.984965	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0211 35	RPS6KA2	ribosomal protein S6 kinase, 90kDa, polypeptide 2	-0.500673	Inlier
siRNA Disorazole DMSO Run3	NM_0211 35	RPS6KA2	ribosomal protein S6 kinase, 90kDa, polypeptide 2	-0.108296	Inlier
siRNA Disorazole DMSO Run2	NM_0211 35	RPS6KA2	ribosomal protein S6 kinase, 90kDa, polypeptide 2	-0.06752	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0211 35	RPS6KA2	ribosomal protein S6 kinase, 90kDa, polypeptide 2	0.06752	Inlier
siRNA Disorazole DMSO Run1	NM_0211 35	RPS6KA2	ribosomal protein S6 kinase, 90kDa, polypeptide 2	0.848327	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0211 35	RPS6KA2	ribosomal protein S6 kinase, 90kDa, polypeptide 2	1.110987	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0211 35	RPS6KA2	ribosomal protein S6 kinase, 90kDa, polypeptide 2	1.623067	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Description	Log Fold Change	Outlier Status
siRNA Disorazole DMSO Run2	NM_004586	RPS6KA3	ribosomal protein S6 kinase, 90kDa, polypeptide 3	-1.344701	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004586	RPS6KA3	ribosomal protein S6 kinase, 90kDa, polypeptide 3	-0.907708	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004586	RPS6KA3	ribosomal protein S6 kinase, 90kDa, polypeptide 3	-0.644306	Inlier
siRNA Disorazole DMSO Run3	NM_004586	RPS6KA3	ribosomal protein S6 kinase, 90kDa, polypeptide 3	-0.326261	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004586	RPS6KA3	ribosomal protein S6 kinase, 90kDa, polypeptide 3	0.326261	Inlier
siRNA Disorazole DMSO Run1	NM_004586	RPS6KA3	ribosomal protein S6 kinase, 90kDa, polypeptide 3	0.626833	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004586	RPS6KA3	ribosomal protein S6 kinase, 90kDa, polypeptide 3	0.704694	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004586	RPS6KA3	ribosomal protein S6 kinase, 90kDa, polypeptide 3	0.86678	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0039 42	RPS6KA4	ribosomal protein S6 kinase, 90kDa, polypeptid e 4	-1.60689	Inlier
siRNA Disorazole DMSO Run3	NM_0039 42	RPS6KA4	ribosomal protein S6 kinase, 90kDa, polypeptid e 4	-0.815098	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0039 42	RPS6KA4	ribosomal protein S6 kinase, 90kDa, polypeptid e 4	-0.615744	Inlier
siRNA Disorazole DMSO Run1	NM_0039 42	RPS6KA4	ribosomal protein S6 kinase, 90kDa, polypeptid e 4	-0.124516	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0039 42	RPS6KA4	ribosomal protein S6 kinase, 90kDa, polypeptid e 4	0.124515	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0039 42	RPS6KA4	ribosomal protein S6 kinase, 90kDa, polypeptid e 4	0.552326	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0039 42	RPS6KA4	ribosomal protein S6 kinase, 90kDa, polypeptid e 4	0.733256	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0039 42	RPS6KA4	ribosomal protein S6 kinase, 90kDa, polypeptid e 4	1.047017	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_1823 98	RPS6KA5	ribosomal protein S6 kinase, 90kDa, polypeptide 5	-1.252841	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1823 98	RPS6KA5	ribosomal protein S6 kinase, 90kDa, polypeptide 5	-0.415849	Inlier
siRNA Disorazole DMSO Run3	NM_1823 98	RPS6KA5	ribosomal protein S6 kinase, 90kDa, polypeptide 5	-0.347925	Inlier
siRNA Disorazole DMSO Run2	NM_1823 98	RPS6KA5	ribosomal protein S6 kinase, 90kDa, polypeptide 5	-0.133958	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1823 98	RPS6KA5	ribosomal protein S6 kinase, 90kDa, polypeptide 5	0.133957	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1823 98	RPS6KA5	ribosomal protein S6 kinase, 90kDa, polypeptide 5	0.933151	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1823 98	RPS6KA5	ribosomal protein S6 kinase, 90kDa, polypeptide 5	1.06772	Inlier
siRNA Disorazole DMSO Run1	NM_1823 98	RPS6KA5	ribosomal protein S6 kinase, 90kDa, polypeptide 5	1.14398	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Description	Log2 Fold Change	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_014496	RPS6KA6	ribosomal protein S6 kinase, 90kDa, polypeptide 6	-1.137592	Inlier
siRNA Disorazole DMSO Run2	NM_014496	RPS6KA6	ribosomal protein S6 kinase, 90kDa, polypeptide 6	-0.82914	Inlier
siRNA-Temozolomide Run1-DMSO	NM_014496	RPS6KA6	ribosomal protein S6 kinase, 90kDa, polypeptide 6	-0.380877	Inlier
siRNA-Temozolomide Run2-DMSO	NM_014496	RPS6KA6	ribosomal protein S6 kinase, 90kDa, polypeptide 6	-0.018734	Inlier
siRNA Disorazole DMSO Run3	NM_014496	RPS6KA6	ribosomal protein S6 kinase, 90kDa, polypeptide 6	0.018734	Inlier
siRNA Disorazole DMSO Run1	NM_014496	RPS6KA6	ribosomal protein S6 kinase, 90kDa, polypeptide 6	0.51986	Inlier
siRNA-Vinblastine Run1-DMSO	NM_014496	RPS6KA6	ribosomal protein S6 kinase, 90kDa, polypeptide 6	1.077401	Inlier
siRNA-Vinblastine Run2-DMSO	NM_014496	RPS6KA6	ribosomal protein S6 kinase, 90kDa, polypeptide 6	1.279009	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_003161	RPS6KB1	ribosomal protein S6 kinase, 70kDa, polypeptide 1	-1.66915	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003161	RPS6KB1	ribosomal protein S6 kinase, 70kDa, polypeptide 1	-1.242839	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003161	RPS6KB1	ribosomal protein S6 kinase, 70kDa, polypeptide 1	-0.959668	Inlier
siRNA Disorazole DMSO Run1	NM_003161	RPS6KB1	ribosomal protein S6 kinase, 70kDa, polypeptide 1	-0.176761	Inlier
siRNA Disorazole DMSO Run3	NM_003161	RPS6KB1	ribosomal protein S6 kinase, 70kDa, polypeptide 1	0.176761	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003161	RPS6KB1	ribosomal protein S6 kinase, 70kDa, polypeptide 1	0.507745	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003161	RPS6KB1	ribosomal protein S6 kinase, 70kDa, polypeptide 1	0.640177	Inlier
siRNA Disorazole DMSO Run2	NM_003161	RPS6KB1	ribosomal protein S6 kinase, 70kDa, polypeptide 1	0.708823	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Description	Log Fold Change	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_003952	RPS6KB2	ribosomal protein S6 kinase, 70kDa, polypeptide 2	-0.725543	Inlier
siRNA Disorazole DMSO Run2	NM_003952	RPS6KB2	ribosomal protein S6 kinase, 70kDa, polypeptide 2	-0.623457	Inlier
siRNA Disorazole DMSO Run3	NM_003952	RPS6KB2	ribosomal protein S6 kinase, 70kDa, polypeptide 2	-0.567717	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003952	RPS6KB2	ribosomal protein S6 kinase, 70kDa, polypeptide 2	-0.05083	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003952	RPS6KB2	ribosomal protein S6 kinase, 70kDa, polypeptide 2	0.05083	Inlier
siRNA Disorazole DMSO Run1	NM_003952	RPS6KB2	ribosomal protein S6 kinase, 70kDa, polypeptide 2	1.421631	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003952	RPS6KB2	ribosomal protein S6 kinase, 70kDa, polypeptide 2	1.753751	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003952	RPS6KB2	ribosomal protein S6 kinase, 70kDa, polypeptide 2	1.842233	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0124 24	RPS6KC1	ribosomal protein S6 kinase, 52kDa, polypeptide 1	-1.866646	Inlier
siRNA Disorazole DMSO Run2	NM_0124 24	RPS6KC1	ribosomal protein S6 kinase, 52kDa, polypeptide 1	-1.524827	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0124 24	RPS6KC1	ribosomal protein S6 kinase, 52kDa, polypeptide 1	-0.900297	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0124 24	RPS6KC1	ribosomal protein S6 kinase, 52kDa, polypeptide 1	-0.129408	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0124 24	RPS6KC1	ribosomal protein S6 kinase, 52kDa, polypeptide 1	0.129408	Inlier
siRNA Disorazole DMSO Run1	NM_0124 24	RPS6KC1	ribosomal protein S6 kinase, 52kDa, polypeptide 1	0.318361	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0124 24	RPS6KC1	ribosomal protein S6 kinase, 52kDa, polypeptide 1	0.668041	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0124 24	RPS6KC1	ribosomal protein S6 kinase, 52kDa, polypeptide 1	0.680959	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0314 64	RPS6KL1	ribosomal protein S6 kinase-like 1	-0.832776	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0314 64	RPS6KL1	1	ribosomal protein S6 kinase-like	-0.516224	Inlier
siRNA Disorazole DMSO Run3	NM_0314 64	RPS6KL1	1	ribosomal protein S6 kinase-like	-0.325449	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0314 64	RPS6KL1	1	ribosomal protein S6 kinase-like	-0.005975	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0314 64	RPS6KL1	1	ribosomal protein S6 kinase-like	0.005975	Inlier
siRNA Disorazole DMSO Run1	NM_0314 64	RPS6KL1	1	ribosomal protein S6 kinase-like	1.298326	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0314 64	RPS6KL1	1	ribosomal protein S6 kinase-like	1.880566	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0314 64	RPS6KL1	1	ribosomal protein S6 kinase-like	1.919255	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0041 65	RRAD		Ras-related associated with diabetes	-2.294024	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0041 65	RRAD		Ras-related associated with diabetes	-0.607255	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0041 65	RRAD		Ras-related associated with diabetes	-0.413254	Inlier
siRNA Disorazole DMSO Run3	NM_0041 65	RRAD		Ras-related associated with diabetes	-0.095074	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0041 65	RRAD	Ras-related associated with diabetes	0.095074	Inlier
siRNA Disorazole DMSO Run2	NM_0041 65	RRAD	Ras-related associated with diabetes	0.741745	Inlier
siRNA Disorazole DMSO Run1	NM_0041 65	RRAD	Ras-related associated with diabetes	0.997939	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0041 65	RRAD	Ras-related associated with diabetes	1.659824	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0065 70	RRAGA	Ras-related GTP binding A	-1.712132	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0065 70	RRAGA	Ras-related GTP binding A	-1.692671	Inlier
siRNA Disorazole DMSO Run3	NM_0065 70	RRAGA	Ras-related GTP binding A	-0.381037	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0065 70	RRAGA	Ras-related GTP binding A	-0.295638	Inlier
siRNA Disorazole DMSO Run1	NM_0065 70	RRAGA	Ras-related GTP binding A	0.295638	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0065 70	RRAGA	Ras-related GTP binding A	0.372041	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0065 70	RRAGA	Ras-related GTP binding A	0.967963	Inlier
siRNA Disorazole DMSO Run2	NM_0065 70	RRAGA	Ras-related GTP binding A	1.625448	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0166 56	RRAGB	Ras-related GTP binding B	-1.24603	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0166 56	RRAGB	Ras-related GTP binding B	-0.769301	Inlier
siRNA Disorazole DMSO Run3	NM_0166 56	RRAGB	Ras-related GTP binding B	-0.386908	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0166 56	RRAGB	Ras-related GTP binding B	-0.249094	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0166 56	RRAGB	Ras-related GTP binding B	0.249093	Inlier
siRNA Disorazole DMSO Run2	NM_0166 56	RRAGB	Ras-related GTP binding B	0.579699	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0166 56	RRAGB	Ras-related GTP binding B	0.968641	Inlier
siRNA Disorazole DMSO Run1	NM_0166 56	RRAGB	Ras-related GTP binding B	1.026078	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0062 70	RRAS	related RAS viral (r-ras) oncogene homolog	-2.052036	Inlier
siRNA Disorazole DMSO Run3	NM_0062 70	RRAS	related RAS viral (r-ras) oncogene homolog	-1.139481	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0062 70	RRAS	related RAS viral (r-ras) oncogene homolog	-0.851668	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0062 70	RRAS	related RAS viral (r-ras) oncogene homolog	-0.337648	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0062 70	RRAS	related RAS viral (r-ras) oncogene homolog	0.337648	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0062 70	RRAS	related RAS viral (r-ras) oncogene homolog	0.467314	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0062 70	RRAS	related RAS viral (r-ras) oncogene homolog	0.497332	Inlier
siRNA Disorazole DMSO Run2	NM_0062 70	RRAS	related RAS viral (r-ras) oncogene homolog	1.265643	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0122 50	RRAS2	related RAS viral (r-ras) oncogene homolog 2	-1.238133	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0122 50	RRAS2	related RAS viral (r-ras) oncogene homolog 2	-0.926682	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0122 50	RRAS2	related RAS viral (r-ras) oncogene homolog 2	-0.859354	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0122 50	RRAS2	related RAS viral (r-ras) oncogene homolog 2	-0.05111	Inlier
siRNA Disorazole DMSO Run3	NM_0122 50	RRAS2	related RAS viral (r-ras) oncogene homolog 2	0.05111	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0122 50	RRAS2	related RAS viral (r-ras) oncogene homolog 2	0.327502	Inlier
siRNA Disorazole DMSO Run2	NM_0122 50	RRAS2	related RAS viral (r-ras) oncogene homolog 2	0.57187	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0122 50	RRAS2	related RAS viral (r-ras) oncogene homolog 2	0.77713	Inlier
siRNA Disorazole DMSO Run1	NM_0065 83	RRH	retinal pigment epithelium- derived rhodopsin homolog	-1.838073	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0065 83	RRH	retinal pigment epithelium- derived rhodopsin homolog	-0.936145	Inlier
siRNA Disorazole DMSO Run2	NM_0065 83	RRH	retinal pigment epithelium- derived rhodopsin homolog	-0.409427	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0065 83	RRH	retinal pigment epithelium- derived rhodopsin homolog	-0.013963	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0065 83	RRH	retinal pigment epithelium- derived rhodopsin homolog	0.013963	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0065 83	RRH	retinal pigment epithelium-derived rhodopsin homolog	0.508406	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0065 83	RRH	retinal pigment epithelium-derived rhodopsin homolog	0.840594	Inlier
siRNA Disorazole DMSO Run3	NM_0065 83	RRH	retinal pigment epithelium-derived rhodopsin homolog ribonucleotide reductase M1	1.864571	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 33	RRM1	polypeptide ribonucleotide reductase M1	-1.466194	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 33	RRM1	polypeptide ribonucleotide reductase M1	-0.947803	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 33	RRM1	polypeptide ribonucleotide reductase M1	-0.401196	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 33	RRM1	polypeptide ribonucleotide reductase M1	-0.08521	Inlier
siRNA Disorazole DMSO Run3	NM_0010 33	RRM1	polypeptide	0.08521	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0010 33	RRM1	ribonucleo tide reductase M1 polypeptid e	0.297212	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0010 33	RRM1	ribonucleo tide reductase M1 polypeptid e	6.1939	Outlier
siRNA Disorazole DMSO Run2	NM_0010 33	RRM1	ribonucleo tide reductase M1 polypeptid e	6.744544	Outlier
siRNA Disorazole DMSO Run3	NM_0010 34	RRM2	ribonucleo tide reductase M2 polypeptid e	-0.690309	Inlier
siRNA Disorazole DMSO Run1	NM_0010 34	RRM2	ribonucleo tide reductase M2 polypeptid e	-0.658691	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0010 34	RRM2	ribonucleo tide reductase M2 polypeptid e	-0.172187	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0010 34	RRM2	ribonucleo tide reductase M2 polypeptid e	-0.044609	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0010 34	RRM2	ribonucleo tide reductase M2 polypeptid e	0.044609	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_001034	RRM2	ribonucleotide reductase M2 polypeptide	0.848712	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001034	RRM2	ribonucleotide reductase M2 polypeptide	1.669733	Inlier
siRNA Disorazole DMSO Run2	NM_001034	RRM2	ribonucleotide reductase M2 polypeptide	2.13855	Inlier
siRNA-Temozolomide Run3-DMSO	NM_015713	RRM2B	ribonucleotide reductase M2 B (TP53 inducible)	-1.302047	Inlier
siRNA-Temozolomide Run2-DMSO	NM_015713	RRM2B	ribonucleotide reductase M2 B (TP53 inducible)	-0.681275	Inlier
siRNA Disorazole DMSO Run1	NM_015713	RRM2B	ribonucleotide reductase M2 B (TP53 inducible)	-0.667724	Inlier
siRNA Disorazole DMSO Run3	NM_015713	RRM2B	ribonucleotide reductase M2 B (TP53 inducible)	-0.238167	Inlier
siRNA-Vinblastine Run2-DMSO	NM_015713	RRM2B	ribonucleotide reductase M2 B (TP53 inducible)	0.238167	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			ribonucleo tide reductase M2 B	
siRNA-Temozolomide Run1- DMSO	NM_0157 13	RRM2B	(TP53 inducible)	0.65906 Inlier
			ribonucleo tide reductase M2 B	
siRNA-Vinblastine Run1- DMSO	NM_0157 13	RRM2B	(TP53 inducible)	3.265942 Inlier
			ribonucleo tide reductase M2 B	
siRNA Disorazole DMSO Run2	NM_0157 13	RRM2B	(TP53 inducible)	3.68769 Outlier
siRNA-Temozolomide Run3- DMSO	NM_0064 77	RRP22	RRP22	-0.89503 Inlier
	NM_0064			
siRNA Disorazole DMSO Run3	77	RRP22	RRP22	-0.45397 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0064 77	RRP22	RRP22	-0.184757 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0064 77	RRP22	RRP22	-0.09638 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0064 77	RRP22	RRP22	0.09638 Inlier
	NM_0064			
siRNA Disorazole DMSO Run1	77	RRP22	RRP22	1.181951 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0064 77	RRP22	RRP22	1.704896 Inlier
	NM_0064			
siRNA Disorazole DMSO Run2	77	RRP22	RRP22	2.570041 Inlier
			regulatory solute carrier protein, family 1, member 1	
siRNA-Temozolomide Run3- DMSO	NM_0065 11	RSC1A1	member 1	-1.606226 Inlier
			regulatory solute carrier protein, family 1, member 1	
siRNA-Temozolomide Run2- DMSO	NM_0065 11	RSC1A1	member 1	-0.636854 Inlier
			regulatory solute carrier protein, family 1, member 1	
siRNA Disorazole DMSO Run2	NM_0065 11	RSC1A1	member 1	-0.574823 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log2 Fold Change	Outlier Status
siRNA Disorazole DMSO Run1	NM_0065 11	RSC1A1	regulatory solute carrier protein, family 1, member 1	-0.301091	Inlier
siRNA Disorazole DMSO Run3	NM_0065 11	RSC1A1	regulatory solute carrier protein, family 1, member 1	0.301091	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0065 11	RSC1A1	regulatory solute carrier protein, family 1, member 1	0.712146	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0065 11	RSC1A1	regulatory solute carrier protein, family 1, member 1	0.723677	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0065 11	RSC1A1	regulatory solute carrier protein, family 1, member 1	1.002731	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0037 29	RTCD1	RNA terminal phosphate cyclase domain 1	-0.995745	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0037 29	RTCD1	RNA terminal phosphate cyclase domain 1	-0.808689	Inlier
siRNA Disorazole DMSO Run3	NM_0037 29	RTCD1	RNA terminal phosphate cyclase domain 1	-0.42886	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0037 29	RTCD1	RNA terminal phosphate cyclase domain 1	-0.159475	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Value	Outlier Status
siRNA-Temozolomide Run1-DMSO	NM_003729	RTCD1	RNA terminal phosphate cyclase domain 1	0.159475	Inlier
siRNA Disorazole DMSO Run1	NM_003729	RTCD1	RNA terminal phosphate cyclase domain 1	0.540311	Inlier
siRNA Disorazole DMSO Run2	NM_003729	RTCD1	RNA terminal phosphate cyclase domain 1	1.342106	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003729	RTCD1	RNA terminal phosphate cyclase domain 1	1.620661	Inlier
siRNA-Temozolomide Run1-DMSO	NM_032730	RTN4IP1	reticulon 4 interacting protein 1	-0.923372	Inlier
siRNA-Temozolomide Run2-DMSO	NM_032730	RTN4IP1	reticulon 4 interacting protein 1	-0.853422	Inlier
siRNA-Temozolomide Run3-DMSO	NM_032730	RTN4IP1	reticulon 4 interacting protein 1	-0.495578	Inlier
siRNA Disorazole DMSO Run1	NM_032730	RTN4IP1	reticulon 4 interacting protein 1	-0.040991	Inlier
siRNA-Vinblastine Run2-DMSO	NM_032730	RTN4IP1	reticulon 4 interacting protein 1	0.040991	Inlier
siRNA Disorazole DMSO Run3	NM_032730	RTN4IP1	reticulon 4 interacting protein 1	0.309698	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0327 30	RTN4IP1	reticulon 4 interacting protein 1	1.842926	Inlier
siRNA Disorazole DMSO Run2	NM_0327 30	RTN4IP1	reticulon 4 interacting protein 1	2.299274	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0230 04	RTN4R	reticulon 4 receptor	-1.541361	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0230 04	RTN4R	reticulon 4 receptor	-0.534895	Inlier
siRNA Disorazole DMSO Run3	NM_0230 04	RTN4R	reticulon 4 receptor	-0.455533	Inlier
siRNA Disorazole DMSO Run1	NM_0230 04	RTN4R	reticulon 4 receptor	-0.223498	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0230 04	RTN4R	reticulon 4 receptor	0.223498	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0230 04	RTN4R	reticulon 4 receptor	0.814105	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0230 04	RTN4R	reticulon 4 receptor	0.961707	Inlier
siRNA Disorazole DMSO Run2	NM_0230 04	RTN4R	reticulon 4 receptor	0.971763	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1785 68	RTN4RL1	reticulon 4 receptor- like 1	-0.869155	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1785 68	RTN4RL1	reticulon 4 receptor- like 1	-0.714117	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1785 68	RTN4RL1	reticulon 4 receptor- like 1	-0.456186	Inlier
siRNA Disorazole DMSO Run3	NM_1785 68	RTN4RL1	reticulon 4 receptor- like 1	-0.064866	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1785 68	RTN4RL1	reticulon 4 receptor- like 1	0.064866	Inlier
siRNA Disorazole DMSO Run1	NM_1785 68	RTN4RL1	reticulon 4 receptor- like 1	0.634883	Inlier
siRNA Disorazole DMSO Run2	NM_1785 68	RTN4RL1	reticulon 4 receptor- like 1	1.968232	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1785 68	RTN4RL1	reticulon 4 receptor- like 1	2.112536	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology siRNA-Vinblastine Run2- DMSO	NM_1785 70	RTN4RL2	reticulon 4 receptor- like 2	-2.289759	Inlier
siRNA Disorazole DMSO Run3	NM_1785 70	RTN4RL2	reticulon 4 receptor- like 2	-0.635347	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1785 70	RTN4RL2	reticulon 4 receptor- like 2	-0.389293	Inlier
siRNA Disorazole DMSO Run1	NM_1785 70	RTN4RL2	reticulon 4 receptor- like 2	-0.204502	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1785 70	RTN4RL2	reticulon 4 receptor- like 2	0.204502	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1785 70	RTN4RL2	reticulon 4 receptor- like 2	0.713653	Inlier
siRNA Disorazole DMSO Run2	NM_1785 70	RTN4RL2	reticulon 4 receptor- like 2	0.802962	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1785 70	RTN4RL2	reticulon 4 receptor- like 2	0.869416	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0037 07	RUVBL1	RuvB-like 1 (E. coli)	-1.175159	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0037 07	RUVBL1	RuvB-like 1 (E. coli)	-0.708424	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0037 07	RUVBL1	RuvB-like 1 (E. coli)	-0.379166	Inlier
siRNA Disorazole DMSO Run3	NM_0037 07	RUVBL1	RuvB-like 1 (E. coli)	-0.143814	Inlier
siRNA Disorazole DMSO Run1	NM_0037 07	RUVBL1	RuvB-like 1 (E. coli)	0.143814	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0037 07	RUVBL1	RuvB-like 1 (E. coli)	0.640576	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0037 07	RUVBL1	RuvB-like 1 (E. coli)	2.612702	Inlier
siRNA Disorazole DMSO Run2	NM_0037 07	RUVBL1	RuvB-like 1 (E. coli)	3.70381	Outlier
siRNA-Temozolomide Run3- DMSO	NM_0029 57	RXRA	retinoid X receptor, alpha	-1.680881	Inlier
siRNA Disorazole DMSO Run1	NM_0029 57	RXRA	retinoid X receptor, alpha	-0.862727	Inlier
siRNA Disorazole DMSO Run2	NM_0029 57	RXRA	retinoid X receptor, alpha	-0.486273	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0029 57	RXRA	retinoid X receptor, alpha	-0.128218	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology				retinoid X receptor,	
siRNA-Temozolomide Run1-DMSO	NM_0029 57	RXRA	alpha	0.128219	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0029 57	RXRA	alpha	0.204303	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0029 57	RXRA	alpha	1.108501	Inlier
siRNA Disorazole DMSO Run3	NM_0029 57	RXRA	alpha	2.656911	Inlier
siRNA Disorazole DMSO Run2	NM_0219 76	RXRB	beta	-1.045464	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0219 76	RXRB	beta	-0.7018	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0219 76	RXRB	beta	-0.564798	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0219 76	RXRB	beta	-0.066647	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0219 76	RXRB	beta	0.066647	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0219 76	RXRB	beta	0.667542	Inlier
siRNA Disorazole DMSO Run1	NM_0219 76	RXRB	beta	0.681458	Inlier
siRNA Disorazole DMSO Run3	NM_0219 76	RXRB	beta	1.598062	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 09598	RXRG	gamma	-1.343099	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 09598	RXRG	gamma	-1.022999	Inlier
siRNA Disorazole DMSO Run2	NM_0010 09598	RXRG	gamma	-0.705093	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 09598	RXRG	gamma	-0.500493	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 09598	RXRG	gamma	0.500493	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Score	Category
siRNA Disorazole DMSO Run1	NM_001009598	RXRG	retinoid X receptor, gamma	0.516173	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001009598	RXRG	retinoid X receptor, gamma	0.643907	Inlier
siRNA Disorazole DMSO Run3	NM_001009598	RXRG	retinoid X receptor, gamma	0.712077	Inlier
siRNA Disorazole DMSO Run2	NM_002958	RYK	tyrosine kinase RYK receptor-like	-0.714971	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002958	RYK	tyrosine kinase RYK receptor-like	-0.634029	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002958	RYK	tyrosine kinase RYK receptor-like	-0.460221	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002958	RYK	tyrosine kinase RYK receptor-like	-0.410978	Inlier
siRNA Disorazole DMSO Run3	NM_002958	RYK	tyrosine kinase RYK receptor-like	0.410978	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002958	RYK	tyrosine kinase RYK receptor-like	5.475999	Outlier
siRNA-Vinblastine Run2-DMSO	NM_002958	RYK	tyrosine kinase RYK receptor-like	5.647406	Outlier
siRNA Disorazole DMSO Run1	NM_002958	RYK	tyrosine kinase RYK receptor-like	6.123346	Outlier
siRNA Disorazole DMSO Run2	NM_000540	RYR1	ryanodine receptor 1 (skeletal)	-1.496869	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology					
siRNA-Temozolomide Run2-DMSO	NM_0005 40	RYR1	ryanodine receptor 1 (skeletal)	-0.79946	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0005 40	RYR1	ryanodine receptor 1 (skeletal)	-0.667929	Inlier
siRNA Disorazole DMSO Run3	NM_0005 40	RYR1	ryanodine receptor 1 (skeletal)	-0.290968	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0005 40	RYR1	ryanodine receptor 1 (skeletal)	0.290968	Inlier
siRNA Disorazole DMSO Run1	NM_0005 40	RYR1	ryanodine receptor 1 (skeletal)	0.631418	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0005 40	RYR1	ryanodine receptor 1 (skeletal)	0.681071	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0005 40	RYR1	ryanodine receptor 1 (skeletal)	0.890559	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 35	RYR2	ryanodine receptor 2 (cardiac)	-2.584963	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 35	RYR2	ryanodine receptor 2 (cardiac)	-0.912772	Inlier
siRNA Disorazole DMSO Run3	NM_0010 35	RYR2	ryanodine receptor 2 (cardiac)	-0.600296	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 35	RYR2	ryanodine receptor 2 (cardiac)	-0.091144	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 35	RYR2	ryanodine receptor 2 (cardiac)	0.091144	Inlier
siRNA Disorazole DMSO Run2	NM_0010 35	RYR2	ryanodine receptor 2 (cardiac)	0.233745	Inlier
siRNA Disorazole DMSO Run1	NM_0010 35	RYR2	ryanodine receptor 2 (cardiac)	0.748704	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 35	RYR2	ryanodine receptor 2 (cardiac)	1.321888	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 36	RYR3	ryanodine receptor 3	-0.973667	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 36	RYR3	ryanodine receptor 3	-0.400357	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 36	RYR3	ryanodine receptor 3	-0.263362	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Vinblastine Run2- DMSO	NM_0010 36	RYR3	ryanodine receptor 3	-0.033391	Inlier
siRNA Disorazole DMSO Run1	NM_0010 36	RYR3	ryanodine receptor 3	0.033391	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0010 36	RYR3	ryanodine receptor 3	0.948643	Inlier
siRNA Disorazole DMSO Run3	NM_0010 36	RYR3	ryanodine receptor 3	1.068443	Inlier
siRNA Disorazole DMSO Run2	NM_0010 36	RYR3	ryanodine receptor 3	1.948294	Inlier
siRNA Disorazole DMSO Run3	NM_0184 17	SAC	SAC	-0.766404	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0184 17	SAC	SAC	-0.670383	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0184 17	SAC	SAC	-0.296798	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0184 17	SAC	SAC	-0.281374	Inlier
siRNA Disorazole DMSO Run1	NM_0184 17	SAC	SAC	0.281374	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0184 17	SAC	SAC	0.678617	Inlier
siRNA Disorazole DMSO Run2	NM_0184 17	SAC	SAC	1.574396	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0184 17	SAC	SAC	1.761901	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0165 68	SALPR	relaxin 3 receptor 1	-1.306138	Inlier
siRNA Disorazole DMSO Run3	NM_0165 68	SALPR	relaxin 3 receptor 1	-0.971744	Inlier
siRNA Disorazole DMSO Run2	NM_0165 68	SALPR	relaxin 3 receptor 1	-0.841827	Inlier
siRNA Disorazole DMSO Run1	NM_0165 68	SALPR	relaxin 3 receptor 1	-0.00405	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0165 68	SALPR	relaxin 3 receptor 1	0.00405	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0165 68	SALPR	relaxin 3 receptor 1	0.08762	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0165 68	SALPR	relaxin 3 receptor 1	0.643395	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0165 68	SALPR	relaxin 3 receptor 1	0.705605	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0154 74	SAMHD1	SAM domain and HD domain 1	-0.878603	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0154 74	SAMHD1	SAM domain and HD domain 1	-0.699413	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0154 74	SAMHD1	SAM domain and HD domain 1	-0.268478	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0154 74	SAMHD1	SAM domain and HD domain 1	-0.057481	Inlier
siRNA Disorazole DMSO Run3	NM_0154 74	SAMHD1	SAM domain and HD domain 1	0.057481	Inlier
siRNA Disorazole DMSO Run1	NM_0154 74	SAMHD1	SAM domain and HD domain 1	0.649587	Inlier
siRNA Disorazole DMSO Run2	NM_0154 74	SAMHD1	SAM domain and HD domain 1	1.235221	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0154 74	SAMHD1	SAM domain and HD domain 1	1.498822	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0071 01	SARDH	sarcosine dehydrogenase	-1.87554	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0071 01	SARDH	sarcosine dehydrogenase	-1.544084	Inlier
siRNA Disorazole DMSO Run1	NM_0071 01	SARDH	sarcosine dehydrogenase	-0.895196	Inlier
siRNA Disorazole DMSO Run3	NM_0071 01	SARDH	sarcosine dehydrogenase	-0.034883	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0071 01	SARDH	sarcosine dehydrogenase	0.034883	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0071 01	SARDH	sarcosine dehydrogenase	0.293104	Inlier
siRNA Disorazole DMSO Run2	NM_0071 01	SARDH	sarcosine dehydrogenase	0.453804	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0071 01	SARDH	sarcosine dehydrogenase	0.920899	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0065 13	SARS	seryl-tRNA synthetase	-2.169876	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0065 13	SARS	seryl-tRNA synthetase	-0.940856	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0065 13	SARS	seryl-tRNA synthetase	-0.408144	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0065 13	SARS	seryl-tRNA synthetase	-0.097796	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0065 13	SARS	seryl-tRNA synthetase	0.097796	Inlier
siRNA Disorazole DMSO Run3	NM_0065 13	SARS	seryl-tRNA synthetase	0.40801	Inlier
siRNA Disorazole DMSO Run2	NM_0065 13	SARS	seryl-tRNA synthetase	3.564731	Outlier
siRNA-Vinblastine Run1- DMSO	NM_0065 13	SARS	seryl-tRNA synthetase	4.253556	Outlier
siRNA Disorazole DMSO Run1	NM_0178 27	SARS2	seryl-tRNA synthetase 2	-1.932366	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0178 27	SARS2	seryl-tRNA synthetase 2	-1.70902	Inlier
siRNA Disorazole DMSO Run3	NM_0178 27	SARS2	seryl-tRNA synthetase 2	-0.873991	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0178 27	SARS2	seryl-tRNA synthetase 2	-0.113398	Inlier
siRNA Disorazole DMSO Run2	NM_0178 27	SARS2	seryl-tRNA synthetase 2	0.113397	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0178 27	SARS2	seryl-tRNA synthetase 2	0.19741	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0178 27	SARS2	seryl-tRNA synthetase 2	0.475008	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0178 27	SARS2	seryl-tRNA synthetase 2	1.016154	Inlier
siRNA Disorazole DMSO Run3	NM_0029 70	SAT	spermidin e/spermin e N1-acetyltransferase	-0.894625	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0029 70	SAT	spermidin e/spermin e N1-acetyltransferase	-0.584179	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0029 70	SAT	spermidin e/spermin e N1-acetyltransferase	-0.553954	Inlier
siRNA Disorazole DMSO Run1	NM_0029 70	SAT	spermidin e/spermin e N1-acetyltransferase	-0.060361	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0029 70	SAT	spermidin e/spermin e N1-acetyltransferase	0.06036	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0029 70	SAT	spermidin e/spermin e N1-acetyltransferase	0.764821	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0029 70	SAT	spermidin e/spermin e N1-acetyltransferase	2.136807	Inlier
siRNA Disorazole DMSO Run2	NM_0029 70	SAT	spermidin e/spermin e N1-acetyltransferase	2.345229	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_1334 91	SAT2	spermidin e/spermin e N1- acetyltrans ferase 2	-2.615388	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1334 91	SAT2	spermidin e/spermin e N1- acetyltrans ferase 2	-2.25101	Inlier
siRNA Disorazole DMSO Run3	NM_1334 91	SAT2	spermidin e/spermin e N1- acetyltrans ferase 2	-0.395238	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1334 91	SAT2	spermidin e/spermin e N1- acetyltrans ferase 2	-0.020311	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1334 91	SAT2	spermidin e/spermin e N1- acetyltrans ferase 2	0.020312	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1334 91	SAT2	spermidin e/spermin e N1- acetyltrans ferase 2	0.06385	Inlier
siRNA Disorazole DMSO Run1	NM_1334 91	SAT2	spermidin e/spermin e N1- acetyltrans ferase 2	0.953762	Inlier
siRNA Disorazole DMSO Run2	NM_1334 91	SAT2	SET	1.665406	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0029 72	SBF1	binding factor 1	-0.989073	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0029 72	SBF1	SET binding factor 1	-0.927724	Inlier
siRNA Disorazole DMSO Run1	NM_0029 72	SBF1	SET binding factor 1	-0.240577	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0029 72	SBF1	SET binding factor 1	-0.071017	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Value	Outlier Status
siRNA Disorazole DMSO Run2	NM_0029 72	SBF1	SET binding factor 1	0.071018	Inlier
siRNA Disorazole DMSO Run3	NM_0029 72	SBF1	SET binding factor 1	0.421276	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0029 72	SBF1	SET binding factor 1	1.462026	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0029 72	SBF1	SET binding factor 1	1.515992	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0067 45	SC4MOL	sterol-C4-methyl oxidase-like	-0.919596	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0067 45	SC4MOL	sterol-C4-methyl oxidase-like	-0.892722	Inlier
siRNA Disorazole DMSO Run3	NM_0067 45	SC4MOL	sterol-C4-methyl oxidase-like	-0.479619	Inlier
siRNA Disorazole DMSO Run1	NM_0067 45	SC4MOL	sterol-C4-methyl oxidase-like	-0.016106	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0067 45	SC4MOL	sterol-C4-methyl oxidase-like	0.016107	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0067 45	SC4MOL	sterol-C4-methyl oxidase-like	0.244549	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0067 45	SC4MOL	sterol-C4-methyl oxidase-like	0.869381	Inlier
siRNA Disorazole DMSO Run2	NM_0067 45	SC4MOL	sterol-C4-methyl oxidase-like	0.930316	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_006918	SC5DL	sterol-C5-desaturase (ERG3 delta-5-desaturase homolog, fungal)-like	-0.938707	Inlier
siRNA Disorazole DMSO Run3	NM_006918	SC5DL	sterol-C5-desaturase (ERG3 delta-5-desaturase homolog, fungal)-like	-0.718576	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006918	SC5DL	sterol-C5-desaturase (ERG3 delta-5-desaturase homolog, fungal)-like	-0.326505	Inlier
siRNA Disorazole DMSO Run1	NM_006918	SC5DL	sterol-C5-desaturase (ERG3 delta-5-desaturase homolog, fungal)-like	-0.304467	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006918	SC5DL	sterol-C5-desaturase (ERG3 delta-5-desaturase homolog, fungal)-like	0.304467	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_006918	SC5DL	sterol-C5-desaturase (ERG3 delta-5-desaturase homolog, fungal)-like	0.630424	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006918	SC5DL	sterol-C5-desaturase (ERG3 delta-5-desaturase homolog, fungal)-like	1.211551	Inlier
siRNA Disorazole DMSO Run2	NM_006918	SC5DL	sterol-C5-desaturase (ERG3 delta-5-desaturase homolog, fungal)-like	1.824041	Inlier
siRNA-Temozolomide Run1-DMSO	NM_138967	SCAMP5	secretory carrier membrane protein 5	-1.323413	Inlier
siRNA-Temozolomide Run2-DMSO	NM_138967	SCAMP5	secretory carrier membrane protein 5	-0.84487	Inlier
siRNA Disorazole DMSO Run2	NM_138967	SCAMP5	secretory carrier membrane protein 5	-0.225034	Inlier
siRNA-Temozolomide Run3-DMSO	NM_138967	SCAMP5	secretory carrier membrane protein 5	-0.030219	Inlier
siRNA Disorazole DMSO Run1	NM_138967	SCAMP5	secretory carrier membrane protein 5	0.030218	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_1389 67	SCAMP5	secretory carrier membrane protein 5	0.50413	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1389 67	SCAMP5	secretory carrier membrane protein 5	1.226928	Inlier
siRNA Disorazole DMSO Run3	NM_1389 67	SCAMP5	secretory carrier membrane protein 5	1.389128	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0037 26	SCAP1	src family associated phosphoprotein 1	-0.721793	Inlier
siRNA Disorazole DMSO Run2	NM_0037 26	SCAP1	src family associated phosphoprotein 1	-0.627207	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0037 26	SCAP1	src family associated phosphoprotein 1	-0.62493	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0037 26	SCAP1	src family associated phosphoprotein 1	-0.388086	Inlier
siRNA Disorazole DMSO Run3	NM_0037 26	SCAP1	src family associated phosphoprotein 1	0.388086	Inlier
siRNA Disorazole DMSO Run1	NM_0037 26	SCAP1	src family associated phosphoprotein 1	0.871336	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0037 26	SCAP1	src family associated phosphoprotein 1	2.622818	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_003726	SCAP1	src family associated phosphoprotein 1 scavenger receptor	3.015269	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005505	SCARB1	class B, member 1 scavenger receptor	-2.990769	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005505	SCARB1	class B, member 1 scavenger receptor	-1.682365	Inlier
siRNA Disorazole DMSO Run3	NM_005505	SCARB1	class B, member 1 scavenger receptor	-0.813501	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005505	SCARB1	class B, member 1 scavenger receptor	-0.099624	Inlier
siRNA Disorazole DMSO Run1	NM_005505	SCARB1	class B, member 1 scavenger receptor	0.099624	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005505	SCARB1	class B, member 1 scavenger receptor	0.106432	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005505	SCARB1	class B, member 1 scavenger receptor	0.535499	Inlier
siRNA Disorazole DMSO Run2	NM_005505	SCARB1	class B, member 1 scavenger receptor	0.916745	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005506	SCARB2	class B, member 2 scavenger receptor	-1.253623	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005506	SCARB2	class B, member 2 scavenger receptor	-0.991468	Inlier
siRNA Disorazole DMSO Run3	NM_005506	SCARB2	class B, member 2	-0.556035	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Description	Value	Outlier Status
siRNA Disorazole DMSO Run1	SCARB2	NM_005506	scavenger receptor class B, member 2	-0.277847	Inlier
siRNA-Temozolomide Run1-DMSO	SCARB2	NM_005506	scavenger receptor class B, member 2	0.277847	Inlier
siRNA-Temozolomide Run3-DMSO	SCARB2	NM_005506	scavenger receptor class B, member 2	0.414756	Inlier
siRNA Disorazole DMSO Run2	SCARB2	NM_005506	scavenger receptor class B, member 2	0.792965	Inlier
siRNA-Vinblastine Run1-DMSO	SCARB2	NM_005506	scavenger receptor class B, member 2	1.075689	Inlier
siRNA-Vinblastine Run2-DMSO	SCARF1	NM_145349	scavenger receptor class F, member 1	-1.039461	Inlier
siRNA Disorazole DMSO Run3	SCARF1	NM_145349	scavenger receptor class F, member 1	-0.558533	Inlier
siRNA-Temozolomide Run3-DMSO	SCARF1	NM_145349	scavenger receptor class F, member 1	-0.507943	Inlier
siRNA-Temozolomide Run2-DMSO	SCARF1	NM_145349	scavenger receptor class F, member 1	-0.306682	Inlier
siRNA Disorazole DMSO Run1	SCARF1	NM_145349	scavenger receptor class F, member 1	0.306683	Inlier
siRNA-Temozolomide Run1-DMSO	SCARF1	NM_145349	scavenger receptor class F, member 1	0.790467	Inlier
siRNA Disorazole DMSO Run2	SCARF1	NM_145349	scavenger receptor class F, member 1	1.503486	Inlier
siRNA-Vinblastine Run1-DMSO	SCARF1	NM_145349	scavenger receptor class F, member 1	2.266873	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_005063	SCD	stearoyl-CoA desaturase (delta-9-desaturase)	-1.610851	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005063	SCD	stearoyl-CoA desaturase (delta-9-desaturase)	-1.362982	Inlier
siRNA Disorazole DMSO Run3	NM_005063	SCD	stearoyl-CoA desaturase (delta-9-desaturase)	-0.885294	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005063	SCD	stearoyl-CoA desaturase (delta-9-desaturase)	-0.067888	Inlier
siRNA Disorazole DMSO Run1	NM_005063	SCD	stearoyl-CoA desaturase (delta-9-desaturase)	0.067888	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005063	SCD	stearoyl-CoA desaturase (delta-9-desaturase)	0.461137	Inlier
siRNA Disorazole DMSO Run2	NM_005063	SCD	stearoyl-CoA desaturase (delta-9-desaturase)	0.614516	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005063	SCD	stearoyl-CoA desaturase (delta-9-desaturase)	0.734484	Inlier
siRNA-Temozolomide Run3-DMSO	NM_024906	SCD4	stearoyl-CoA desaturase 4	-2.208067	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0249 06	SCD4	stearoyl-CoA desaturase 4	-0.819449	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0249 06	SCD4	stearoyl-CoA desaturase 4	-0.744202	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0249 06	SCD4	stearoyl-CoA desaturase 4	-0.298451	Inlier
siRNA Disorazole DMSO Run1	NM_0249 06	SCD4	stearoyl-CoA desaturase 4	0.298451	Inlier
siRNA Disorazole DMSO Run2	NM_0249 06	SCD4	stearoyl-CoA desaturase 4	0.392637	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0249 06	SCD4	stearoyl-CoA desaturase 4	0.604798	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0249 06	SCD4	stearoyl-CoA desaturase 4	0.883576	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1987 08	SCDR10	SCDR10	-1.067443	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1987 08	SCDR10	SCDR10	-0.904389	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1987 08	SCDR10	SCDR10	-0.612202	Inlier
siRNA Disorazole DMSO Run3	NM_1987 08	SCDR10	SCDR10	-0.277476	Inlier
siRNA Disorazole DMSO Run1	NM_1987 08	SCDR10	SCDR10	0.277476	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1987 08	SCDR10	SCDR10	0.437635	Inlier
siRNA Disorazole DMSO Run2	NM_1987 08	SCDR10	SCDR10	0.736798	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1987 08	SCDR10	SCDR10	1.642977	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1781 35	SCDR9	hydroxysteroid (17-beta) dehydrogenase 13	-1.621834	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_1781 35	SCDR9	hydroxysteroid (17-beta) dehydrogenase 13	-1.459558	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1781 35	SCDR9	hydroxysteroid (17-beta) dehydrogenase 13	-1.083829	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1781 35	SCDR9	hydroxysteroid (17-beta) dehydrogenase 13	-0.033377	Inlier
siRNA Disorazole DMSO Run1	NM_1781 35	SCDR9	hydroxysteroid (17-beta) dehydrogenase 13	0.033377	Inlier
siRNA Disorazole DMSO Run3	NM_1781 35	SCDR9	hydroxysteroid (17-beta) dehydrogenase 13	0.1359	Inlier
siRNA Disorazole DMSO Run2	NM_1781 35	SCDR9	hydroxysteroid (17-beta) dehydrogenase 13	0.265171	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1781 35	SCDR9	secretoglobin, family 2A, member 1	1.332384	Inlier
siRNA Disorazole DMSO Run2	NM_0024 07	SCGB2A1	secretoglobin, family 2A, member 1	-4.547523	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0024 07	SCGB2A1	secretoglobin, family 2A, member 1	-2.893612	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0024 07	SCGB2A1	secretoglobin, family 2A, member 1	-0.691007	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0024 07	SCGB2A1	secretoglobin, family 2A, member 1	-0.060932	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Gene Description	Value	Category
siRNA Disorazole DMSO Run3	SCGB2A1	NM_002407	secretoglobin, family 2A, member 1	0.060931	Inlier
siRNA Disorazole DMSO Run1	SCGB2A1	NM_002407	secretoglobin, family 2A, member 1	0.167829	Inlier
siRNA-Vinblastine Run1-DMSO	SCGB2A1	NM_002407	secretoglobin, family 2A, member 1	0.657993	Inlier
siRNA-Vinblastine Run2-DMSO	SCGB2A1	NM_002407	secretoglobin, family 2A, member 1	3.477616	Inlier
siRNA-Temozolomide Run3-DMSO	SCN10A	NM_006514	sodium channel, voltage-gated, type X, alpha	-1.258925	Inlier
siRNA Disorazole DMSO Run2	SCN10A	NM_006514	sodium channel, voltage-gated, type X, alpha	-0.681587	Inlier
siRNA-Temozolomide Run2-DMSO	SCN10A	NM_006514	sodium channel, voltage-gated, type X, alpha	-0.667413	Inlier
siRNA-Temozolomide Run1-DMSO	SCN10A	NM_006514	sodium channel, voltage-gated, type X, alpha	-0.058614	Inlier
siRNA Disorazole DMSO Run3	SCN10A	NM_006514	sodium channel, voltage-gated, type X, alpha	0.058614	Inlier
siRNA Disorazole DMSO Run1	SCN10A	NM_006514	sodium channel, voltage-gated, type X, alpha	0.394374	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0065 14	SCN10A	sodium channel, voltage-gated, type X, alpha	0.885608 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0065 14	SCN10A	sodium channel, voltage-gated, type X, alpha	1.149501 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0141 39	SCN11A	sodium channel, voltage-gated, type XI, alpha	-2.010082 Inlier
siRNA Disorazole DMSO Run2	NM_0141 39	SCN11A	sodium channel, voltage-gated, type XI, alpha	-0.772198 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0141 39	SCN11A	sodium channel, voltage-gated, type XI, alpha	-0.576802 Inlier
siRNA Disorazole DMSO Run1	NM_0141 39	SCN11A	sodium channel, voltage-gated, type XI, alpha	-0.002835 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0141 39	SCN11A	sodium channel, voltage-gated, type XI, alpha	0.002835 Inlier
siRNA Disorazole DMSO Run3	NM_0141 39	SCN11A	sodium channel, voltage-gated, type XI, alpha	0.216121 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_014139	SCN11A	sodium channel, voltage-gated, type XI, alpha	1.025385 Inlier
siRNA-Vinblastine Run2-DMSO	NM_014139	SCN11A	sodium channel, voltage-gated, type XI, alpha	1.113878 Inlier
siRNA-Temozolomide Run3-DMSO	NM_006920	SCN1A	sodium channel, voltage-gated, type I, alpha	-2.251919 Inlier
siRNA-Temozolomide Run2-DMSO	NM_006920	SCN1A	sodium channel, voltage-gated, type I, alpha	-1.841717 Inlier
siRNA Disorazole DMSO Run1	NM_006920	SCN1A	sodium channel, voltage-gated, type I, alpha	-1.803102 Inlier
siRNA-Temozolomide Run1-DMSO	NM_006920	SCN1A	sodium channel, voltage-gated, type I, alpha	-0.04558 Inlier
siRNA-Vinblastine Run2-DMSO	NM_006920	SCN1A	sodium channel, voltage-gated, type I, alpha	0.04558 Inlier
siRNA Disorazole DMSO Run2	NM_006920	SCN1A	sodium channel, voltage-gated, type I, alpha	0.318135 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0069 20	SCN1A	sodium channel, voltage-gated, type I, alpha	0.342847 Inlier
siRNA Disorazole DMSO Run3	NM_0069 20	SCN1A	sodium channel, voltage-gated, type I, alpha	1.006153 Inlier
siRNA-Temozolomide Run3-DMSO	NM_1990 37	SCN1B	sodium channel, voltage-gated, type I, beta	-3.952842 Outlier
siRNA Disorazole DMSO Run1	NM_1990 37	SCN1B	sodium channel, voltage-gated, type I, beta	-0.525027 Inlier
siRNA-Temozolomide Run2-DMSO	NM_1990 37	SCN1B	sodium channel, voltage-gated, type I, beta	-0.429786 Inlier
siRNA Disorazole DMSO Run2	NM_1990 37	SCN1B	sodium channel, voltage-gated, type I, beta	-0.22226 Inlier
siRNA-Vinblastine Run2-DMSO	NM_1990 37	SCN1B	sodium channel, voltage-gated, type I, beta	0.222259 Inlier
siRNA-Temozolomide Run1-DMSO	NM_1990 37	SCN1B	sodium channel, voltage-gated, type I, beta	0.823973 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Name	Gene Description	Value	Category
siRNA Disorazole DMSO Run3	SCN1B	NM_199037	SCN1B	sodium channel, voltage-gated, type I, beta	1.369036	Inlier
siRNA-Vinblastine Run1-DMSO	SCN1B	NM_199037	SCN1B	sodium channel, voltage-gated, type I, beta	1.606072	Inlier
siRNA-Temozolomide Run3-DMSO	SCN2A2	NM_021007	SCN2A2	sodium channel, voltage-gated, type II, alpha 2	-1.655654	Inlier
siRNA-Temozolomide Run2-DMSO	SCN2A2	NM_021007	SCN2A2	sodium channel, voltage-gated, type II, alpha 2	-0.977127	Inlier
siRNA-Temozolomide Run1-DMSO	SCN2A2	NM_021007	SCN2A2	sodium channel, voltage-gated, type II, alpha 2	-0.264446	Inlier
siRNA Disorazole DMSO Run2	SCN2A2	NM_021007	SCN2A2	sodium channel, voltage-gated, type II, alpha 2	-0.083844	Inlier
siRNA Disorazole DMSO Run3	SCN2A2	NM_021007	SCN2A2	sodium channel, voltage-gated, type II, alpha 2	0.083844	Inlier
siRNA Disorazole DMSO Run1	SCN2A2	NM_021007	SCN2A2	sodium channel, voltage-gated, type II, alpha 2	0.371873	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_021007	SCN2A2	sodium channel, voltage-gated, type II, alpha 2	2.576942 Inlier
siRNA-Vinblastine Run2-DMSO	NM_021007	SCN2A2	sodium channel, voltage-gated, type II, alpha 2	2.787238 Inlier
siRNA-Temozolomide Run3-DMSO	NM_004588	SCN2B	sodium channel, voltage-gated, type II, beta	-1.923315 Inlier
siRNA-Temozolomide Run2-DMSO	NM_004588	SCN2B	sodium channel, voltage-gated, type II, beta	-0.923679 Inlier
siRNA Disorazole DMSO Run2	NM_004588	SCN2B	sodium channel, voltage-gated, type II, beta	-0.749881 Inlier
siRNA Disorazole DMSO Run1	NM_004588	SCN2B	sodium channel, voltage-gated, type II, beta	-0.090275 Inlier
siRNA Disorazole DMSO Run3	NM_004588	SCN2B	sodium channel, voltage-gated, type II, beta	0.090275 Inlier
siRNA-Temozolomide Run1-DMSO	NM_004588	SCN2B	sodium channel, voltage-gated, type II, beta	0.471924 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_004588	SCN2B	sodium channel, voltage-gated, type II, beta	0.599119	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004588	SCN2B	sodium channel, voltage-gated, type II, beta	0.886675	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006922	SCN3A	sodium channel, voltage-gated, type III, alpha	-1.291234	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006922	SCN3A	sodium channel, voltage-gated, type III, alpha	-0.707833	Inlier
siRNA Disorazole DMSO Run3	NM_006922	SCN3A	sodium channel, voltage-gated, type III, alpha	-0.625975	Inlier
siRNA Disorazole DMSO Run2	NM_006922	SCN3A	sodium channel, voltage-gated, type III, alpha	-0.533916	Inlier
siRNA Disorazole DMSO Run1	NM_006922	SCN3A	sodium channel, voltage-gated, type III, alpha	0.533916	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006922	SCN3A	sodium channel, voltage-gated, type III, alpha	0.641167	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_006922	SCN3A	sodium channel, voltage-gated, type III, alpha	1.684261	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006922	SCN3A	sodium channel, voltage-gated, type III, alpha	1.702818	Inlier
siRNA-Temozolomide Run3-DMSO	NM_018400	SCN3B	sodium channel, voltage-gated, type III, beta	-1.237226	Inlier
siRNA Disorazole DMSO Run2	NM_018400	SCN3B	sodium channel, voltage-gated, type III, beta	-1.070091	Inlier
siRNA Disorazole DMSO Run3	NM_018400	SCN3B	sodium channel, voltage-gated, type III, beta	-0.636035	Inlier
siRNA Disorazole DMSO Run1	NM_018400	SCN3B	sodium channel, voltage-gated, type III, beta	-0.097225	Inlier
siRNA-Temozolomide Run2-DMSO	NM_018400	SCN3B	sodium channel, voltage-gated, type III, beta	0.097225	Inlier
siRNA-Vinblastine Run2-DMSO	NM_018400	SCN3B	sodium channel, voltage-gated, type III, beta	0.373251	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_018400	SCN3B	sodium channel, voltage-gated, type III, beta	0.712965	Inlier
siRNA-Vinblastine Run1-DMSO	NM_018400	SCN3B	sodium channel, voltage-gated, type III, beta	0.829889	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000334	SCN4A	sodium channel, voltage-gated, type IV, alpha	-0.757714	Inlier
siRNA Disorazole DMSO Run3	NM_000334	SCN4A	sodium channel, voltage-gated, type IV, alpha	-0.685219	Inlier
siRNA Disorazole DMSO Run2	NM_000334	SCN4A	sodium channel, voltage-gated, type IV, alpha	-0.646232	Inlier
siRNA Disorazole DMSO Run1	NM_000334	SCN4A	sodium channel, voltage-gated, type IV, alpha	-0.032695	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000334	SCN4A	sodium channel, voltage-gated, type IV, alpha	0.032695	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000334	SCN4A	sodium channel, voltage-gated, type IV, alpha	0.663781	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_000334	SCN4A	sodium channel, voltage-gated, type IV, alpha	0.757047	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000334	SCN4A	sodium channel, voltage-gated, type IV, alpha	0.831063	Inlier
siRNA Disorazole DMSO Run1	NM_198056	SCN5A	sodium channel, voltage-gated, type V, alpha (long QT syndrome 3)	-2.027437	Inlier
siRNA-Temozolomide Run3-DMSO	NM_198056	SCN5A	sodium channel, voltage-gated, type V, alpha (long QT syndrome 3)	-1.956001	Inlier
siRNA-Temozolomide Run1-DMSO	NM_198056	SCN5A	sodium channel, voltage-gated, type V, alpha (long QT syndrome 3)	-0.335293	Inlier
siRNA-Temozolomide Run2-DMSO	NM_198056	SCN5A	sodium channel, voltage-gated, type V, alpha (long QT syndrome 3)	-0.043763	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_1980 56	SCN5A	sodium channel, voltage-gated, type V, alpha (long QT syndrome 3)	0.043761	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1980 56	SCN5A	sodium channel, voltage-gated, type V, alpha (long QT syndrome 3)	0.649827	Inlier
siRNA Disorazole DMSO Run3	NM_1980 56	SCN5A	sodium channel, voltage-gated, type V, alpha (long QT syndrome 3)	0.699173	Inlier
siRNA Disorazole DMSO Run2	NM_1980 56	SCN5A	sodium channel, voltage-gated, type V, alpha (long QT syndrome 3)	1.106741	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0029 76	SCN7A	sodium channel, voltage-gated, type VII, alpha	-2.20739	Inlier
siRNA Disorazole DMSO Run3	NM_0029 76	SCN7A	sodium channel, voltage-gated, type VII, alpha	-0.85426	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0029 76	SCN7A	sodium channel, voltage-gated, type VII, alpha	-0.145885	Inlier
siRNA Disorazole DMSO Run1	NM_0029 76	SCN7A	sodium channel, voltage-gated, type VII, alpha	-0.100344	Inlier
siRNA Disorazole DMSO Run2	NM_0029 76	SCN7A	sodium channel, voltage-gated, type VII, alpha	0.100344	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0029 76	SCN7A	sodium channel, voltage-gated, type VII, alpha	0.49474	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0029 76	SCN7A	sodium channel, voltage-gated, type VII, alpha	1.020951	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0029 76	SCN7A	sodium channel, voltage gated, type VII, alpha	1.440387	Inlier
siRNA Disorazole DMSO Run1	NM_0141 91	SCN8A	sodium channel, voltage gated, type VIII, alpha	-1.225307	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0141 91	SCN8A	sodium channel, voltage gated, type VIII, alpha	-0.842745	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0141 91	SCN8A	sodium channel, voltage gated, type VIII, alpha	-0.558318 Inlier
siRNA Disorazole DMSO Run3	NM_0141 91	SCN8A	sodium channel, voltage gated, type VIII, alpha	-0.028783 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0141 91	SCN8A	sodium channel, voltage gated, type VIII, alpha	0.028783 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0141 91	SCN8A	sodium channel, voltage gated, type VIII, alpha	0.479336 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0141 91	SCN8A	sodium channel, voltage gated, type VIII, alpha	0.790682 Inlier
siRNA Disorazole DMSO Run2	NM_0141 91	SCN8A	sodium channel, voltage-gated, type VIII, alpha	2.407218 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0029 77	SCN9A	sodium channel, voltage-gated, type IX, alpha	-1.297498 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0029 77	SCN9A	sodium channel, voltage-gated, type IX, alpha	-0.26968 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0029 77	SCN9A	sodium channel, voltage-gated, type IX, alpha	-0.25657	Inlier
siRNA Disorazole DMSO Run2	NM_0029 77	SCN9A	sodium channel, voltage-gated, type IX, alpha	-0.122315	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0029 77	SCN9A	sodium channel, voltage-gated, type IX, alpha	0.122315	Inlier
siRNA Disorazole DMSO Run1	NM_0029 77	SCN9A	sodium channel, voltage-gated, type IX, alpha	1.07932	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0029 77	SCN9A	sodium channel, voltage-gated, type IX, alpha	2.617711	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0029 77	SCN9A	sodium channel, voltage-gated, type IX, alpha	3.513652	Outlier
siRNA Disorazole DMSO Run1	NM_0010 38	SCNN1A	nonvoltage-gated 1 alpha	-1.55252	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 38	SCNN1A	nonvoltage-gated 1 alpha	-0.70972	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 38	SCNN1A	nonvoltage-gated 1 alpha	-0.639279	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_001038	SCNN1A	sodium channel, nonvoltage-gated 1 alpha	-0.14451	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001038	SCNN1A	sodium channel, nonvoltage-gated 1 alpha	0.14451	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001038	SCNN1A	sodium channel, nonvoltage-gated 1 alpha	0.611791	Inlier
siRNA Disorazole DMSO Run3	NM_001038	SCNN1A	sodium channel, nonvoltage-gated 1 alpha	2.132017	Inlier
siRNA Disorazole DMSO Run2	NM_001038	SCNN1A	sodium channel, nonvoltage-gated 1 alpha	3.868095	Outlier
siRNA-Temozolomide Run3-DMSO	NM_000336	SCNN1B	sodium channel, nonvoltage-gated 1, beta (Liddle syndrome)	-3.678634	Outlier
siRNA Disorazole DMSO Run1	NM_000336	SCNN1B	sodium channel, nonvoltage-gated 1, beta (Liddle syndrome)	-0.88291	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000336	SCNN1B	sodium channel, nonvoltage-gated 1, beta (Liddle syndrome)	-0.284095	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0003 36	SCNN1B	sodium channel, nonvoltage-gated 1, beta (Liddle syndrome)	-0.03498	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0003 36	SCNN1B	sodium channel, nonvoltage-gated 1, beta (Liddle syndrome)	0.03498	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0003 36	SCNN1B	sodium channel, nonvoltage-gated 1, beta (Liddle syndrome)	0.46609	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0003 36	SCNN1B	sodium channel, nonvoltage-gated 1, beta (Liddle syndrome)	0.906927	Inlier
siRNA Disorazole DMSO Run2	NM_0003 36	SCNN1B	sodium channel, nonvoltage-gated 1, beta (Liddle syndrome)	2.347865	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0029 78	SCNN1D	sodium channel, nonvoltage-gated 1, delta	-1.118499	Inlier
siRNA Disorazole DMSO Run1	NM_0029 78	SCNN1D	sodium channel, nonvoltage-gated 1, delta	-0.708948	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0029 78	SCNN1D	sodium channel, nonvoltage-gated 1, delta	-0.361659	Inlier
siRNA Disorazole DMSO Run3	NM_0029 78	SCNN1D	sodium channel, nonvoltage-gated 1, delta	-0.150954	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0029 78	SCNN1D	sodium channel, nonvoltage-gated 1, delta	0.150954	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0029 78	SCNN1D	sodium channel, nonvoltage-gated 1, delta	0.640052	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0029 78	SCNN1D	sodium channel, nonvoltage-gated 1, delta	0.73216	Inlier
siRNA Disorazole DMSO Run2	NM_0029 78	SCNN1D	sodium channel, nonvoltage-gated 1, delta	0.884395	Inlier
siRNA Disorazole DMSO Run1	NM_0010 39	SCNN1G	sodium channel, nonvoltage-gated 1, gamma	-2.31689	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 39	SCNN1G	sodium channel, nonvoltage-gated 1, gamma	-0.912627	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 39	SCNN1G	sodium channel, nonvoltage-gated 1, gamma	-0.832245	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 39	SCNN1G	sodium channel, nonvoltage-gated 1, gamma	-0.200327	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0010 39	SCNN1G	sodium channel, nonvoltage-gated 1, gamma sodium channel, nonvoltage-gated 1, gamma sodium channel, nonvoltage-gated 1, gamma sodium channel, nonvoltage-gated 1, gamma	0.200326	Inlier
siRNA Disorazole DMSO Run3	NM_0010 39	SCNN1G	sodium channel, nonvoltage-gated 1, gamma sodium channel, nonvoltage-gated 1, gamma sodium channel, nonvoltage-gated 1, gamma	0.444008	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 39	SCNN1G	sodium channel, nonvoltage-gated 1, gamma sodium channel, nonvoltage-gated 1, gamma sodium channel, nonvoltage-gated 1, gamma	0.516755	Inlier
siRNA Disorazole DMSO Run2	NM_0010 39	SCNN1G	sodium channel, nonvoltage-gated 1, gamma sterol carrier protein 2	5.972632	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0029 79	SCP2	sterol carrier protein 2	-2.097793	Inlier
siRNA Disorazole DMSO Run1	NM_0029 79	SCP2	sterol carrier protein 2	-0.760287	Inlier
siRNA Disorazole DMSO Run3	NM_0029 79	SCP2	sterol carrier protein 2	-0.493788	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0029 79	SCP2	sterol carrier protein 2	-0.399749	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0029 79	SCP2	sterol carrier protein 2	0.399749	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0029 79	SCP2	sterol carrier protein 2	0.588713	Inlier
siRNA Disorazole DMSO Run2	NM_0029 79	SCP2	sterol carrier protein 2	1.27292	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0029 79	SCP2	sterol carrier protein 2	3.554773	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0216 26	SCPEP1	serine carboxypeptidase 1	-0.98784	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0216 26	SCPEP1	serine carboxypeptidase 1	-0.781315	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0216 26	SCPEP1	serine carboxype ptidase 1	-0.567685	Inlier
siRNA Disorazole DMSO Run3	NM_0216 26	SCPEP1	serine carboxype ptidase 1	-0.326697	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0216 26	SCPEP1	serine carboxype ptidase 1	0.326697	Inlier
siRNA Disorazole DMSO Run1	NM_0216 26	SCPEP1	serine carboxype ptidase 1	0.444104	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0216 26	SCPEP1	serine carboxype ptidase 1	1.242781	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0216 26	SCPEP1	serine carboxype ptidase 1	1.585012	Inlier
siRNA Disorazole DMSO Run2	NM_0029 80	SCTR	secretin receptor	-1.265954	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0029 80	SCTR	secretin receptor	-0.373729	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0029 80	SCTR	secretin receptor	-0.261668	Inlier
siRNA Disorazole DMSO Run3	NM_0029 80	SCTR	secretin receptor	-0.170334	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0029 80	SCTR	secretin receptor	0.170335	Inlier
siRNA Disorazole DMSO Run1	NM_0029 80	SCTR	secretin receptor	0.975271	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0029 80	SCTR	secretin receptor	0.999679	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0029 80	SCTR	secretin receptor	1.437549	Inlier
siRNA Disorazole DMSO Run2	NM_0206 80	SCYL1	SCY1-like 1 (S. cerevisiae)	-0.725771	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0206 80	SCYL1	SCY1-like 1 (S. cerevisiae)	-0.623229	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0206 80	SCYL1	SCY1-like 1 (S. cerevisiae)	-0.2712	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0206 80	SCYL1	SCY1-like 1 (S. cerevisiae)	-0.055464	Inlier
siRNA Disorazole DMSO Run3	NM_0206 80	SCYL1	SCY1-like 1 (S. cerevisiae)	0.055464	Inlier
siRNA Disorazole DMSO Run1	NM_0206 80	SCYL1	SCY1-like 1 (S. cerevisiae)	0.839897	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0206 80	SCYL1	SCY1-like 1 (S. cerevisiae)	1.206012	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0206 80	SCYL1	SCY1-like 1 (S. cerevisiae)	1.4735	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 07070	SDCBP	syndecan binding protein (syntenin)	-1.175118	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 07070	SDCBP	syndecan binding protein (syntenin)	-0.618664	Inlier
siRNA Disorazole DMSO Run2	NM_0010 07070	SDCBP	syndecan binding protein (syntenin)	-0.37222	Inlier
siRNA Disorazole DMSO Run3	NM_0010 07070	SDCBP	syndecan binding protein (syntenin)	-0.274359	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 07070	SDCBP	syndecan binding protein (syntenin)	0.274359	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 07070	SDCBP	syndecan binding protein (syntenin)	0.730335	Inlier
siRNA Disorazole DMSO Run1	NM_0010 07070	SDCBP	syndecan binding protein (syntenin)	2.02358	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 07070	SDCBP	syndecan binding protein (syntenin)	2.069586	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_005869	SDCCAG10	serological ly defined colon cancer antigen 10	-1.298576	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005869	SDCCAG10	serological ly defined colon cancer antigen 10	-1.193025	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005869	SDCCAG10	serological ly defined colon cancer antigen 10	-0.410648	Inlier
siRNA Disorazole DMSO Run1	NM_005869	SDCCAG10	serological ly defined colon cancer antigen 10	-0.017713	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005869	SDCCAG10	serological ly defined colon cancer antigen 10	0.017713	Inlier
siRNA Disorazole DMSO Run3	NM_005869	SDCCAG10	serological ly defined colon cancer antigen 10	0.056506	Inlier
siRNA Disorazole DMSO Run2	NM_005869	SDCCAG10	serological ly defined colon cancer antigen 10	0.938352	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005869	SDCCAG10	serological ly defined colon cancer antigen 10	1.230627	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0124 28	SDFR1	stromal cell derived factor receptor 1	-2.154009	Inlier
siRNA Disorazole DMSO Run3	NM_0124 28	SDFR1	stromal cell derived factor receptor 1	-0.747048	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0124 28	SDFR1	stromal cell derived factor receptor 1	-0.720129	Inlier
siRNA Disorazole DMSO Run1	NM_0124 28	SDFR1	stromal cell derived factor receptor 1	-0.150998	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0124 28	SDFR1	stromal cell derived factor receptor 1	0.150998	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0124 28	SDFR1	stromal cell derived factor receptor 1	0.274163	Inlier
siRNA Disorazole DMSO Run2	NM_0124 28	SDFR1	stromal cell derived factor receptor 1	0.628871	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0124 28	SDFR1	stromal cell derived factor receptor 1	0.839971	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0041 68	SDHA	succinate dehydrogenase complex, subunit A, flavoprotein (Fp)	-2.086895	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_004168	SDHA	succinate dehydrogenase complex, subunit A, flavoprotein (Fp)	-1.365565	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004168	SDHA	succinate dehydrogenase complex, subunit A, flavoprotein (Fp)	-1.141713	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004168	SDHA	succinate dehydrogenase complex, subunit A, flavoprotein (Fp)	-0.0989	Inlier
siRNA Disorazole DMSO Run3	NM_004168	SDHA	succinate dehydrogenase complex, subunit A, flavoprotein (Fp)	0.0989	Inlier
siRNA Disorazole DMSO Run2	NM_004168	SDHA	succinate dehydrogenase complex, subunit A, flavoprotein (Fp)	0.346602	Inlier
siRNA Disorazole DMSO Run1	NM_004168	SDHA	succinate dehydrogenase complex, subunit A, flavoprotein (Fp)	0.427313	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004168	SDHA	succinate dehydrogenase complex, subunit A, flavoprotein (Fp)	0.921687	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_003000	SDHB	succinate dehydrogenase complex, subunit B, iron sulfur (lp)	-1.268425	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003000	SDHB	succinate dehydrogenase complex, subunit B, iron sulfur (lp)	-1.043356	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003000	SDHB	succinate dehydrogenase complex, subunit B, iron sulfur (lp)	-0.786968	Inlier
siRNA Disorazole DMSO Run3	NM_003000	SDHB	succinate dehydrogenase complex, subunit B, iron sulfur (lp)	-0.100909	Inlier
siRNA Disorazole DMSO Run1	NM_003000	SDHB	succinate dehydrogenase complex, subunit B, iron sulfur (lp)	0.100909	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003000	SDHB	succinate dehydrogenase complex, subunit B, iron sulfur (lp)	0.111139	Inlier
siRNA Disorazole DMSO Run2	NM_003000	SDHB	succinate dehydrogenase complex, subunit B, iron sulfur (lp)	0.562032	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_003000	SDHB	succinate dehydrogenase complex, subunit B, iron sulfur (lp)	1.255728	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003001	SDHC	succinate dehydrogenase complex, subunit C, integral membrane protein, 15kDa	-1.975744	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003001	SDHC	succinate dehydrogenase complex, subunit C, integral membrane protein, 15kDa	-1.81607	Inlier
siRNA Disorazole DMSO Run3	NM_003001	SDHC	succinate dehydrogenase complex, subunit C, integral membrane protein, 15kDa	-0.569848	Inlier
siRNA Disorazole DMSO Run1	NM_003001	SDHC	succinate dehydrogenase complex, subunit C, integral membrane protein, 15kDa	-0.052147	Inlier
siRNA Disorazole DMSO Run2	NM_003001	SDHC	succinate dehydrogenase complex, subunit C, integral membrane protein, 15kDa	0.052147	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_003001	SDHC	succinate dehydrogenase complex, subunit C, integral membrane protein, 15kDa	0.076675	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003001	SDHC	succinate dehydrogenase complex, subunit C, integral membrane protein, 15kDa	0.779152	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003001	SDHC	succinate dehydrogenase complex, subunit D, integral membrane protein, 15kDa	1.708734	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003002	SDHD	succinate dehydrogenase complex, subunit D, integral membrane protein	-2.954798	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003002	SDHD	succinate dehydrogenase complex, subunit D, integral membrane protein	-2.760789	Inlier
siRNA Disorazole DMSO Run3	NM_003002	SDHD	succinate dehydrogenase complex, subunit D, integral membrane protein	-0.307578	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_003002	SDHD	succinate dehydrogenase complex, subunit D, integral membrane protein	-0.071003	Inlier
siRNA Disorazole DMSO Run1	NM_003002	SDHD	succinate dehydrogenase complex, subunit D, integral membrane protein	0.071003	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003002	SDHD	succinate dehydrogenase complex, subunit D, integral membrane protein	0.392678	Inlier
siRNA Disorazole DMSO Run2	NM_003002	SDHD	succinate dehydrogenase complex, subunit D, integral membrane protein	0.956322	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003002	SDHD	succinate dehydrogenase complex, subunit D, integral membrane protein	2.911189	Inlier
siRNA-Temozolomide Run2-DMSO	NM_148897	SDR-O	SDR-O	-2.802442	Inlier
siRNA-Vinblastine Run2-DMSO	NM_148897	SDR-O	SDR-O	-2.56651	Inlier
siRNA Disorazole DMSO Run1	NM_148897	SDR-O	SDR-O	-0.655699	Inlier
siRNA-Temozolomide Run3-DMSO	NM_148897	SDR-O	SDR-O	-0.491875	Inlier
siRNA-Vinblastine Run1-DMSO	NM_148897	SDR-O	SDR-O	0.491875	Inlier
siRNA Disorazole DMSO Run3	NM_148897	SDR-O	SDR-O	0.515873	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_1488				
siRNA Disorazole DMSO Run2	97	SDR-O	SDR-O	0.693301	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1488 97	SDR-O	SDR-O	0.773018	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0068 43	SDS	serine dehydrata se	-1.125532	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0068 43	SDS	serine dehydrata se	-0.730802	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0068 43	SDS	serine dehydrata se	-0.618198	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0068 43	SDS	serine dehydrata se	-0.144193	Inlier
siRNA Disorazole DMSO Run1	NM_0068 43	SDS	serine dehydrata se	0.144193	Inlier
siRNA Disorazole DMSO Run3	NM_0068 43	SDS	serine dehydrata se	0.346202	Inlier
siRNA Disorazole DMSO Run2	NM_0068 43	SDS	serine dehydrata se	1.14342	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0068 43	SDS	serine dehydrata se	1.384683	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1384 32	SDSL	serine dehydrata se-like	-1.575058	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1384 32	SDSL	serine dehydrata se-like	-1.080456	Inlier
siRNA Disorazole DMSO Run1	NM_1384 32	SDSL	serine dehydrata se-like	-0.108415	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1384 32	SDSL	serine dehydrata se-like	-0.07831	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1384 32	SDSL	serine dehydrata se-like	0.07831	Inlier
siRNA Disorazole DMSO Run3	NM_1384 32	SDSL	serine dehydrata se-like	0.268544	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1384 32	SDSL	serine dehydrata se-like	1.182014	Inlier
siRNA Disorazole DMSO Run2	NM_1384 32	SDSL	serine dehydrata se-like	1.26561	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0063 64	SEC23A	Sec23 homolog A (S. cerevisiae)	-2.170104	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0063 64	SEC23A	Sec23 homolog A (S. cerevisiae)	-0.577942	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0063 64	SEC23A	Sec23 homolog A (S. cerevisiae)	-0.123198	Inlier
siRNA Disorazole DMSO Run3	NM_0063 64	SEC23A	Sec23 homolog A (S. cerevisiae)	-0.020134	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0063 64	SEC23A	Sec23 homolog A (S. cerevisiae)	0.020134	Inlier
siRNA Disorazole DMSO Run1	NM_0063 64	SEC23A	Sec23 homolog A (S. cerevisiae)	0.771058	Inlier
siRNA Disorazole DMSO Run2	NM_0063 64	SEC23A	Sec23 homolog A (S. cerevisiae)	2.326362	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0063 64	SEC23A	Sec23 homolog A (S. cerevisiae)	2.767837	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0329 85	SEC23B	Sec23 homolog B (S. cerevisiae)	-0.679198	Inlier
siRNA Disorazole DMSO Run3	NM_0329 85	SEC23B	Sec23 homolog B (S. cerevisiae)	-0.669802	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0329 85	SEC23B	Sec23 homolog B (S. cerevisiae)	-0.499432	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0329 85	SEC23B	Sec23 homolog B (S. cerevisiae)	-0.443895	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0329 85	SEC23B	Sec23 homolog B (S. cerevisiae)	0.443895	Inlier
siRNA Disorazole DMSO Run1	NM_0329 85	SEC23B	Sec23 homolog B (S. cerevisiae)	1.095446	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0329 85	SEC23B	Sec23 homolog B (S. cerevisiae)	3.720585	Outlier
siRNA Disorazole DMSO Run2	NM_0329 85	SEC23B	Sec23 homolog B (S. cerevisiae)	4.091234	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0063 23	SEC24B	SEC24 related gene family, member B (S. cerevisiae)	-1.004738	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0063 23	SEC24B	SEC24 related gene family, member B (S. cerevisiae)	-0.857704	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0063 23	SEC24B	SEC24 related gene family, member B (S. cerevisiae)	-0.468635	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0063 23	SEC24B	SEC24 related gene family, member B (S. cerevisiae)	-0.456262	Inlier
siRNA Disorazole DMSO Run3	NM_0063 23	SEC24B	SEC24 related gene family, member B (S. cerevisiae)	0.456262	Inlier
siRNA Disorazole DMSO Run1	NM_0063 23	SEC24B	SEC24 related gene family, member B (S. cerevisiae)	0.491296	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0063 23	SEC24B	SEC24 related gene family, member B (S. cerevisiae)	1.501398	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0063 23	SEC24B	SEC24 related gene family, member B (S. cerevisiae)	1.505627	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_1985 97	SEC24C	SEC24 related gene family, member C (S. cerevisiae)	-1.635773	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1985 97	SEC24C	SEC24 related gene family, member C (S. cerevisiae)	-0.747493	Inlier
siRNA Disorazole DMSO Run3	NM_1985 97	SEC24C	SEC24 related gene family, member C (S. cerevisiae)	-0.601507	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1985 97	SEC24C	SEC24 related gene family, member C (S. cerevisiae)	-0.232738	Inlier
siRNA Disorazole DMSO Run1	NM_1985 97	SEC24C	SEC24 related gene family, member C (S. cerevisiae)	0.232738	Inlier
siRNA Disorazole DMSO Run2	NM_1985 97	SEC24C	SEC24 related gene family, member C (S. cerevisiae)	0.460799	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_1985 97	SEC24C	SEC24 related gene family, member C (S. cerevisiae)	1.019407	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1985 97	SEC24C	SEC24 related gene family, member C (S. cerevisiae)	1.165755	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0148 22	SEC24D	SEC24 related gene family, member D (S. cerevisiae)	-1.514853	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0148 22	SEC24D	SEC24 related gene family, member D (S. cerevisiae)	-0.981075	Inlier
siRNA Disorazole DMSO Run2	NM_0148 22	SEC24D	SEC24 related gene family, member D (S. cerevisiae)	-0.343898	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0148 22	SEC24D	SEC24 related gene family, member D (S. cerevisiae)	-0.151912	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0148 22	SEC24D	SEC24 related gene family, member D (S. cerevisiae)	0.151912	Inlier
siRNA Disorazole DMSO Run3	NM_0148 22	SEC24D	SEC24 related gene family, member D (S. cerevisiae)	0.569224	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0148 22	SEC24D	SEC24 related gene family, member D (S. cerevisiae)	0.779776	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0148 22	SEC24D	SEC24 related gene family, member D (S. cerevisiae)	0.9103	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0314 54	SELO	SELO	-1.117569	Inlier
siRNA Disorazole DMSO Run1	NM_0314 54	SELO	SELO	-0.771678	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0314 54	SELO	SELO	-0.577322	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0314 54	SELO	SELO	-0.023636	Inlier
siRNA Disorazole DMSO Run3	NM_0314 54	SELO	SELO	0.023635	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0314 54	SELO	SELO	0.038182	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0314 54	SELO	SELO	1.120841	Inlier
siRNA Disorazole DMSO Run2	NM_0314 54	SELO	SELO	1.750958	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0145 54	SENP1	SUMO1/s entrin specific protease 1	-1.86995	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0145 54	SENP1	SUMO1/s entrin specific protease 1	-1.779144	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0145 54	SENP1	SUMO1/s entrin specific protease 1	-1.495	Inlier
siRNA Disorazole DMSO Run1	NM_0145 54	SENP1	SUMO1/s entrin specific protease 1	-0.050991	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0145 54	SENP1	SUMO1/s entrin specific protease 1	0.050991	Inlier
siRNA Disorazole DMSO Run3	NM_0145 54	SENP1	SUMO1/s entrin specific protease 1	0.138447	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0145 54	SENP1	SUMO1/s entrin specific protease 1	0.306608	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0145 54	SENP1	SUMO1/s entrin specific protease 1	1.042392	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0216 27	SENP2	SUMO1/s entrin/SM T3 specific protease 2	-2.651279	Inlier
siRNA Disorazole DMSO Run2	NM_0216 27	SENP2	SUMO1/s entrin/SM T3 specific protease 2	-0.832614	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0216 27	SENP2	SUMO1/s entrin/SM T3 specific protease 2	-0.516386	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0216 27	SENP2	SUMO1/s entrin/SM T3 specific protease 2	-0.073757	Inlier
siRNA Disorazole DMSO Run1	NM_0216 27	SENP2	SUMO1/s entrin/SM T3 specific protease 2	0.073757	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0216 27	SENP2	SUMO1/s entrin/SM T3 specific protease 2	0.343896	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0216 27	SENP2	SUMO1/s entrin/SM T3 specific protease 2	5.136608	Outlier
siRNA-Vinblastine Run1- DMSO	NM_0216 27	SENP2	SUMO1/s entrin/SM T3 specific protease 2	5.419233	Outlier
siRNA-Temozolomide Run2- DMSO	NM_0156 70	SENP3	SUMO1/s entrin/SM T3 specific protease 3	-1.8785	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0156 70	SENP3	SUMO1/s entrin/SM T3 specific protease 3	-1.876349	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0156 70	SENP3	SUMO1/s entrin/SM T3 specific protease 3	-0.543231	Inlier
siRNA Disorazole DMSO Run3	NM_0156 70	SENP3	SUMO1/s entrin/SM T3 specific protease 3	-0.3138	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0156 70	SENP3	SUMO1/s entrin/SM T3 specific protease 3	0.3138	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0156 70	SENP3	SUMO1/s entrin/SM T3 specific protease 3	0.642396	Inlier
siRNA Disorazole DMSO Run2	NM_0156 70	SENP3	SUMO1/s entrin/SM T3 specific protease 3	0.706604	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0156 70	SENP3	SUMO1/s entrin/SM T3 specific protease 3	0.731514	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1526 99	SENP5	SUMO1/s entrin specific protease 5	-0.95075	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1526 99	SENP5	SUMO1/s entrin specific protease 5	-0.704128	Inlier
siRNA Disorazole DMSO Run2	NM_1526 99	SENP5	SUMO1/s entrin specific protease 5	-0.659688	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1526 99	SENP5	SUMO1/s entrin specific protease 5	-0.086903	Inlier
siRNA Disorazole DMSO Run3	NM_1526 99	SENP5	SUMO1/s entrin specific protease 5	0.086902	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1526 99	SENP5	SUMO1/s entrin specific protease 5	0.126703	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1526 99	SENP5	SUMO1/s entrin specific protease 5	0.689312	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1526 99	SENP5	SUMO1/s entrin specific protease 5	0.873922	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0155 71	SENP6	SUMO1/s entrin specific protease 6	-2.065602	Inlier
siRNA Disorazole DMSO Run1	NM_0155 71	SENP6	SUMO1/s entrin specific protease 6	-1.24014	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0155 71	SENP6	SUMO1/s entrin specific protease 6	-0.422319	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0155 71	SENP6	SUMO1/s entrin specific protease 6	-0.213078	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0155 71	SENP6	SUMO1/s entrin specific protease 6	0.213078	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0155 71	SENP6	SUMO1/s entrin specific protease 6	0.529722	Inlier
siRNA Disorazole DMSO Run3	NM_0155 71	SENP6	SUMO1/s entrin specific protease 6	0.819278	Inlier
siRNA Disorazole DMSO Run2	NM_0155 71	SENP6	SUMO1/s entrin specific protease 6	0.898212	Inlier
siRNA Disorazole DMSO Run2	NM_0206 54	SENP7	SUMO1/s entrin specific protease 7	-1.985275	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0206 54	SENP7	SUMO1/s entrin specific protease 7	-1.766673	Inlier
siRNA Disorazole DMSO Run1	NM_0206 54	SENP7	SUMO1/s entrin specific protease 7	-0.341636	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0206 54	SENP7	SUMO1/s entrin specific protease 7	-0.201986	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0206 54	SENP7	SUMO1/s entrin specific protease 7	0.201986	Inlier
siRNA Disorazole DMSO Run3	NM_0206 54	SENP7	SUMO1/s entrin specific protease 7	0.507951	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0206 54	SENP7	SUMO1/s entrin specific protease 7	0.841049	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_020654	SENP7	SUMO1/sentrin specific protease 7 SUMO/sentrin specific protease family member 8 SUMO/sentrin specific protease family member 8 SUMO/sentrin specific protease family member 8 SUMO/sentrin specific protease family member 8	1.182883	Inlier
siRNA Disorazole DMSO Run2	NM_145204	SENP8	SUMO/sentrin specific protease family member 8 SUMO/sentrin specific protease family member 8 SUMO/sentrin specific protease family member 8	-3.399492	Inlier
siRNA-Temozolomide Run3-DMSO	NM_145204	SENP8	SUMO/sentrin specific protease family member 8 SUMO/sentrin specific protease family member 8 SUMO/sentrin specific protease family member 8	-1.119003	Inlier
siRNA Disorazole DMSO Run1	NM_145204	SENP8	SUMO/sentrin specific protease family member 8 SUMO/sentrin specific protease family member 8 SUMO/sentrin specific protease family member 8	-0.694706	Inlier
siRNA-Temozolomide Run2-DMSO	NM_145204	SENP8	SUMO/sentrin specific protease family member 8 SUMO/sentrin specific protease family member 8 SUMO/sentrin specific protease family member 8	-0.32985	Inlier
siRNA-Vinblastine Run1-DMSO	NM_145204	SENP8	SUMO/sentrin specific protease family member 8 SUMO/sentrin specific protease family member 8 SUMO/sentrin specific protease family member 8	0.329849	Inlier
siRNA Disorazole DMSO Run3	NM_145204	SENP8	SUMO/sentrin specific protease family member 8 SUMO/sentrin specific protease family member 8 SUMO/sentrin specific protease family member 8	0.59918	Inlier
siRNA-Temozolomide Run1-DMSO	NM_145204	SENP8	SUMO/sentrin specific protease family member 8 SUMO/sentrin specific protease family member 8 SUMO/sentrin specific protease family member 8	0.654294	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Score	Category
siRNA-Vinblastine Run2-DMSO	NM_145204	SENP8	SUMO/sentrin specific protease family member 8	1.859601	Inlier
siRNA Disorazole DMSO Run2	NM_012247	SEPHS1	selenophosphate synthetase 1	-0.801387	Inlier
siRNA-Temozolomide Run3-DMSO	NM_012247	SEPHS1	selenophosphate synthetase 1	-0.765634	Inlier
siRNA-Temozolomide Run2-DMSO	NM_012247	SEPHS1	selenophosphate synthetase 1	-0.703081	Inlier
siRNA-Temozolomide Run1-DMSO	NM_012247	SEPHS1	selenophosphate synthetase 1	-0.175036	Inlier
siRNA Disorazole DMSO Run1	NM_012247	SEPHS1	selenophosphate synthetase 1	0.175036	Inlier
siRNA Disorazole DMSO Run3	NM_012247	SEPHS1	selenophosphate synthetase 1	0.213965	Inlier
siRNA-Vinblastine Run1-DMSO	NM_012247	SEPHS1	selenophosphate synthetase 1	0.645918	Inlier
siRNA-Vinblastine Run2-DMSO	NM_012247	SEPHS1	selenophosphate synthetase 1	0.741611	Inlier
siRNA-Temozolomide Run3-DMSO	NM_012248	SEPHS2	selenophosphate synthetase 2	-1.245002	Inlier
siRNA-Temozolomide Run2-DMSO	NM_012248	SEPHS2	selenophosphate synthetase 2	-1.122604	Inlier
siRNA Disorazole DMSO Run2	NM_012248	SEPHS2	selenophosphate synthetase 2	-0.910598	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0122 48	SEPHS2	selenophosphate synthetase 2	-0.130645	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0122 48	SEPHS2	selenophosphate synthetase 2	0.130645	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0122 48	SEPHS2	selenophosphate synthetase 2	0.478162	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0122 48	SEPHS2	selenophosphate synthetase 2	0.525397	Inlier
siRNA Disorazole DMSO Run3	NM_0122 48	SEPHS2	selenophosphate synthetase 2	0.823603	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0002 95	SERPINA1	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1	-1.133928	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0002 95	SERPINA1	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1	-0.848701	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_000295	SERPINA1	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1	-0.273207	Inlier
siRNA Disorazole DMSO Run3	NM_000295	SERPINA1	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1	-0.216075	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000295	SERPINA1	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1	0.216075	Inlier
siRNA Disorazole DMSO Run1	NM_000295	SERPINA1	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1	0.500299	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_000295	SERPINA1	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1	0.889733	Inlier
siRNA Disorazole DMSO Run2	NM_000295	SERPINA1	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1	0.948237	Inlier
siRNA-Temozolomide Run3-DMSO	NM_016186	SERPINA10	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 10	-2.455756	Inlier
siRNA Disorazole DMSO Run1	NM_016186	SERPINA10	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 10	-0.797259	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_016186	SERPINA10	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 10	-0.276639	Inlier
siRNA-Vinblastine Run2-DMSO	NM_016186	SERPINA10	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 10	-0.041734	Inlier
siRNA-Temozolomide Run1-DMSO	NM_016186	SERPINA10	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 10	0.041734	Inlier
siRNA Disorazole DMSO Run3	NM_016186	SERPINA10	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 10	0.551741	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0161 86	SERPINA 10	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiprotein ase, antitrypsin) , member 10	1.24802	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0161 86	SERPINA 10	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiprotein ase, antitrypsin) , member 10	1.578832	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1738 50	SERPINA 12	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiprotein ase, antitrypsin) , member 12	-0.94811	Inlier
siRNA Disorazole DMSO Run3	NM_1738 50	SERPINA 12	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiprotein ase, antitrypsin) , member 12	-0.469899	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_1738 50	SERPINA 12	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiprotein ase, antitrypsin) , member 12	-0.414645 Inlier
siRNA-Vinblastine Run2-DMSO	NM_1738 50	SERPINA 12	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiprotein ase, antitrypsin) , member 12	-0.001056 Inlier
siRNA-Temozolomide Run1-DMSO	NM_1738 50	SERPINA 12	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiprotein ase, antitrypsin) , member 12	0.001056 Inlier
siRNA Disorazole DMSO Run1	NM_1738 50	SERPINA 12	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiprotein ase, antitrypsin) , member 12	0.879101 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_1738 50	SERPINA 12	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiprotein ase, antitrypsin) , member 12	1.707245 Inlier
siRNA Disorazole DMSO Run2	NM_1738 50	SERPINA 12	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiprotein ase, antitrypsin) , member 12	1.781889 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 85	SERPINA 3	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiprotein ase, antitrypsin) , member 3	-1.146993 Inlier
siRNA Disorazole DMSO Run3	NM_0010 85	SERPINA 3	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiprotein ase, antitrypsin) , member 3	-0.708272 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_001085	SERPINA3	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 3	-0.706755	Inlier
siRNA Disorazole DMSO Run1	NM_001085	SERPINA3	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 3	-0.152098	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001085	SERPINA3	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 3	0.152098	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001085	SERPINA3	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 3	0.530423	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0010 85	SERPINA 3	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiprotein ase, antitrypsin) , member 3	0.642245	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0010 85	SERPINA 3	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiprotein ase, antitrypsin) , member 3	0.783939	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0062 15	SERPINA 4	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiprotein ase, antitrypsin) , member 4	-1.023489	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0062 15	SERPINA 4	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiprotein ase, antitrypsin) , member 4	-0.687903	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	15	NM_0062	SERPINA	4	4	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 4	-0.661097	Inlier
siRNA-Temozolomide Run3-DMSO	15	NM_0062	SERPINA	4	4	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 4	-0.472177	Inlier
siRNA-Vinblastine Run2-DMSO	15	NM_0062	SERPINA	4	4	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 4	0.472176	Inlier
siRNA Disorazole DMSO Run3	15	NM_0062	SERPINA	4	4	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 4	0.558571	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0062 15	SERPINA 4	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiprotein ase, antitrypsin) , member 4	0.8536 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0062 15	SERPINA 4	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiprotein ase, antitrypsin) , member 4	1.499406 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0006 24	SERPINA 5	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiprotein ase, antitrypsin) , member 5	-2.691953 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0006 24	SERPINA 5	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiprotein ase, antitrypsin) , member 5	-0.826448 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_000624	SERPINA5	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 5	-0.150102	Inlier
siRNA Disorazole DMSO Run3	NM_000624	SERPINA5	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 5	-0.036173	Inlier
siRNA Disorazole DMSO Run1	NM_000624	SERPINA5	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 5	0.036173	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000624	SERPINA5	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 5	0.522552	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0006 24	SERPINA 5	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiprotein ase, antitrypsin) , member 5	0.835858 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0006 24	SERPINA 5	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiprotein ase, antitrypsin) , member 5	3.44164 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0017 56	SERPINA 6	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiprotein ase, antitrypsin) , member 6	-1.762175 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0017 56	SERPINA 6	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiprotein ase, antitrypsin) , member 6	-0.998106 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_001756	SERPINA6	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 6	-0.350894	Inlier
siRNA Disorazole DMSO Run3	NM_001756	SERPINA6	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 6	-0.268963	Inlier
siRNA Disorazole DMSO Run2	NM_001756	SERPINA6	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 6	0.268962	Inlier
siRNA Disorazole DMSO Run1	NM_001756	SERPINA6	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 6	0.323189	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_001756	SERPINA6	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 6	1.245773	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001756	SERPINA6	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 6	1.791817	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000354	SERPINA7	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 7	-1.875797	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000354	SERPINA7	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 7	-0.919142	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_000354	SERPINA7	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 7	-0.494668	Inlier
siRNA Disorazole DMSO Run1	NM_000354	SERPINA7	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 7	-0.13672	Inlier
siRNA Disorazole DMSO Run3	NM_000354	SERPINA7	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 7	0.13672	Inlier
siRNA Disorazole DMSO Run2	NM_000354	SERPINA7	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 7	0.294296	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_000354	SERPINA7	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 7	0.854332	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000354	SERPINA7	serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 7	0.868663	Inlier
siRNA-Temozolomide Run3-DMSO	NM_030666	SERPINB1	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 1	-2.594847	Inlier
siRNA-Temozolomide Run2-DMSO	NM_030666	SERPINB1	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 1	-0.894268	Inlier
siRNA-Temozolomide Run1-DMSO	NM_030666	SERPINB1	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 1	-0.140404	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0306 66	SERPINB 1	serine (or cysteine) proteinase inhibitor, clade B (ovalbumi n), member 1	-0.051359	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0306 66	SERPINB 1	serine (or cysteine) proteinase inhibitor, clade B (ovalbumi n), member 1	0.051359	Inlier
siRNA Disorazole DMSO Run1	NM_0306 66	SERPINB 1	serine (or cysteine) proteinase inhibitor, clade B (ovalbumi n), member 1	0.454732	Inlier
siRNA Disorazole DMSO Run2	NM_0306 66	SERPINB 1	serine (or cysteine) proteinase inhibitor, clade B (ovalbumi n), member 1	1.849141	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0306 66	SERPINB 1	serine (or cysteine) proteinase inhibitor, clade B (ovalbumi n), member 1	2.747675	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_005024	SERPINB10	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 10	-1.998661	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005024	SERPINB10	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 10	-1.482327	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005024	SERPINB10	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 10	-0.835804	Inlier
siRNA Disorazole DMSO Run3	NM_005024	SERPINB10	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 10	-0.151613	Inlier
siRNA Disorazole DMSO Run1	NM_005024	SERPINB10	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 10	0.151613	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0050 24	SERPINB 10	serine (or cysteine) proteinase inhibitor, clade B (ovalbumi n), member 10	0.33686	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0050 24	SERPINB 10	serine (or cysteine) proteinase inhibitor, clade B (ovalbumi n), member 10	0.513196	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0050 24	SERPINB 10	serine (or cysteine) proteinase inhibitor, clade B (ovalbumi n), member 10	1.642975	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0804 75	SERPINB 11	serine (or cysteine) proteinase inhibitor, clade B (ovalbumi n), member 11	-0.755693	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0804 75	SERPINB 11	serine (or cysteine) proteinase inhibitor, clade B (ovalbumi n), member 11	-0.593307	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_080475	SERPINB11	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 11	-0.534569	Inlier
siRNA Disorazole DMSO Run3	NM_080475	SERPINB11	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 11	-0.412863	Inlier
siRNA Disorazole DMSO Run1	NM_080475	SERPINB11	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 11	0.412862	Inlier
siRNA Disorazole DMSO Run2	NM_080475	SERPINB11	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 11	2.875349	Inlier
siRNA-Vinblastine Run2-DMSO	NM_080475	SERPINB11	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 11	3.173256	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_080475	SERPINB11	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 11	4.251783	Outlier
siRNA-Temozolomide Run3-DMSO	NM_080474	SERPINB12	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 12	-1.368111	Inlier
siRNA-Temozolomide Run2-DMSO	NM_080474	SERPINB12	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 12	-0.795463	Inlier
siRNA-Temozolomide Run1-DMSO	NM_080474	SERPINB12	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 12	-0.553537	Inlier
siRNA Disorazole DMSO Run3	NM_080474	SERPINB12	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 12	-0.235831	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0804 74	SERPINB 12	serine (or cysteine) proteinase inhibitor, clade B (ovalbumi n), member 12	0.235831	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0804 74	SERPINB 12	serine (or cysteine) proteinase inhibitor, clade B (ovalbumi n), member 12	0.37935	Inlier
siRNA Disorazole DMSO Run2	NM_0804 74	SERPINB 12	serine (or cysteine) proteinase inhibitor, clade B (ovalbumi n), member 12	0.894516	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0804 74	SERPINB 12	serine (or cysteine) proteinase inhibitor, clade B (ovalbumi n), member 12	1.622814	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0123 97	SERPINB 13	serine (or cysteine) proteinase inhibitor, clade B (ovalbumi n), member 13	-2.843129	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0123 97	SERPINB 13	serine (or cysteine) proteinase inhibitor, clade B (ovalbumi n), member 13	-1.003463	Inlier
siRNA Disorazole DMSO Run1	NM_0123 97	SERPINB 13	serine (or cysteine) proteinase inhibitor, clade B (ovalbumi n), member 13	-0.742434	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0123 97	SERPINB 13	serine (or cysteine) proteinase inhibitor, clade B (ovalbumi n), member 13	-0.214011	Inlier
siRNA Disorazole DMSO Run2	NM_0123 97	SERPINB 13	serine (or cysteine) proteinase inhibitor, clade B (ovalbumi n), member 13	0.214011	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0123 97	SERPINB 13	serine (or cysteine) proteinase inhibitor, clade B (ovalbumi n), member 13	0.356874	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_012397	SERPINB13	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 13	0.606566	Inlier
siRNA-Vinblastine Run1-DMSO	NM_012397	SERPINB13	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 13	1.775215	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002575	SERPINB2	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 2	-1.294713	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002575	SERPINB2	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 2	-0.934547	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002575	SERPINB2	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 2	-0.564057	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0025 75	SERPINB 2	serine (or cysteine) proteinase inhibitor, clade B (ovalbumi n), member 2	-0.290176	Inlier
siRNA Disorazole DMSO Run1	NM_0025 75	SERPINB 2	serine (or cysteine) proteinase inhibitor, clade B (ovalbumi n), member 2	0.290176	Inlier
siRNA Disorazole DMSO Run2	NM_0025 75	SERPINB 2	serine (or cysteine) proteinase inhibitor, clade B (ovalbumi n), member 2	0.661908	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0025 75	SERPINB 2	serine (or cysteine) proteinase inhibitor, clade B (ovalbumi n), member 2	0.687092	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0025 75	SERPINB 2	serine (or cysteine) proteinase inhibitor, clade B (ovalbumi n), member 2	0.838305	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_006919	SERPINB3	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 3	-2.514228	Inlier
siRNA Disorazole DMSO Run3	NM_006919	SERPINB3	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 3	-1.00339	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006919	SERPINB3	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 3	-0.588154	Inlier
siRNA Disorazole DMSO Run1	NM_006919	SERPINB3	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 3	-0.016546	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006919	SERPINB3	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 3	0.016546	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_006919	SERPINB3	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 3	0.190609	Inlier
siRNA Disorazole DMSO Run2	NM_006919	SERPINB3	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 3	0.760846	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006919	SERPINB3	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 3	1.048027	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002974	SERPINB4	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 4	-1.009227	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002974	SERPINB4	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 4	-0.568881	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_002974	SERPINB4	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 4	-0.408069	Inlier
siRNA Disorazole DMSO Run1	NM_002974	SERPINB4	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 4	-0.181534	Inlier
siRNA Disorazole DMSO Run3	NM_002974	SERPINB4	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 4	0.181534	Inlier
siRNA Disorazole DMSO Run2	NM_002974	SERPINB4	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 4	0.780119	Inlier
siRNA-Vinblastine Run2-DMSO	NM_002974	SERPINB4	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 4	1.133875	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_002974	SERPINB4	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 4	1.26106	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002639	SERPINB5	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 5	-1.387658	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002639	SERPINB5	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 5	-1.052608	Inlier
siRNA Disorazole DMSO Run3	NM_002639	SERPINB5	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 5	-0.433893	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002639	SERPINB5	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 5	-0.216921	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0026 39	SERPINB 5	serine (or cysteine) proteinase inhibitor, clade B (ovalbumi n), member 5	0.216921	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0026 39	SERPINB 5	serine (or cysteine) proteinase inhibitor, clade B (ovalbumi n), member 5	0.344679	Inlier
siRNA Disorazole DMSO Run2	NM_0026 39	SERPINB 5	serine (or cysteine) proteinase inhibitor, clade B (ovalbumi n), member 5	0.915107	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0026 39	SERPINB 5	serine (or cysteine) proteinase inhibitor, clade B (ovalbumi n), member 5	1.038323	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0045 68	SERPINB 6	serine (or cysteine) proteinase inhibitor, clade B (ovalbumi n), member 6	-1.065274	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_004568	SERPINB6	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 6	-0.754362	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004568	SERPINB6	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 6	-0.594638	Inlier
siRNA Disorazole DMSO Run3	NM_004568	SERPINB6	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 6	-0.02629	Inlier
siRNA Disorazole DMSO Run1	NM_004568	SERPINB6	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 6	0.02629	Inlier
siRNA Disorazole DMSO Run2	NM_004568	SERPINB6	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 6	0.594573	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_004568	SERPINB6	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 6	0.837061	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004568	SERPINB6	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 6	1.896235	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003784	SERPINB7	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 7	-1.315456	Inlier
siRNA Disorazole DMSO Run2	NM_003784	SERPINB7	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 7	-0.777522	Inlier
siRNA Disorazole DMSO Run3	NM_003784	SERPINB7	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 7	-0.138146	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_003784	SERPINB7	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 7	-0.013758	Inlier
siRNA Disorazole DMSO Run1	NM_003784	SERPINB7	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 7	0.013758	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003784	SERPINB7	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 7	0.571478	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003784	SERPINB7	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 7	2.031415	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003784	SERPINB7	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 7	2.755555	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_198833	SERPINB8	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 8	-1.879993	Inlier
siRNA-Temozolomide Run2-DMSO	NM_198833	SERPINB8	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 8	-1.325125	Inlier
siRNA-Temozolomide Run1-DMSO	NM_198833	SERPINB8	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 8	-0.369362	Inlier
siRNA Disorazole DMSO Run3	NM_198833	SERPINB8	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 8	-0.20907	Inlier
siRNA Disorazole DMSO Run1	NM_198833	SERPINB8	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 8	0.20907	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_198833	SERPINB8	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 8	0.424775	Inlier
siRNA Disorazole DMSO Run2	NM_198833	SERPINB8	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 8	0.924225	Inlier
siRNA-Vinblastine Run1-DMSO	NM_198833	SERPINB8	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 8	1.419347	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004155	SERPINB9	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 9	-2.552157	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004155	SERPINB9	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 9	-1.227867	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0041 55	SERPINB 9	serine (or cysteine) proteinase inhibitor, clade B (ovalbumi n), member 9	-0.621789	Inlier
siRNA Disorazole DMSO Run2	NM_0041 55	SERPINB 9	serine (or cysteine) proteinase inhibitor, clade B (ovalbumi n), member 9	-0.056292	Inlier
siRNA Disorazole DMSO Run1	NM_0041 55	SERPINB 9	serine (or cysteine) proteinase inhibitor, clade B (ovalbumi n), member 9	0.056292	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0041 55	SERPINB 9	serine (or cysteine) proteinase inhibitor, clade B (ovalbumi n), member 9	0.527482	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0041 55	SERPINB 9	serine (or cysteine) proteinase inhibitor, clade B (ovalbumi n), member 9	0.727211	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_004155	SERPINB9	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 9	1.335917	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000488	SERPINC1	serine (or cysteine) proteinase inhibitor, clade C (antithrombin), member 1	-1.082634	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000488	SERPINC1	serine (or cysteine) proteinase inhibitor, clade C (antithrombin), member 1	-0.751656	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000488	SERPINC1	serine (or cysteine) proteinase inhibitor, clade C (antithrombin), member 1	-0.660348	Inlier
siRNA Disorazole DMSO Run3	NM_000488	SERPINC1	serine (or cysteine) proteinase inhibitor, clade C (antithrombin), member 1	-0.071232	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0004 88	SERPINC 1	serine (or cysteine) proteinase inhibitor, clade C (antithrom bin), member 1	0.071232	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0004 88	SERPINC 1	serine (or cysteine) proteinase inhibitor, clade C (antithrom bin), member 1	0.261352	Inlier
siRNA Disorazole DMSO Run2	NM_0004 88	SERPINC 1	serine (or cysteine) proteinase inhibitor, clade C (antithrom bin), member 1	0.688653	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0004 88	SERPINC 1	serine (or cysteine) proteinase inhibitor, clade C (antithrom bin), member 1	1.129919	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0001 85	SERPIND 1	serine (or cysteine) proteinase inhibitor, clade D (heparin cofactor), member 1	-2.523871	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_000185	SERPIND1	serine (or cysteine) proteinase inhibitor, clade D (heparin cofactor), member 1	-0.992931	Inlier
siRNA Disorazole DMSO Run3	NM_000185	SERPIND1	serine (or cysteine) proteinase inhibitor, clade D (heparin cofactor), member 1	-0.620789	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000185	SERPIND1	serine (or cysteine) proteinase inhibitor, clade D (heparin cofactor), member 1	-0.302996	Inlier
siRNA Disorazole DMSO Run1	NM_000185	SERPIND1	serine (or cysteine) proteinase inhibitor, clade D (heparin cofactor), member 1	0.302995	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000185	SERPIND1	serine (or cysteine) proteinase inhibitor, clade D (heparin cofactor), member 1	0.594748	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0001 85	SERPIND 1	serine (or cysteine) proteinase inhibitor, clade D (heparin cofactor), member 1	0.728211	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0001 85	SERPIND 1	serine (or cysteine) proteinase inhibitor, clade D (heparin cofactor), member 1	1.825844	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0006 02	SERPINE 1	serine (or cysteine) proteinase inhibitor, clade E (nexin, plasminog en activator inhibitor type 1), member 1	-1.77996	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0006 02	SERPINE 1	serine (or cysteine) proteinase inhibitor, clade E (nexin, plasminog en activator inhibitor type 1), member 1	-1.098986	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

			serine (or cysteine) proteinase inhibitor, clade E (nexin, plasminog en activator inhibitor type 1), member 1	
siRNA-Temozolomide Run2- DMSO	NM_0006 02	SERPINE 1		-0.371313 Inlier

			serine (or cysteine) proteinase inhibitor, clade E (nexin, plasminog en activator inhibitor type 1), member 1	
siRNA Disorazole DMSO Run3	NM_0006 02	SERPINE 1		-0.358317 Inlier

			serine (or cysteine) proteinase inhibitor, clade E (nexin, plasminog en activator inhibitor type 1), member 1	
siRNA Disorazole DMSO Run2	NM_0006 02	SERPINE 1		0.358318 Inlier

			serine (or cysteine) proteinase inhibitor, clade E (nexin, plasminog en activator inhibitor type 1), member 1	
siRNA Disorazole DMSO Run1	NM_0006 02	SERPINE 1		0.561838 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_000602	SERPINE1	serine (or cysteine) proteinase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1	0.787162	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000602	SERPINE1	serine (or cysteine) proteinase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1	1.216571	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006216	SERPINE2	serine (or cysteine) proteinase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 2	-3.94363	Outlier
siRNA-Vinblastine Run2-DMSO	NM_006216	SERPINE2	serine (or cysteine) proteinase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 2	-1.551338	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_006216	SERPINE2	serine (or cysteine) proteinase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 2	-1.241287	Inlier
siRNA Disorazole DMSO Run3	NM_006216	SERPINE2	serine (or cysteine) proteinase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 2	-0.371869	Inlier
siRNA Disorazole DMSO Run2	NM_006216	SERPINE2	serine (or cysteine) proteinase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 2	0.371869	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006216	SERPINE2	serine (or cysteine) proteinase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 2	0.477358	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0062 16	SERPINE 2	serine (or cysteine) proteinase inhibitor, clade E (nexin, plasminog en activator inhibitor type 1), member 2	0.491697	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0062 16	SERPINE 2	serine (or cysteine) proteinase inhibitor, clade E (nexin, plasminog en activator inhibitor type 1), member 2	0.857303	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0026 15	SERPINF 1	serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antiplasmi n, pigment epithelium derived factor), member 1	-1.20776	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_002615	SERPINF1	serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 1	-0.8354	Inlier
siRNA-Temozolomide Run1-DMSO	NM_002615	SERPINF1	serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 1	-0.581475	Inlier
siRNA Disorazole DMSO Run3	NM_002615	SERPINF1	serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 1	-0.150376	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0026 15	SERPINF 1	serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antiplasmi n, pigment epithelium derived factor), member 1	0.150376	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0026 15	SERPINF 1	serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antiplasmi n, pigment epithelium derived factor), member 1	0.535428	Inlier
siRNA Disorazole DMSO Run2	NM_0026 15	SERPINF 1	serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antiplasmi n, pigment epithelium derived factor), member 1	0.767525	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_002615	SERPINF1	serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 1	1.095301	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000934	SERPINF2	serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 2	-2.07808	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000934	SERPINF2	serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 2	-1.622312	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antiplasmi n, pigment epithelium derived factor), member 2	
siRNA-Temozolomide Run1- DMSO	NM_0009 34	SERPINF 2		-0.30382 Inlier

			serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antiplasmi n, pigment epithelium derived factor), member 2	
siRNA-Vinblastine Run2- DMSO	NM_0009 34	SERPINF 2		-0.035548 Inlier

			serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antiplasmi n, pigment epithelium derived factor), member 2	
siRNA Disorazole DMSO Run1	NM_0009 34	SERPINF 2		0.035548 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0009 34	SERPINF 2	serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antiplasmi n, pigment epithelium derived factor), member 2	0.270458	Inlier
siRNA Disorazole DMSO Run2	NM_0009 34	SERPINF 2	serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antiplasmi n, pigment epithelium derived factor), member 2	1.04518	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0009 34	SERPINF 2	serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antiplasmi n, pigment epithelium derived factor), member 2	1.252882	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_000062	SERPING1	serine (or cysteine) proteinase inhibitor, clade G (C1 inhibitor), member 1, (angioedema, hereditary)	-1.230512	Inlier
------------------------------	-----------	----------	---	-----------	--------

siRNA-Temozolomide Run2-DMSO	NM_000062	SERPING1	serine (or cysteine) proteinase inhibitor, clade G (C1 inhibitor), member 1, (angioedema, hereditary)	-0.859339	Inlier
------------------------------	-----------	----------	---	-----------	--------

siRNA-Temozolomide Run1-DMSO	NM_000062	SERPING1	serine (or cysteine) proteinase inhibitor, clade G (C1 inhibitor), member 1, (angioedema, hereditary)	-0.466408	Inlier
------------------------------	-----------	----------	---	-----------	--------

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

				serine (or cysteine) proteinase inhibitor, clade G (C1 inhibitor), member 1, (angioede ma, hereditary)	
siRNA Disorazole DMSO Run1	NM_0000 62	SERPING 1			-0.043175 Inlier

				serine (or cysteine) proteinase inhibitor, clade G (C1 inhibitor), member 1, (angioede ma, hereditary)	
siRNA Disorazole DMSO Run3	NM_0000 62	SERPING 1			0.043175 Inlier

				serine (or cysteine) proteinase inhibitor, clade G (C1 inhibitor), member 1, (angioede ma, hereditary)	
siRNA-Vinblastine Run2- DMSO	NM_0000 62	SERPING 1			0.537339 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_000062	SERPING1	serine (or cysteine) proteinase inhibitor, clade G (C1 inhibitor), member 1, (angioedema, hereditary)	0.811661	Inlier
-----------------------------	-----------	----------	---	----------	--------

siRNA Disorazole DMSO Run2	NM_000062	SERPING1	serine (or cysteine) proteinase inhibitor, clade G (C1 inhibitor), member 1, (angioedema, hereditary)	0.816504	Inlier
----------------------------	-----------	----------	---	----------	--------

siRNA-Temozolomide Run3-DMSO	NM_001235	SERPINH1	serine (or cysteine) proteinase inhibitor, clade H (heat shock protein 47), member 1, (collagen binding protein 1)	-2.200273	Inlier
------------------------------	-----------	----------	--	-----------	--------

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

				serine (or cysteine) proteinase inhibitor, clade H (heat shock protein 47), member 1, (collagen binding protein 1)	
siRNA-Temozolomide Run2- DMSO	NM_0012 35	SERPINH 1			-1.249368 Inlier

				serine (or cysteine) proteinase inhibitor, clade H (heat shock protein 47), member 1, (collagen binding protein 1)	
siRNA-Temozolomide Run1- DMSO	NM_0012 35	SERPINH 1			-0.545828 Inlier

				serine (or cysteine) proteinase inhibitor, clade H (heat shock protein 47), member 1, (collagen binding protein 1)	
siRNA-Vinblastine Run2- DMSO	NM_0012 35	SERPINH 1			-0.365981 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

				serine (or cysteine) proteinase inhibitor, clade H (heat shock protein 47), member 1, (collagen binding protein 1)	
siRNA-Vinblastine Run1- DMSO	NM_0012 35	SERPINH 1			0.365982 Inlier

				serine (or cysteine) proteinase inhibitor, clade H (heat shock protein 47), member 1, (collagen binding protein 1)	
siRNA Disorazole DMSO Run3	NM_0012 35	SERPINH 1			0.557792 Inlier

				serine (or cysteine) proteinase inhibitor, clade H (heat shock protein 47), member 1, (collagen binding protein 1)	
siRNA Disorazole DMSO Run2	NM_0012 35	SERPINH 1			0.791208 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0012 35	SERPINH 1	serine (or cysteine) proteinase inhibitor, clade H (heat shock protein 47), member 1, (collagen binding protein 1)	0.835877	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0050 25	SERPINI1	serine (or cysteine) proteinase inhibitor, clade I (neuroserp in), member 1	-1.475714	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0050 25	SERPINI1	serine (or cysteine) proteinase inhibitor, clade I (neuroserp in), member 1	-0.898028	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0050 25	SERPINI1	serine (or cysteine) proteinase inhibitor, clade I (neuroserp in), member 1	-0.646528	Inlier
siRNA Disorazole DMSO Run3	NM_0050 25	SERPINI1	serine (or cysteine) proteinase inhibitor, clade I (neuroserp in), member 1	-0.249843	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0050 25	SERPINI1	serine (or cysteine) proteinase inhibitor, clade I (neuroserpin), member 1	0.249843	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0050 25	SERPINI1	serine (or cysteine) proteinase inhibitor, clade I (neuroserpin), member 1	0.507846	Inlier
siRNA Disorazole DMSO Run2	NM_0050 25	SERPINI1	serine (or cysteine) proteinase inhibitor, clade I (neuroserpin), member 1	0.702472	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0050 25	SERPINI1	serine (or cysteine) proteinase inhibitor, clade I (neuroserpin), member 1	1.206156	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0062 17	SERPINI2	serine (or cysteine) proteinase inhibitor, clade I (pancpin), member 2	-3.238626	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0062 17	SERPINI2	serine (or cysteine) proteinase inhibitor, clade I (pancpin), member 2	-3.030694	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0062 17	SERPINI2	serine (or cysteine) proteinase inhibitor, clade I (pancpin), member 2	-2.052168	Inlier
siRNA Disorazole DMSO Run3	NM_0062 17	SERPINI2	serine (or cysteine) proteinase inhibitor, clade I (pancpin), member 2	-0.377301	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0062 17	SERPINI2	serine (or cysteine) proteinase inhibitor, clade I (pancpin), member 2	0.377301	Inlier
siRNA Disorazole DMSO Run2	NM_0062 17	SERPINI2	serine (or cysteine) proteinase inhibitor, clade I (pancpin), member 2	0.528136	Inlier
siRNA Disorazole DMSO Run1	NM_0062 17	SERPINI2	serine (or cysteine) proteinase inhibitor, clade I (pancpin), member 2	0.560395	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0062 17	SERPINI2	serine (or cysteine) proteinase inhibitor, clade I (pancpin), member 2	0.788605	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_2015 75	SEZ6L2	seizure related 6 homolog (mouse)- like 2	-0.793963 Inlier
siRNA-Vinblastine Run2-DMSO	NM_2015 75	SEZ6L2	seizure related 6 homolog (mouse)- like 2	-0.555037 Inlier
siRNA Disorazole DMSO Run1	NM_2015 75	SEZ6L2	seizure related 6 homolog (mouse)- like 2	-0.319313 Inlier
siRNA-Temozolomide Run2-DMSO	NM_2015 75	SEZ6L2	seizure related 6 homolog (mouse)- like 2	-0.085521 Inlier
siRNA-Temozolomide Run1-DMSO	NM_2015 75	SEZ6L2	seizure related 6 homolog (mouse)- like 2	0.085521 Inlier
siRNA Disorazole DMSO Run3	NM_2015 75	SEZ6L2	seizure related 6 homolog (mouse)- like 2	0.926156 Inlier
siRNA Disorazole DMSO Run2	NM_2015 75	SEZ6L2	seizure related 6 homolog (mouse)- like 2	3.169316 Inlier
siRNA-Vinblastine Run1-DMSO	NM_2015 75	SEZ6L2	seizure related 6 homolog (mouse)- like 2	3.798881 Outlier
siRNA Disorazole DMSO Run1	NM_0227 54	SFXN1	sideroflexi n 1	-0.725064 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0227 54	SFXN1	sideroflexi n 1	-0.623936 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0227 54	SFXN1	sideroflexi n 1	-0.318498 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0227 54	SFXN1	sideroflexi n 1	-0.288558 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0227 54	SFXN1	sideroflexi n 1	0.288558 Inlier
siRNA Disorazole DMSO Run3	NM_0227 54	SFXN1	sideroflexi n 1	1.062831 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Vinblastine Run1- DMSO	NM_0227 54	SFXN1	sideroflexi n 1	1.457192	Inlier
siRNA Disorazole DMSO Run2	NM_0227 54	SFXN1	sideroflexi n 1	2.468638	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1445 79	SFXN5	sideroflexi n 5	-0.945889	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1445 79	SFXN5	sideroflexi n 5	-0.522803	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1445 79	SFXN5	sideroflexi n 5	-0.258984	Inlier
siRNA Disorazole DMSO Run1	NM_1445 79	SFXN5	sideroflexi n 5	-0.201723	Inlier
siRNA Disorazole DMSO Run3	NM_1445 79	SFXN5	sideroflexi n 5	0.201724	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1445 79	SFXN5	sideroflexi n 5	0.826197	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1445 79	SFXN5	sideroflexi n 5	1.488407	Inlier
siRNA Disorazole DMSO Run2	NM_1445 79	SFXN5	sideroflexi n 5	1.542915	Inlier
siRNA Disorazole DMSO Run1	NM_0056 27	SGK	serum/glu cocorticoid regulated kinase	-1.36409	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0056 27	SGK	serum/glu cocorticoid regulated kinase	-0.90777	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0056 27	SGK	serum/glu cocorticoid regulated kinase	-0.45805	Inlier
siRNA Disorazole DMSO Run2	NM_0056 27	SGK	serum/glu cocorticoid regulated kinase	-0.058117	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0056 27	SGK	serum/glu cocorticoid regulated kinase	0.058116	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0056 27	SGK	serum/glu cocorticoid regulated kinase	0.254692	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0056 27	SGK	serum/glu cocorticoid regulated kinase	0.89095 Inlier
siRNA Disorazole DMSO Run3	NM_0056 27	SGK	serum/glu cocorticoid regulated kinase	1.517437 Inlier
siRNA Disorazole DMSO Run2	NM_0162 76	SGK2	serum/glu cocorticoid regulated kinase 2	-0.693183 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0162 76	SGK2	serum/glu cocorticoid regulated kinase 2	-0.655817 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0162 76	SGK2	serum/glu cocorticoid regulated kinase 2	-0.491565 Inlier
siRNA Disorazole DMSO Run3	NM_0162 76	SGK2	serum/glu cocorticoid regulated kinase 2	-0.48496 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0162 76	SGK2	serum/glu cocorticoid regulated kinase 2	0.48496 Inlier
siRNA Disorazole DMSO Run1	NM_0162 76	SGK2	serum/glu cocorticoid regulated kinase 2	0.815294 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0162 76	SGK2	serum/glu cocorticoid regulated kinase 2	1.051718 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0162 76	SGK2	serum/glu cocorticoid regulated kinase 2	1.180745 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_1707 09	SGKL	serum/glu cocorticoid regulated kinase-like	-0.762654	Inlier
siRNA Disorazole DMSO Run2	NM_1707 09	SGKL	serum/glu cocorticoid regulated kinase-like	-0.586346	Inlier
siRNA Disorazole DMSO Run3	NM_1707 09	SGKL	serum/glu cocorticoid regulated kinase-like	-0.436388	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1707 09	SGKL	serum/glu cocorticoid regulated kinase-like	-0.289374	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1707 09	SGKL	serum/glu cocorticoid regulated kinase-like	0.289374	Inlier
siRNA Disorazole DMSO Run1	NM_1707 09	SGKL	serum/glu cocorticoid regulated kinase-like	1.448282	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1707 09	SGKL	serum/glu cocorticoid regulated kinase-like	2.082687	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1707 09	SGKL	serum/glu cocorticoid regulated kinase-like sphingosin e-1-	2.170902	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0039 01	SGPL1	phosphate lyase 1	-1.158981	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_003901	SGPL1	sphingosin e-1-phosphate lyase 1	-0.727906	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003901	SGPL1	sphingosin e-1-phosphate lyase 1	-0.17733	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003901	SGPL1	sphingosin e-1-phosphate lyase 1	-0.033337	Inlier
siRNA Disorazole DMSO Run3	NM_003901	SGPL1	sphingosin e-1-phosphate lyase 1	0.033337	Inlier
siRNA Disorazole DMSO Run1	NM_003901	SGPL1	sphingosin e-1-phosphate lyase 1	0.621094	Inlier
siRNA Disorazole DMSO Run2	NM_003901	SGPL1	sphingosin e-1-phosphate lyase 1	1.33401	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003901	SGPL1	sphingosin e-1-phosphate lyase 1	2.230155	Inlier
siRNA Disorazole DMSO Run2	NM_030791	SGPP1	sphingosin e-1-phosphate phosphatase 1	-0.895191	Inlier
siRNA Disorazole DMSO Run3	NM_030791	SGPP1	sphingosin e-1-phosphate phosphatase 1	-0.792801	Inlier
siRNA-Temozolomide Run2-DMSO	NM_030791	SGPP1	sphingosin e-1-phosphate phosphatase 1	-0.556199	Inlier
siRNA Disorazole DMSO Run1	NM_030791	SGPP1	sphingosin e-1-phosphate phosphatase 1	-0.276486	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_030791	SGPP1	sphingosin e-1-phosphate phosphatase 1	0.276485	Inlier
siRNA-Temozolomide Run3-DMSO	NM_030791	SGPP1	sphingosin e-1-phosphate phosphatase 1	0.483379	Inlier
siRNA-Vinblastine Run2-DMSO	NM_030791	SGPP1	sphingosin e-1-phosphate phosphatase 1	1.570878	Inlier
siRNA-Vinblastine Run1-DMSO	NM_030791	SGPP1	sphingosin e-1-phosphate phosphatase 1	1.723776	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000199	SGSH	N-sulfoglucosamine sulfohydrolase (sulfamidase)	-1.551319	Inlier
siRNA Disorazole DMSO Run3	NM_000199	SGSH	N-sulfoglucosamine sulfohydrolase (sulfamidase)	-1.511257	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000199	SGSH	N-sulfoglucosamine sulfohydrolase (sulfamidase)	-0.638807	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000199	SGSH	N-sulfoglucosamine sulfohydrolase (sulfamidase)	-0.061622	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_000199	SGSH	N-sulfoglucosamine sulfohydrolase (sulfamidase)	0.061622	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000199	SGSH	N-sulfoglucosamine sulfohydrolase (sulfamidase)	0.206974	Inlier
siRNA Disorazole DMSO Run1	NM_000199	SGSH	N-sulfoglucosamine sulfohydrolase (sulfamidase)	0.710193	Inlier
siRNA Disorazole DMSO Run2	NM_000199	SGSH	N-sulfoglucosamine sulfohydrolase (sulfamidase)	1.272399	Inlier
siRNA-Temozolomide Run3-DMSO	NM_018957	SH3BP1	SH3-domain binding protein 1	-0.800712	Inlier
siRNA-Temozolomide Run2-DMSO	NM_018957	SH3BP1	SH3-domain binding protein 1	-0.647641	Inlier
siRNA Disorazole DMSO Run1	NM_018957	SH3BP1	SH3-domain binding protein 1	-0.512962	Inlier
siRNA-Temozolomide Run1-DMSO	NM_018957	SH3BP1	SH3-domain binding protein 1	-0.010702	Inlier
siRNA Disorazole DMSO Run3	NM_018957	SH3BP1	SH3-domain binding protein 1	0.010702	Inlier
siRNA-Vinblastine Run2-DMSO	NM_018957	SH3BP1	SH3-domain binding protein 1	0.701359	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Score	Outlier Status
siRNA-Vinblastine Run1-DMSO	NM_0189 57	SH3BP1	SH3-domain binding protein 1	1.560055	Inlier
siRNA Disorazole DMSO Run2	NM_0189 57	SH3BP1	SH3-domain binding protein 1	2.256369	Inlier
siRNA Disorazole DMSO Run2	NM_0010 24666	SH3KBP1	SH3-domain kinase binding protein 1	-0.808516	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 24666	SH3KBP1	SH3-domain kinase binding protein 1	-0.675917	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 24666	SH3KBP1	SH3-domain kinase binding protein 1	-0.673083	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 24666	SH3KBP1	SH3-domain kinase binding protein 1	-0.577856	Inlier
siRNA Disorazole DMSO Run1	NM_0010 24666	SH3KBP1	SH3-domain kinase binding protein 1	0.577856	Inlier
siRNA Disorazole DMSO Run3	NM_0010 24666	SH3KBP1	SH3-domain kinase binding protein 1	0.583233	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 24666	SH3KBP1	SH3-domain kinase binding protein 1	0.733628	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 24666	SH3KBP1	SH3-domain kinase binding protein 1	1.249379	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Method	Gene Name	Log Fold Change	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_015001	SHARP	spen homolog, transcriptional regulator (Drosophila)	-2.546081	Inlier
siRNA-Temozolomide Run2-DMSO	NM_015001	SHARP	spen homolog, transcriptional regulator (Drosophila)	-0.686856	Inlier
siRNA-Temozolomide Run1-DMSO	NM_015001	SHARP	spen homolog, transcriptional regulator (Drosophila)	-0.616337	Inlier
siRNA Disorazole DMSO Run3	NM_015001	SHARP	spen homolog, transcriptional regulator (Drosophila)	-0.004552	Inlier
siRNA Disorazole DMSO Run1	NM_015001	SHARP	spen homolog, transcriptional regulator (Drosophila)	0.004552	Inlier
siRNA-Vinblastine Run1-DMSO	NM_015001	SHARP	spen homolog, transcriptional regulator (Drosophila)	0.662144	Inlier
siRNA Disorazole DMSO Run2	NM_015001	SHARP	spen homolog, transcriptional regulator (Drosophila)	0.79341	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_015001	SHARP	spen homolog, transcriptional regulator (Drosophila)	1.628095	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000193	SHH	sonic hedgehog homolog (Drosophila)	-3.936011	Outlier
siRNA-Temozolomide Run3-DMSO	NM_000193	SHH	sonic hedgehog homolog (Drosophila)	-0.62662	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000193	SHH	sonic hedgehog homolog (Drosophila)	-0.568873	Inlier
siRNA Disorazole DMSO Run1	NM_000193	SHH	sonic hedgehog homolog (Drosophila)	-0.245513	Inlier
siRNA Disorazole DMSO Run3	NM_000193	SHH	sonic hedgehog homolog (Drosophila)	0.245513	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000193	SHH	sonic hedgehog homolog (Drosophila)	0.72238	Inlier
siRNA Disorazole DMSO Run2	NM_000193	SHH	sonic hedgehog homolog (Drosophila)	1.159689	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000193	SHH	sonic hedgehog homolog (Drosophila)	1.980663	Inlier
siRNA Disorazole DMSO Run3	NM_148918	SHMT1	serine hydroxymethyltransferase 1 (soluble)	-0.746906	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log Fold Change	Outlier Status
siRNA-Vinblastine Run2-DMSO	NM_1489 18	SHMT1	serine hydroxyme thyltransfe rase 1 (soluble)	-0.602094	Inlier
siRNA Disorazole DMSO Run1	NM_1489 18	SHMT1	serine hydroxyme thyltransfe rase 1 (soluble)	-0.535651	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1489 18	SHMT1	serine hydroxyme thyltransfe rase 1 (soluble)	-0.452143	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1489 18	SHMT1	serine hydroxyme thyltransfe rase 1 (soluble)	0.452143	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1489 18	SHMT1	serine hydroxyme thyltransfe rase 1 (soluble)	1.749574	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1489 18	SHMT1	serine hydroxyme thyltransfe rase 1 (soluble)	3.077428	Inlier
siRNA Disorazole DMSO Run2	NM_1489 18	SHMT1	serine hydroxyme thyltransfe rase 1 (soluble)	4.129159	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0054 12	SHMT2	serine hydroxyme thyltransfe rase 2 (mitochon drial)	-1.273779	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0054 12	SHMT2	serine hydroxyme thyltransfe rase 2 (mitochon drial)	-0.957472	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log Fold Change	Outlier Status
siRNA-Vinblastine Run2-DMSO	NM_005412	SHMT2	serine hydroxymethyltransferase 2 (mitochondrial)	-0.366517	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005412	SHMT2	serine hydroxymethyltransferase 2 (mitochondrial)	-0.031074	Inlier
siRNA Disorazole DMSO Run3	NM_005412	SHMT2	serine hydroxymethyltransferase 2 (mitochondrial)	0.031074	Inlier
siRNA Disorazole DMSO Run1	NM_005412	SHMT2	serine hydroxymethyltransferase 2 (mitochondrial)	0.391528	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005412	SHMT2	serine hydroxymethyltransferase 2 (mitochondrial)	1.85981	Inlier
siRNA Disorazole DMSO Run2	NM_005412	SHMT2	serine hydroxymethyltransferase 2 (mitochondrial)	2.208873	Inlier
siRNA-Temozolomide Run3-DMSO	NM_018836	SHREW1	SHREW1	-2.470305	Inlier
siRNA-Temozolomide Run2-DMSO	NM_018836	SHREW1	SHREW1	-0.615434	Inlier
siRNA-Temozolomide Run1-DMSO	NM_018836	SHREW1	SHREW1	-0.497814	Inlier
siRNA Disorazole DMSO Run3	NM_018836	SHREW1	SHREW1	-0.04291	Inlier
siRNA Disorazole DMSO Run1	NM_018836	SHREW1	SHREW1	0.04291	Inlier
siRNA-Vinblastine Run1-DMSO	NM_018836	SHREW1	SHREW1	0.733566	Inlier
siRNA-Vinblastine Run2-DMSO	NM_018836	SHREW1	SHREW1	0.997932	Inlier
siRNA Disorazole DMSO Run2	NM_018836	SHREW1	SHREW1	2.617675	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0010 41	SI	sucrase-isomaltase (alpha-glucosidase)	-0.706317	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 41	SI	sucrase-isomaltase (alpha-glucosidase)	-0.702253	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 41	SI	sucrase-isomaltase (alpha-glucosidase)	-0.389796	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 41	SI	sucrase-isomaltase (alpha-glucosidase)	-0.137796	Inlier
siRNA Disorazole DMSO Run3	NM_0010 41	SI	sucrase-isomaltase (alpha-glucosidase)	0.137796	Inlier
siRNA Disorazole DMSO Run1	NM_0010 41	SI	sucrase-isomaltase (alpha-glucosidase)	0.664788	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 41	SI	sucrase-isomaltase (alpha-glucosidase)	0.684212	Inlier
siRNA Disorazole DMSO Run2	NM_0010 41	SI	sucrase-isomaltase (alpha-glucosidase)	0.696226	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1732 17	SIAT1	ST6 beta-galactosamide alpha-2,6-sialyltransferase 1	-2.072578	Inlier
siRNA Disorazole DMSO Run1	NM_1732 17	SIAT1	ST6 beta-galactosamide alpha-2,6-sialyltransferase 1	-1.121375	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_1732 17	SIAT1	ST6 beta-galactosaminidase alpha-2,6-sialyltransferase 1	-0.466573	Inlier
siRNA Disorazole DMSO Run3	NM_1732 17	SIAT1	ST6 beta-galactosaminidase alpha-2,6-sialyltransferase 1	-0.206701	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1732 17	SIAT1	ST6 beta-galactosaminidase alpha-2,6-sialyltransferase 1	0.206701	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1732 17	SIAT1	ST6 beta-galactosaminidase alpha-2,6-sialyltransferase 1	0.265319	Inlier
siRNA Disorazole DMSO Run2	NM_1732 17	SIAT1	ST6 beta-galactosaminidase alpha-2,6-sialyltransferase 1	0.882427	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1732 17	SIAT1	ST3 beta-galactosidase alpha-2,3-sialyltransferase 6	0.902207	Inlier
siRNA Disorazole DMSO Run3	NM_0061 00	SIAT10	ST3 beta-galactosidase alpha-2,3-sialyltransferase 6	-0.675285	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0061 00	SIAT10	ST3 beta-galactosidase alpha-2,3-sialyltransferase 6	-0.673715	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_006100	SIAT10	ST3 beta-galactosidase alpha-2,3-sialyltransferase 6	-0.436461	Inlier
siRNA Disorazole DMSO Run1	NM_006100	SIAT10	ST3 beta-galactosidase alpha-2,3-sialyltransferase 6	-0.421013	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006100	SIAT10	ST3 beta-galactosidase alpha-2,3-sialyltransferase 6	0.421013	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006100	SIAT10	ST3 beta-galactosidase alpha-2,3-sialyltransferase 6	1.015821	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006100	SIAT10	ST3 beta-galactosidase alpha-2,3-sialyltransferase 6	4.482258	Outlier
siRNA Disorazole DMSO Run2	NM_006100	SIAT10	ST3 beta-galactosidase alpha-2,3-sialyltransferase 6	5.306235	Outlier
siRNA Disorazole DMSO Run3	NM_003033	SIAT4A	ST3 beta-galactosidase alpha-2,3-sialyltransferase 1	-0.803307	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003033	SIAT4A	ST3 beta-galactosidase alpha-2,3-sialyltransferase 1	-0.545693	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0030 33	SIAT4A	ST3 beta-galactosidase 1	-0.445033	Inlier
siRNA Disorazole DMSO Run1	NM_0030 33	SIAT4A	ST3 beta-galactosidase 1	-0.415076	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0030 33	SIAT4A	ST3 beta-galactosidase 1	0.415076	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0030 33	SIAT4A	ST3 beta-galactosidase 1	1.907356	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0030 33	SIAT4A	ST3 beta-galactosidase 1	3.456815	Inlier
siRNA Disorazole DMSO Run2	NM_0030 33	SIAT4A	ST3 beta-galactosidase 1	3.785585	Outlier
siRNA-Vinblastine Run2-DMSO	NM_0069 27	SIAT4B	ST3 beta-galactosidase 2	-0.838815	Inlier
siRNA Disorazole DMSO Run3	NM_0069 27	SIAT4B	ST3 beta-galactosidase 2	-0.510185	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0069 27	SIAT4B	ST3 beta-galactosidase 2	-0.411675	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0069 27	SIAT4B	ST3 beta-galactosidase 2	-0.283624	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0069 27	SIAT4B	ST3 beta-galactosidase 2	0.283624	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0069 27	SIAT4B	ST3 beta-galactosidase 2	2.473558	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0069 27	SIAT4B	ST3 beta-galactosidase 2	11.09674	Outlier
siRNA Disorazole DMSO Run2	NM_0069 27	SIAT4B	ST3 beta-galactosidase 2	15.11351	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0062 78	SIAT4C	ST3 beta-galactosidase 4	-1.212086	Inlier
siRNA Disorazole DMSO Run1	NM_0062 78	SIAT4C	ST3 beta-galactosidase 4	-0.762188	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_006278	SIAT4C	ST3 beta-galactosidase alpha-2,3-sialyltransferase 4	-0.586812	Inlier
siRNA Disorazole DMSO Run3	NM_006278	SIAT4C	ST3 beta-galactosidase alpha-2,3-sialyltransferase 4	-0.181294	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006278	SIAT4C	ST3 beta-galactosidase alpha-2,3-sialyltransferase 4	0.181294	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006278	SIAT4C	ST3 beta-galactosidase alpha-2,3-sialyltransferase 4	0.289204	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006278	SIAT4C	ST3 beta-galactosidase alpha-2,3-sialyltransferase 4	1.145066	Inlier
siRNA Disorazole DMSO Run2	NM_006278	SIAT4C	ST3 beta-galactosidase alpha-2,3-sialyltransferase 4	1.734565	Inlier
siRNA-Vinblastine Run1-DMSO	NM_174971	SIAT6	ST3 beta-galactosidase alpha-2,3-sialyltransferase 3	-0.828982	Inlier
siRNA-Temozolomide Run3-DMSO	NM_174971	SIAT6	ST3 beta-galactosidase alpha-2,3-sialyltransferase 3	-0.770543	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_1749 71	SIAT6	ST3 beta-galactosidase alpha-2,3-sialyltransferase 3	-0.687262	Inlier
siRNA Disorazole DMSO Run3	NM_1749 71	SIAT6	ST3 beta-galactosidase alpha-2,3-sialyltransferase 3	-0.352514	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1749 71	SIAT6	ST3 beta-galactosidase alpha-2,3-sialyltransferase 3	0.352514	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1749 71	SIAT6	ST3 beta-galactosidase alpha-2,3-sialyltransferase 3	0.52834	Inlier
siRNA Disorazole DMSO Run1	NM_1749 71	SIAT6	ST3 beta-galactosidase alpha-2,3-sialyltransferase 3	0.661738	Inlier
siRNA Disorazole DMSO Run2	NM_1749 71	SIAT6	ST3 beta-galactosidase alpha-2,3-sialyltransferase 3	1.88603	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0184 14	SIAT7A	ST6 (alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetylglucosaminidase alpha-2,6-sialyltransferase 1	-0.997193	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			ST6 (alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 1	
siRNA-Temozolomide Run3-DMSO	NM_018414	SIAT7A		-0.792011 Inlier

			ST6 (alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 1	
siRNA Disorazole DMSO Run3	NM_018414	SIAT7A		-0.556989 Inlier

			ST6 (alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 1	
siRNA-Temozolomide Run2-DMSO	NM_018414	SIAT7A		-0.06542 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0184 14	SIAT7A	ST6 (alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 1	0.06542 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0184 14	SIAT7A	ST6 (alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 1	0.421951 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0184 14	SIAT7A	ST6 (alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 1	2.836179 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0184 14	SIAT7A	ST6 (alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetylglucosaminidase alpha-2,6-sialyltransferase 1	3.681389	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0064 56	SIAT7B	ST6 (alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetylglucosaminidase alpha-2,6-sialyltransferase 2	-1.204156	Inlier
siRNA Disorazole DMSO Run3	NM_0064 56	SIAT7B	ST6 (alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetylglucosaminidase alpha-2,6-sialyltransferase 2	-0.913832	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_006456	SIAT7B	ST6 (alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 2	-0.651397	Inlier
siRNA Disorazole DMSO Run1	NM_006456	SIAT7B	ST6 (alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 2	-0.005869	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006456	SIAT7B	ST6 (alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 2	0.005869	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_006456	SIAT7B	ST6 (alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetylglucosaminidase alpha-2,6-sialyltransferase 2	0.365407	Inlier
siRNA Disorazole DMSO Run2	NM_006456	SIAT7B	ST6 (alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetylglucosaminidase alpha-2,6-sialyltransferase 2	0.697603	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006456	SIAT7B	ST6 (alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetylglucosaminidase alpha-2,6-sialyltransferase 2	0.814657	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_1529 96	SIAT7C	ST6 (alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 3	-1.520645	Inlier
siRNA Disorazole DMSO Run1	NM_1529 96	SIAT7C	ST6 (alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 3	-0.749238	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1529 96	SIAT7C	ST6 (alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 3	-0.371528	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			ST6 (alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 3	
siRNA-Temozolomide Run2-DMSO	NM_152996	SIAT7C		-0.188971 Inlier

			ST6 (alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 3	
siRNA Disorazole DMSO Run3	NM_152996	SIAT7C		0.188971 Inlier

			ST6 (alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 3	
siRNA-Temozolomide Run1-DMSO	NM_152996	SIAT7C		0.599762 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_152996	SIAT7C	ST6 (alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetylglucosaminidase alpha-2,6-sialyltransferase 3	1.034131	Inlier
siRNA Disorazole DMSO Run2	NM_152996	SIAT7C	ST6 (alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetylglucosaminidase alpha-2,6-sialyltransferase 3	1.653046	Inlier
siRNA-Temozolomide Run3-DMSO	NM_014403	SIAT7D	ST6 (alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetylglucosaminidase alpha-2,6-sialyltransferase 4	-1.396105	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_014403	SIAT7D	ST6 (alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetylglucosaminidase alpha-2,6-sialyltransferase 4	-0.86312	Inlier
siRNA-Temozolomide Run2-DMSO	NM_014403	SIAT7D	ST6 (alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetylglucosaminidase alpha-2,6-sialyltransferase 4	-0.48588	Inlier
siRNA Disorazole DMSO Run3	NM_014403	SIAT7D	ST6 (alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetylglucosaminidase alpha-2,6-sialyltransferase 4	-0.157795	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_014403	SIAT7D	ST6 (alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 4	0.157795	Inlier
siRNA Disorazole DMSO Run1	NM_014403	SIAT7D	ST6 (alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 4	0.388145	Inlier
siRNA-Vinblastine Run1-DMSO	NM_014403	SIAT7D	ST6 (alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 4	1.016631	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0144 03	SIAT7D	ST6 (alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 4	1.135895	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0309 65	SIAT7E	ST6 (alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 5	-0.845965	Inlier
siRNA Disorazole DMSO Run3	NM_0309 65	SIAT7E	ST6 (alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 5	-0.503035	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0309 65	SIAT7E	ST6 (alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 5	-0.442573	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0309 65	SIAT7E	ST6 (alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 5	-0.246484	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0309 65	SIAT7E	ST6 (alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 5	0.246484	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_030965	SIAT7E	ST6 (alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 5	2.213945	Inlier
siRNA Disorazole DMSO Run2	NM_030965	SIAT7E	ST6 (alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 5	17.3137	Outlier
siRNA-Vinblastine Run1-DMSO	NM_030965	SIAT7E	ST6 (alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 5	24.40895	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			ST6 (alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetylglucosaminide alpha-2,6-sialyltransferase 6	
siRNA-Temozolomide Run2-DMSO	NM_013443	SIAT7F		-1.012583 Inlier

			ST6 (alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetylglucosaminide alpha-2,6-sialyltransferase 6	
siRNA-Temozolomide Run3-DMSO	NM_013443	SIAT7F		-0.943399 Inlier

			ST6 (alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetylglucosaminide alpha-2,6-sialyltransferase 6	
siRNA Disorazole DMSO Run3	NM_013443	SIAT7F		-0.15151 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0134 43	SIAT7F	ST6 (alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 6	-0.120259	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0134 43	SIAT7F	ST6 (alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 6	0.120259	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0134 43	SIAT7F	ST6 (alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 6	0.405601	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0134 43	SIAT7F	ST6 (alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetylglucosaminidase alpha-2,6-sialyltransferase 6	2.678281	Inlier
siRNA Disorazole DMSO Run2	NM_0134 43	SIAT7F	ST6 (alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetylglucosaminidase alpha-2,6-sialyltransferase 6	2.75247	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0030 34	SIAT8A	ST8 alpha-N-acetylneuraminidase alpha-2,8-sialyltransferase 1	-1.174881	Inlier
siRNA Disorazole DMSO Run1	NM_0030 34	SIAT8A	ST8 alpha-N-acetylneuraminidase alpha-2,8-sialyltransferase 1	-0.960797	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0030 34	SIAT8A	ST8 alpha-N-acetylneuraminidase alpha-2,8-sialyltransferase 1	-0.352473	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0030 34	SIAT8A	ST8 alpha-N-acetylneuraminidase 1	-0.071799	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0030 34	SIAT8A	ST8 alpha-N-acetylneuraminidase 1	0.071799	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0030 34	SIAT8A	ST8 alpha-N-acetylneuraminidase 1	0.388203	Inlier
siRNA Disorazole DMSO Run2	NM_0030 34	SIAT8A	ST8 alpha-N-acetylneuraminidase 1	1.315553	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0030 34	SIAT8A	ST8 alpha-N-acetylneuraminidase 1	1.990734	Inlier
siRNA Disorazole DMSO Run3	NM_0060 11	SIAT8B	ST8 alpha-N-acetylneuraminidase 2	-1.199076	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0060 11	SIAT8B	ST8 alpha-N-acetylneuraminidase 2	-1.003027	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0060 11	SIAT8B	ST8 alpha-N-acetylneuraminide alpha-2,8-sialyltransferase 2	-0.345973	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0060 11	SIAT8B	ST8 alpha-N-acetylneuraminide alpha-2,8-sialyltransferase 2	-0.109995	Inlier
siRNA Disorazole DMSO Run1	NM_0060 11	SIAT8B	ST8 alpha-N-acetylneuraminide alpha-2,8-sialyltransferase 2	0.109995	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0060 11	SIAT8B	ST8 alpha-N-acetylneuraminide alpha-2,8-sialyltransferase 2	0.179724	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0060 11	SIAT8B	ST8 alpha-N-acetylneuraminide alpha-2,8-sialyltransferase 2	2.988908	Inlier
siRNA Disorazole DMSO Run2	NM_0060 11	SIAT8B	ST8 alpha-N-acetylneuraminide alpha-2,8-sialyltransferase 2	4.444649	Outlier
siRNA Disorazole DMSO Run3	NM_0158 79	SIAT8C	ST8 alpha-N-acetylneuraminide alpha-2,8-sialyltransferase 3	-1.485937	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0158 79	SIAT8C	ST8 alpha-N-acetylneuraminidase alpha-2,8-sialyltransferase 3	-0.923323	Inlier
siRNA Disorazole DMSO Run1	NM_0158 79	SIAT8C	ST8 alpha-N-acetylneuraminidase alpha-2,8-sialyltransferase 3	-0.463338	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0158 79	SIAT8C	ST8 alpha-N-acetylneuraminidase alpha-2,8-sialyltransferase 3	-0.275178	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0158 79	SIAT8C	ST8 alpha-N-acetylneuraminidase alpha-2,8-sialyltransferase 3	0.275178	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0158 79	SIAT8C	ST8 alpha-N-acetylneuraminidase alpha-2,8-sialyltransferase 3	0.515902	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0158 79	SIAT8C	ST8 alpha-N-acetylneuraminidase alpha-2,8-sialyltransferase 3	0.833098	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0158 79	SIAT8C	ST8 alpha-N-acetylneuraminidase alpha-2,8-sialyltransferase 3	1.292683	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Cell Line	Gene Name	Log Fold Change	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_005668	SIAT8D	ST8 alpha-N-acetylneuraminidase 4	-2.685521	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005668	SIAT8D	ST8 alpha-N-acetylneuraminidase 4	-1.14457	Inlier
siRNA Disorazole DMSO Run3	NM_005668	SIAT8D	ST8 alpha-N-acetylneuraminidase 4	-0.37734	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005668	SIAT8D	ST8 alpha-N-acetylneuraminidase 4	-0.21018	Inlier
siRNA Disorazole DMSO Run1	NM_005668	SIAT8D	ST8 alpha-N-acetylneuraminidase 4	0.21018	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005668	SIAT8D	ST8 alpha-N-acetylneuraminidase 4	0.223443	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005668	SIAT8D	ST8 alpha-N-acetylneuraminidase 4	0.97166	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0056 68	SIAT8D	ST8 alpha-N-acetylneuraminidase 4	0.986976	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0133 05	SIAT8E	ST8 alpha-N-acetylneuraminidase 5	-1.804278	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0133 05	SIAT8E	ST8 alpha-N-acetylneuraminidase 5	-0.78729	Inlier
siRNA Disorazole DMSO Run1	NM_0133 05	SIAT8E	ST8 alpha-N-acetylneuraminidase 5	-0.561711	Inlier
siRNA Disorazole DMSO Run3	NM_0133 05	SIAT8E	ST8 alpha-N-acetylneuraminidase 5	-0.116161	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0133 05	SIAT8E	ST8 alpha-N-acetylneuraminidase 5	0.116161	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0133 05	SIAT8E	ST8 alpha-N-acetylneuraminidase 5	0.517208	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0133 05	SIAT8E	ST8 alpha-N-acetylneuraminidase alpha-2,8-sialyltransferase 5	1.264805	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0133 05	SIAT8E	ST8 alpha-N-acetylneuraminidase alpha-2,8-sialyltransferase 5	1.286397	Inlier
siRNA Disorazole DMSO Run3	NM_0038 96	SIAT9	ST3 beta-galactosidase alpha-2,3-sialyltransferase 5	-1.257858	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0038 96	SIAT9	ST3 beta-galactosidase alpha-2,3-sialyltransferase 5	-1.231274	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0038 96	SIAT9	ST3 beta-galactosidase alpha-2,3-sialyltransferase 5	-0.698513	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0038 96	SIAT9	ST3 beta-galactosidase alpha-2,3-sialyltransferase 5	-0.087757	Inlier
siRNA Disorazole DMSO Run1	NM_0038 96	SIAT9	ST3 beta-galactosidase alpha-2,3-sialyltransferase 5	0.087757	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0038 96	SIAT9	ST3 beta-galactosidase alpha-2,3-sialyltransferase 5	0.372617	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0038 96	SIAT9	ST3 beta-galactosidase alpha-2,3-sialyltransferase 5	0.650487	Inlier
siRNA Disorazole DMSO Run2	NM_0038 96	SIAT9	ST3 beta-galactosidase alpha-2,3-sialyltransferase 5	1.300724	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0151 91	SIK2	SNF1-like kinase 2	-0.811887	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0151 91	SIK2	SNF1-like kinase 2	-0.537113	Inlier
siRNA Disorazole DMSO Run2	NM_0151 91	SIK2	SNF1-like kinase 2	-0.414326	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0151 91	SIK2	SNF1-like kinase 2	-0.411166	Inlier
siRNA Disorazole DMSO Run1	NM_0151 91	SIK2	SNF1-like kinase 2	0.411166	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0151 91	SIK2	SNF1-like kinase 2	1.190565	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0151 91	SIK2	SNF1-like kinase 2	1.382097	Inlier
siRNA Disorazole DMSO Run3	NM_0151 91	SIK2	SNF1-like kinase 2	1.585618	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1532 53	SIPA1	signal-induced proliferation-associated gene 1	-2.463212	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1532 53	SIPA1	signal-induced proliferation-associated gene 1	-0.512861	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1532 53	SIPA1	signal-induced proliferation-associated gene 1	-0.335794	Inlier
siRNA Disorazole DMSO Run3	NM_1532 53	SIPA1	signal-induced proliferation-associated gene 1	-0.330491	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			signal-induced proliferation-associated gene 1	
siRNA-Temozolomide Run2-DMSO	NM_1532 53	SIPA1	0.330492	Inlier
siRNA Disorazole DMSO Run1	NM_1532 53	SIPA1	0.836139	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1532 53	SIPA1	1.709743	Inlier
siRNA Disorazole DMSO Run2	NM_1532 53	SIPA1	1.796206	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0165 81	SITPEC	-1.631117	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0165 81	SITPEC	-1.43444	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0165 81	SITPEC	-0.523028	Inlier
siRNA Disorazole DMSO Run3	NM_0165 81	SITPEC	-0.065299	Inlier
siRNA Disorazole DMSO Run1	NM_0165 81	SITPEC	0.065299	Inlier
siRNA Disorazole DMSO Run2	NM_0165 81	SITPEC	0.158964	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0165 81	SITPEC	0.825972	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0165 81	SITPEC	1.170934	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0064 27	SIVA	-1.833459	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0064 27	SIVA	-1.274748	Inlier
siRNA Disorazole DMSO Run1	NM_0064 27	SIVA	-1.219787	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0064 27	SIVA	-0.094248	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0064 27	SIVA	0.094248	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0064 27	SIVA	0.472415	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_0064				
siRNA Disorazole DMSO Run3	27	SIVA	SIVA	0.645012	Inlier
	NM_0064				
siRNA Disorazole DMSO Run2	27	SIVA	SIVA	0.703988	Inlier
			SKB1		
			homolog		
	NM_0061		(S.		
siRNA Disorazole DMSO Run1	09	SKB1	pombe)	-1.513588	Inlier
			SKB1		
			homolog		
	NM_0061		(S.		
siRNA Disorazole DMSO Run3	09	SKB1	pombe)	-0.813431	Inlier
			SKB1		
			homolog		
	NM_0061		(S.		
siRNA-Temozolomide Run1-DMSO	09	SKB1	pombe)	-0.455815	Inlier
			SKB1		
			homolog		
	NM_0061		(S.		
siRNA-Vinblastine Run2-DMSO	09	SKB1	pombe)	-0.315176	Inlier
			SKB1		
			homolog		
	NM_0061		(S.		
siRNA-Temozolomide Run2-DMSO	09	SKB1	pombe)	0.315177	Inlier
			SKB1		
			homolog		
	NM_0061		(S.		
siRNA-Temozolomide Run3-DMSO	09	SKB1	pombe)	0.535569	Inlier
			SKB1		
			homolog		
	NM_0061		(S.		
siRNA Disorazole DMSO Run2	09	SKB1	pombe)	1.477852	Inlier
			SKB1		
			homolog		
	NM_0061		(S.		
siRNA-Vinblastine Run1-DMSO	09	SKB1	pombe)	2.928584	Inlier
	NM_1307				
siRNA Disorazole DMSO Run2	66	SKIP	SKIP	-0.779756	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1307				
	66	SKIP	SKIP	-0.703719	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1307				
	66	SKIP	SKIP	-0.574463	Inlier
	NM_1307				
siRNA Disorazole DMSO Run3	66	SKIP	SKIP	-0.495163	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1307				
	66	SKIP	SKIP	0.495163	Inlier
	NM_1307				
siRNA Disorazole DMSO Run1	66	SKIP	SKIP	0.645281	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1307				
	66	SKIP	SKIP	0.976296	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1307				
	66	SKIP	SKIP	1.070103	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0069 29	SKIV2L	superkiller viralicidic activity 2- like (S. cerevisiae)	-1.194051	Inlier
siRNA Disorazole DMSO Run1	NM_0069 29	SKIV2L	superkiller viralicidic activity 2- like (S. cerevisiae)	-0.487342	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0069 29	SKIV2L	superkiller viralicidic activity 2- like (S. cerevisiae)	-0.27652	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0069 29	SKIV2L	superkiller viralicidic activity 2- like (S. cerevisiae)	-0.076336	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0069 29	SKIV2L	superkiller viralicidic activity 2- like (S. cerevisiae)	0.076336	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0069 29	SKIV2L	superkiller viralicidic activity 2- like (S. cerevisiae)	0.861658	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0069 29	SKIV2L	superkiller viralicidic activity 2- like (S. cerevisiae)	1.036721	Inlier
siRNA Disorazole DMSO Run3	NM_0069 29	SKIV2L	superkiller viralicidic activity 2- like (S. cerevisiae)	2.678982	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0326 37	SKP2	S-phase kinase- associated protein 2 (p45)	-1.971934	Inlier
siRNA Disorazole DMSO Run2	NM_0326 37	SKP2	S-phase kinase- associated protein 2 (p45)	-1.35931	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0326 37	SKP2	S-phase kinase- associated protein 2 (p45)	-0.471495	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0326 37	SKP2	S-phase kinase- associated protein 2 (p45)	-0.22522	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0326 37	SKP2	S-phase kinase- associated protein 2 (p45)	0.225219	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0326 37	SKP2	S-phase kinase- associated protein 2 (p45)	0.609722	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0326 37	SKP2	S-phase kinase- associated protein 2 (p45)	0.739278	Inlier
siRNA Disorazole DMSO Run3	NM_0326 37	SKP2	S-phase kinase- associated protein 2 (p45)	1.880447	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0030 49	SLC10A1	solute carrier family 10 (sodium/bil e acid cotranspor ter family), member 1	-1.259685	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_003049	SLC10A1	solute carrier family 10 (sodium/bile acid cotransporter family), member 1	-1.133934	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003049	SLC10A1	solute carrier family 10 (sodium/bile acid cotransporter family), member 1	-0.739915	Inlier
siRNA Disorazole DMSO Run3	NM_003049	SLC10A1	solute carrier family 10 (sodium/bile acid cotransporter family), member 1	-0.083593	Inlier
siRNA Disorazole DMSO Run1	NM_003049	SLC10A1	solute carrier family 10 (sodium/bile acid cotransporter family), member 1	0.083592	Inlier
siRNA Disorazole DMSO Run2	NM_003049	SLC10A1	solute carrier family 10 (sodium/bile acid cotransporter family), member 1	0.250381	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_003049	SLC10A1	solute carrier family 10 (sodium/bile acid cotransporter family), member 1	0.609085	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003049	SLC10A1	solute carrier family 10 (sodium/bile acid cotransporter family), member 1	0.928227	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000452	SLC10A2	solute carrier family 10 (sodium/bile acid cotransporter family), member 2	-2.280151	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000452	SLC10A2	solute carrier family 10 (sodium/bile acid cotransporter family), member 2	-0.320991	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000452	SLC10A2	solute carrier family 10 (sodium/bile acid cotransporter family), member 2	-0.247818	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0004 52	SLC10A2	solute carrier family 10 (sodium/bile acid cotransporter family), member 2	-0.068454	Inlier
siRNA Disorazole DMSO Run2	NM_0004 52	SLC10A2	solute carrier family 10 (sodium/bile acid cotransporter family), member 2	0.068454	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0004 52	SLC10A2	solute carrier family 10 (sodium/bile acid cotransporter family), member 2	1.028009	Inlier
siRNA Disorazole DMSO Run1	NM_0004 52	SLC10A2	solute carrier family 10 (sodium/bile acid cotransporter family), member 2	1.293221	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0004 52	SLC10A2	solute carrier family 10 (sodium/bile acid cotransporter family), member 2	2.211735	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3- DMSO	NM_0198 48	SLC10A3	solute carrier family 10 (sodium/bil e acid cotranspor ter family), member 3	-1.439376 Inlier
----------------------------------	---------------	---------	---	------------------

siRNA-Temozolomide Run2- DMSO	NM_0198 48	SLC10A3	solute carrier family 10 (sodium/bil e acid cotranspor ter family), member 3	-0.937899 Inlier
----------------------------------	---------------	---------	---	------------------

siRNA-Temozolomide Run1- DMSO	NM_0198 48	SLC10A3	solute carrier family 10 (sodium/bil e acid cotranspor ter family), member 3	-0.766625 Inlier
----------------------------------	---------------	---------	---	------------------

siRNA Disorazole DMSO Run3	NM_0198 48	SLC10A3	solute carrier family 10 (sodium/bil e acid cotranspor ter family), member 3	-0.018471 Inlier
----------------------------	---------------	---------	---	------------------

siRNA Disorazole DMSO Run1	NM_0198 48	SLC10A3	solute carrier family 10 (sodium/bil e acid cotranspor ter family), member 3	0.018471 Inlier
----------------------------	---------------	---------	---	-----------------

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0198 48	SLC10A3	solute carrier family 10 (sodium/bile acid cotransporter family), member 3	0.489116	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0198 48	SLC10A3	solute carrier family 10 (sodium/bile acid cotransporter family), member 3	0.582375	Inlier
siRNA Disorazole DMSO Run2	NM_0198 48	SLC10A3	solute carrier family 10 (sodium/bile acid cotransporter family), member 3	0.92794	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1526 79	SLC10A4	solute carrier family 10 (sodium/bile acid cotransporter family), member 4	-2.96188	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1526 79	SLC10A4	solute carrier family 10 (sodium/bile acid cotransporter family), member 4	-1.595217	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_152679	SLC10A4	solute carrier family 10 (sodium/bile acid cotransporter family), member 4	-1.184958	Inlier
siRNA Disorazole DMSO Run2	NM_152679	SLC10A4	solute carrier family 10 (sodium/bile acid cotransporter family), member 4	-0.025491	Inlier
siRNA-Vinblastine Run2-DMSO	NM_152679	SLC10A4	solute carrier family 10 (sodium/bile acid cotransporter family), member 4	0.025491	Inlier
siRNA Disorazole DMSO Run1	NM_152679	SLC10A4	solute carrier family 10 (sodium/bile acid cotransporter family), member 4	0.119816	Inlier
siRNA-Vinblastine Run1-DMSO	NM_152679	SLC10A4	solute carrier family 10 (sodium/bile acid cotransporter family), member 4	0.205216	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_1526 79	SLC10A4	solute carrier family 10 (sodium/bile acid cotransporter family), member 4	1.143784	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0005 78	SLC11A1	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 1	-1.198288	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0005 78	SLC11A1	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 1	-0.847819	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0005 78	SLC11A1	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 1	-0.611926	Inlier
siRNA Disorazole DMSO Run2	NM_0005 78	SLC11A1	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 1	-0.016661	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0005 78	SLC11A1	solute carrier family 11 (proton-coupled divalent metal ion transporter s), member 1	0.016661	Inlier
siRNA Disorazole DMSO Run3	NM_0005 78	SLC11A1	solute carrier family 11 (proton-coupled divalent metal ion transporter s), member 1	0.410606	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0005 78	SLC11A1	solute carrier family 11 (proton-coupled divalent metal ion transporter s), member 1	0.737074	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0005 78	SLC11A1	solute carrier family 11 (proton-coupled divalent metal ion transporter s), member 1	0.943168	Inlier
siRNA Disorazole DMSO Run2	NM_0006 17	SLC11A2	solute carrier family 11 (proton-coupled divalent metal ion transporter s), member 2	-0.958573	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Gene Name	Log2 Fold Change	Category
siRNA-Temozolomide Run3-DMSO	NM_000617	SLC11A2	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2	-0.702832	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000617	SLC11A2	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2	-0.557364	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000617	SLC11A2	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2	-0.464062	Inlier
siRNA Disorazole DMSO Run3	NM_000617	SLC11A2	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2	0.464061	Inlier
siRNA Disorazole DMSO Run1	NM_000617	SLC11A2	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2	0.646168	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_000617	SLC11A2	solute carrier family 11 (proton-coupled divalent metal ion transporter s), member 2	0.928518	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000617	SLC11A2	solute carrier family 11 (proton-coupled divalent metal ion transporter s), member 2	1.694654	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000338	SLC12A1	solute carrier family 12 (sodium/potassium/c chloride transporter s), member 1	-0.957575	Inlier
siRNA Disorazole DMSO Run2	NM_000338	SLC12A1	solute carrier family 12 (sodium/potassium/c chloride transporter s), member 1	-0.391425	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000338	SLC12A1	solute carrier family 12 (sodium/potassium/c chloride transporter s), member 1	-0.310114	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA	Gene	Gene ID	Gene Name	Log2FC	Category
siRNA-Temozolomide Run1-DMSO	SLC12A1	NM_000338	solute carrier family 12 (sodium/potassium/chloride transporter), member 1	-0.039005	Inlier
siRNA Disorazole DMSO Run3	SLC12A1	NM_000338	solute carrier family 12 (sodium/potassium/chloride transporter), member 1	0.039005	Inlier
siRNA Disorazole DMSO Run1	SLC12A1	NM_000338	solute carrier family 12 (sodium/potassium/chloride transporter), member 1	1.34325	Inlier
siRNA-Vinblastine Run2-DMSO	SLC12A1	NM_000338	solute carrier family 12 (sodium/potassium/chloride transporter), member 1	2.36364	Inlier
siRNA-Vinblastine Run1-DMSO	SLC12A1	NM_000338	solute carrier family 12 (sodium/potassium/chloride transporter), member 1	2.813563	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Description	Log2 Fold Change	Outlier Status
siRNA-Temozolomide Run1-DMSO	NM_001046	SLC12A2	solute carrier family 12 (sodium/potassium/chloride transporters), member 2	-1.023027	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001046	SLC12A2	solute carrier family 12 (sodium/potassium/chloride transporters), member 2	-0.684231	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001046	SLC12A2	solute carrier family 12 (sodium/potassium/chloride transporters), member 2	-0.467944	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001046	SLC12A2	solute carrier family 12 (sodium/potassium/chloride transporters), member 2	-0.129716	Inlier
siRNA Disorazole DMSO Run1	NM_001046	SLC12A2	solute carrier family 12 (sodium/potassium/chloride transporters), member 2	0.129716	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Score	Category
siRNA-Vinblastine Run1-DMSO	NM_001046	SLC12A2	solute carrier family 12 (sodium/potassium/chloride transporters), member 2	0.664769	Inlier
siRNA Disorazole DMSO Run3	NM_001046	SLC12A2	solute carrier family 12 (sodium/potassium/chloride transporters), member 2	1.368024	Inlier
siRNA Disorazole DMSO Run2	NM_001046	SLC12A2	solute carrier family 12 (sodium/calcium/chloride transporters), member 2	2.460157	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000339	SLC12A3	solute carrier family 12 (sodium/calcium/chloride transporters), member 3	-0.827098	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000339	SLC12A3	solute carrier family 12 (sodium/calcium/chloride transporters), member 3	-0.821829	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000339	SLC12A3	solute carrier family 12 (sodium/calcium/chloride transporters), member 3	-0.661599	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Gene Description	Log2 Fold Change	Category
siRNA Disorazole DMSO Run1	SLC12A3	NM_000339	solute carrier family 12 (sodium/chloride transporters), member 3	-0.108829	Inlier
siRNA Disorazole DMSO Run2	SLC12A3	NM_000339	solute carrier family 12 (sodium/chloride transporters), member 3	0.108829	Inlier
siRNA Disorazole DMSO Run3	SLC12A3	NM_000339	solute carrier family 12 (sodium/chloride transporters), member 3	0.218674	Inlier
siRNA-Vinblastine Run2-DMSO	SLC12A3	NM_000339	solute carrier family 12 (sodium/chloride transporters), member 3	0.687401	Inlier
siRNA-Vinblastine Run1-DMSO	SLC12A3	NM_000339	solute carrier family 12 (sodium/chloride transporters), member 3	0.776259	Inlier
siRNA-Temozolomide Run3-DMSO	SLC12A4	NM_005072	solute carrier family 12 (potassium/chloride transporters), member 4	-1.247949	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_005072	SLC12A4	solute carrier family 12 (potassium/chloride transporters), member 4	-0.937608	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005072	SLC12A4	solute carrier family 12 (potassium/chloride transporters), member 4	-0.461746	Inlier
siRNA Disorazole DMSO Run3	NM_005072	SLC12A4	solute carrier family 12 (potassium/chloride transporters), member 4	-0.013732	Inlier
siRNA Disorazole DMSO Run1	NM_005072	SLC12A4	solute carrier family 12 (potassium/chloride transporters), member 4	0.013731	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005072	SLC12A4	solute carrier family 12 (potassium/chloride transporters), member 4	0.56679	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0050 72	SLC12A4	solute carrier family 12 (potassium/chloride transporters), member 4	0.78221	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0050 72	SLC12A4	solute carrier family 12 (potassium/chloride transporters), member 4	0.868809	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0207 08	SLC12A5	solute carrier family 12, (potassium-chloride transporter) member 5	-1.109911	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0207 08	SLC12A5	solute carrier family 12, (potassium-chloride transporter) member 5	-0.743095	Inlier
siRNA Disorazole DMSO Run2	NM_0207 08	SLC12A5	solute carrier family 12, (potassium-chloride transporter) member 5	-0.46737	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0207 08	SLC12A5	5	-0.323988	Inlier
					solute carrier family 12, (potassium-chloride transporter) member 5
siRNA Disorazole DMSO Run1	NM_0207 08	SLC12A5	5	0.323988	Inlier
					solute carrier family 12, (potassium-chloride transporter) member 5
siRNA-Temozolomide Run1-DMSO	NM_0207 08	SLC12A5	5	0.605905	Inlier
					solute carrier family 12, (potassium-chloride transporter) member 5
siRNA-Vinblastine Run2-DMSO	NM_0207 08	SLC12A5	5	5.159626	Outlier
					solute carrier family 12, (potassium-chloride transporter) member 5
siRNA-Vinblastine Run1-DMSO	NM_0207 08	SLC12A5	5	5.250355	Outlier
					solute carrier family 12, (potassium-chloride transporter) member 5

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_005135	SLC12A6	solute carrier family 12 (potassium/chloride transporters), member 6	-1.292012	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005135	SLC12A6	solute carrier family 12 (potassium/chloride transporters), member 6	-1.014867	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005135	SLC12A6	solute carrier family 12 (potassium/chloride transporters), member 6	-0.759119	Inlier
siRNA Disorazole DMSO Run1	NM_005135	SLC12A6	solute carrier family 12 (potassium/chloride transporters), member 6	-0.144512	Inlier
siRNA Disorazole DMSO Run2	NM_005135	SLC12A6	solute carrier family 12 (potassium/chloride transporters), member 6	0.144512	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0051 35	SLC12A6	solute carrier family 12 (potassium/chloride transporters), member 6	0.160221	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0051 35	SLC12A6	solute carrier family 12 (potassium/chloride transporters), member 6	0.589881	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0051 35	SLC12A6	solute carrier family 12 (potassium/chloride transporters), member 6	0.972685	Inlier
siRNA Disorazole DMSO Run2	NM_0065 98	SLC12A7	solute carrier family 12 (potassium/chloride transporters), member 7	-0.793279	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0065 98	SLC12A7	solute carrier family 12 (potassium/chloride transporters), member 7	-0.660587	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_006598	SLC12A7	solute carrier family 12 (potassium/chloride transporters), member 7	-0.388604	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006598	SLC12A7	solute carrier family 12 (potassium/chloride transporters), member 7	-0.338884	Inlier
siRNA Disorazole DMSO Run3	NM_006598	SLC12A7	solute carrier family 12 (potassium/chloride transporters), member 7	0.338884	Inlier
siRNA Disorazole DMSO Run1	NM_006598	SLC12A7	solute carrier family 12 (potassium/chloride transporters), member 7	0.688413	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006598	SLC12A7	solute carrier family 12 (potassium/chloride transporters), member 7	1.112344	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_006598	SLC12A7	solute carrier family 12 (potassium/chloride transporters), member 7	1.260312	Inlier
siRNA-Temozolomide Run3-DMSO	NM_024628	SLC12A8	solute carrier family 12 (potassium/chloride transporters), member 8	-1.600537	Inlier
siRNA-Temozolomide Run1-DMSO	NM_024628	SLC12A8	solute carrier family 12 (potassium/chloride transporters), member 8	-0.774585	Inlier
siRNA Disorazole DMSO Run1	NM_024628	SLC12A8	solute carrier family 12 (potassium/chloride transporters), member 8	-0.212138	Inlier
siRNA-Temozolomide Run2-DMSO	NM_024628	SLC12A8	solute carrier family 12 (potassium/chloride transporters), member 8	-0.017634	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0246 28	SLC12A8	solute carrier family 12 (potassium/chloride transporters), member 8	0.017634	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0246 28	SLC12A8	solute carrier family 12 (potassium/chloride transporters), member 8	0.579182	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0246 28	SLC12A8	solute carrier family 12 (potassium/chloride transporters), member 8	0.769818	Inlier
siRNA Disorazole DMSO Run2	NM_0246 28	SLC12A8	solute carrier family 12 (potassium/chloride transporters), member 8	1.043159	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0202 46	SLC12A9	solute carrier family 12 (potassium/chloride transporters), member 9	-0.722378	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_020246	SLC12A9	solute carrier family 12 (potassium/chloride transporters), member 9	-0.658553	Inlier
siRNA-Temozolomide Run1-DMSO	NM_020246	SLC12A9	solute carrier family 12 (potassium/chloride transporters), member 9	-0.065038	Inlier
siRNA Disorazole DMSO Run3	NM_020246	SLC12A9	solute carrier family 12 (potassium/chloride transporters), member 9	-0.014638	Inlier
siRNA Disorazole DMSO Run2	NM_020246	SLC12A9	solute carrier family 12 (potassium/chloride transporters), member 9	0.014638	Inlier
siRNA Disorazole DMSO Run1	NM_020246	SLC12A9	solute carrier family 12 (potassium/chloride transporters), member 9	0.690447	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_020246	SLC12A9	solute carrier family 12 (potassium/chloride transporters), member 9	1.008788	Inlier
siRNA-Vinblastine Run1-DMSO	NM_020246	SLC12A9	solute carrier family 12 (potassium/chloride transporters), member 9	1.256206	Inlier
siRNA-Temozolomide Run3-DMSO	NM_022444	SLC13A1	solute carrier family 13 (sodium/sulfate symporters), member 1	-4.096587	Outlier
siRNA-Temozolomide Run1-DMSO	NM_022444	SLC13A1	solute carrier family 13 (sodium/sulfate symporters), member 1	-3.625511	Outlier
siRNA-Temozolomide Run2-DMSO	NM_022444	SLC13A1	solute carrier family 13 (sodium/sulfate symporters), member 1	-0.701098	Inlier
siRNA Disorazole DMSO Run1	NM_022444	SLC13A1	solute carrier family 13 (sodium/sulfate symporters), member 1	-0.161989	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0224 44	SLC13A1	solute carrier family 13 (sodium/sulfate symporter s), member 1	0.161988	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0224 44	SLC13A1	solute carrier family 13 (sodium/sulfate symporter s), member 1	0.201004	Inlier
siRNA Disorazole DMSO Run3	NM_0224 44	SLC13A1	solute carrier family 13 (sodium/sulfate symporter s), member 1	0.647902	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0224 44	SLC13A1	solute carrier family 13 (sodium/sulfate symporter s), member 1	2.058063	Inlier
siRNA Disorazole DMSO Run2	NM_0039 84	SLC13A2	solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 2	-0.784189	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_003984	SLC13A2	solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 2	-0.677299	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003984	SLC13A2	solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 2	-0.515921	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003984	SLC13A2	solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 2	-0.307004	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003984	SLC13A2	solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 2	0.307004	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0039 84	SLC13A2	solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 2	0.671701	Inlier
siRNA Disorazole DMSO Run3	NM_0039 84	SLC13A2	solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 2	0.899647	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0039 84	SLC13A2	solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 2	1.392354	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 11554	SLC13A3	solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 3	-0.693804	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_001011554	SLC13A3	solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 3	-0.655196	Inlier
------------------------------	--------------	---------	---	-----------	--------

siRNA-Temozolomide Run2-DMSO	NM_001011554	SLC13A3	solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 3	-0.608659	Inlier
------------------------------	--------------	---------	---	-----------	--------

siRNA Disorazole DMSO Run3	NM_001011554	SLC13A3	solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 3	-0.029452	Inlier
----------------------------	--------------	---------	---	-----------	--------

siRNA Disorazole DMSO Run1	NM_001011554	SLC13A3	solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 3	0.029452	Inlier
----------------------------	--------------	---------	---	----------	--------

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_001011554	SLC13A3	solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 3	1.261289	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001011554	SLC13A3	solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 3	1.316707	Inlier
siRNA Disorazole DMSO Run2	NM_001011554	SLC13A3	solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 3	1.379222	Inlier
siRNA-Temozolomide Run3-DMSO	NM_012450	SLC13A4	solute carrier family 13 (sodium/sulfate symporter), member 4	-0.82981	Inlier
siRNA-Temozolomide Run2-DMSO	NM_012450	SLC13A4	solute carrier family 13 (sodium/sulfate symporter), member 4	-0.764143	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Name	Gene Description	Correlation	Outlier
siRNA-Temozolomide Run1-DMSO	NM_0124	50	SLC13A4	solute carrier family 13 (sodium/ulfate symporters), member 4	-0.38078	Inlier
siRNA Disorazole DMSO Run3	NM_0124	50	SLC13A4	solute carrier family 13 (sodium/ulfate symporters), member 4	-0.027367	Inlier
siRNA Disorazole DMSO Run2	NM_0124	50	SLC13A4	solute carrier family 13 (sodium/ulfate symporters), member 4	0.027367	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0124	50	SLC13A4	solute carrier family 13 (sodium/ulfate symporters), member 4	0.598915	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0124	50	SLC13A4	solute carrier family 13 (sodium/ulfate symporters), member 4	0.750085	Inlier
siRNA Disorazole DMSO Run1	NM_0124	50	SLC13A4	solute carrier family 13 (sodium/ulfate symporters), member 4	0.958463	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA	Drug	Run	Concentration	Gene	Log2FC	Category
siRNA Disorazole	DMSO	Run3	50	SLC13A5	-0.831713	Inlier
siRNA-Temozolomide	DMSO	Run3	50	SLC13A5	-0.679494	Inlier
siRNA Disorazole	DMSO	Run2	50	SLC13A5	-0.669506	Inlier
siRNA-Temozolomide	DMSO	Run1	50	SLC13A5	-0.13995	Inlier
siRNA Disorazole	DMSO	Run1	50	SLC13A5	0.13995	Inlier

solute carrier family 13 (sodium-dependent citrate transporter), member 5

solute carrier family 13 (sodium-dependent citrate transporter), member 5

solute carrier family 13 (sodium-dependent citrate transporter), member 5

solute carrier family 13 (sodium-dependent citrate transporter), member 5

solute carrier family 13 (sodium-dependent citrate transporter), member 5

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_1775 50	SLC13A5	solute carrier family 13 (sodium-dependent citrate transporter), member 5	0.156642	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1775 50	SLC13A5	solute carrier family 13 (sodium-dependent citrate transporter), member 5	0.77937	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1775 50	SLC13A5	solute carrier family 13 (sodium-dependent citrate transporter), member 5	1.211836	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0158 65	SLC14A1	solute carrier family 14 (urea transporter), member 1 (Kidd blood group)	-3.373928	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0158 65	SLC14A1	solute carrier family 14 (urea transporter), member 1 (Kidd blood group)	-2.740023	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_015865	SLC14A1	solute carrier family 14 (urea transporter), member 1 (Kidd blood group)	-1.808308	Inlier
siRNA Disorazole DMSO Run1	NM_015865	SLC14A1	solute carrier family 14 (urea transporter), member 1 (Kidd blood group)	-0.050349	Inlier
siRNA-Vinblastine Run2-DMSO	NM_015865	SLC14A1	solute carrier family 14 (urea transporter), member 1 (Kidd blood group)	0.050349	Inlier
siRNA Disorazole DMSO Run3	NM_015865	SLC14A1	solute carrier family 14 (urea transporter), member 1 (Kidd blood group)	0.170804	Inlier
siRNA-Vinblastine Run1-DMSO	NM_015865	SLC14A1	solute carrier family 14 (urea transporter), member 1 (Kidd blood group)	0.534657	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0158 65	SLC14A1	solute carrier family 14 (urea transporter), member 1 (Kidd blood group)	0.814343	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0071 63	SLC14A2	solute carrier family 14 (urea transporter), member 2	-1.248524	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0071 63	SLC14A2	solute carrier family 14 (urea transporter), member 2	-0.700407	Inlier
siRNA Disorazole DMSO Run2	NM_0071 63	SLC14A2	solute carrier family 14 (urea transporter), member 2	-0.066229	Inlier
siRNA Disorazole DMSO Run3	NM_0071 63	SLC14A2	solute carrier family 14 (urea transporter), member 2	-0.025979	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0071 63	SLC14A2	solute carrier family 14 (urea transporter), member 2	0.025979	Inlier
siRNA Disorazole DMSO Run1	NM_0071 63	SLC14A2	solute carrier family 14 (urea transporter), member 2	0.648593	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_007163	SLC14A2	2	0.824927	Inlier
			solute carrier family 14 (urea transporter), member 2		
siRNA-Vinblastine Run1-DMSO	NM_007163	SLC14A2	2	1.262903	Inlier
			solute carrier family 14 (urea transporter), member 2		
siRNA-Temozolomide Run1-DMSO	NM_005073	SLC15A1	1	-2.068066	Inlier
			solute carrier family 15 (oligopeptide transporter), member 1		
siRNA-Temozolomide Run3-DMSO	NM_005073	SLC15A1	1	-1.662153	Inlier
			solute carrier family 15 (oligopeptide transporter), member 1		
siRNA-Temozolomide Run2-DMSO	NM_005073	SLC15A1	1	-0.772061	Inlier
			solute carrier family 15 (oligopeptide transporter), member 1		
siRNA Disorazole DMSO Run1	NM_005073	SLC15A1	1	-0.061675	Inlier
			solute carrier family 15 (oligopeptide transporter), member 1		

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0050 73	SLC15A1	solute carrier family 15 (oligopeptide transporter), member 1	0.061674	Inlier
siRNA Disorazole DMSO Run2	NM_0050 73	SLC15A1	solute carrier family 15 (oligopeptide transporter), member 1	0.231382	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0050 73	SLC15A1	solute carrier family 15 (oligopeptide transporter), member 1	0.576939	Inlier
siRNA Disorazole DMSO Run3	NM_0050 73	SLC15A1	solute carrier family 15 (H ⁺ /peptide transporter), member 1	1.011759	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0210 82	SLC15A2	solute carrier family 15 (H ⁺ /peptide transporter), member 2	-0.716602	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0210 82	SLC15A2	solute carrier family 15 (H ⁺ /peptide transporter), member 2	-0.632398	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Gene ID	Gene Name	Log2FC	Outlier
siRNA-Temozolomide Run1-DMSO	SLC15A2	NM_021082	solute carrier family 15 (H+/peptide transporter), member 2	-0.564198	Inlier
siRNA Disorazole DMSO Run2	SLC15A2	NM_021082	solute carrier family 15 (H+/peptide transporter), member 2	-0.111089	Inlier
siRNA Disorazole DMSO Run3	SLC15A2	NM_021082	solute carrier family 15 (H+/peptide transporter), member 2	0.111089	Inlier
siRNA Disorazole DMSO Run1	SLC15A2	NM_021082	solute carrier family 15 (H+/peptide transporter), member 2	0.995793	Inlier
siRNA-Vinblastine Run2-DMSO	SLC15A2	NM_021082	solute carrier family 15 (H+/peptide transporter), member 2	1.654493	Inlier
siRNA-Vinblastine Run1-DMSO	SLC15A2	NM_021082	solute carrier family 15 (H+/peptide transporter), member 2	2.23456	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_003051	SLC16A1	solute carrier family 16 (monocarboxylic acid transporters), member 1	-0.870447	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003051	SLC16A1	solute carrier family 16 (monocarboxylic acid transporters), member 1	-0.625788	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003051	SLC16A1	solute carrier family 16 (monocarboxylic acid transporters), member 1	-0.320726	Inlier
siRNA Disorazole DMSO Run3	NM_003051	SLC16A1	solute carrier family 16 (monocarboxylic acid transporters), member 1	-0.168224	Inlier
siRNA Disorazole DMSO Run2	NM_003051	SLC16A1	solute carrier family 16 (monocarboxylic acid transporters), member 1	0.168224	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0030 51	SLC16A1	solute carrier family 16 (monocarboxylic acid transporters), member 1	0.723212	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0030 51	SLC16A1	solute carrier family 16 (monocarboxylic acid transporters), member 1	2.074714	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0030 51	SLC16A1	solute carrier family 16 (monocarboxylic acid transporters), member 1	2.434165	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0185 93	SLC16A10	solute carrier family 16 (monocarboxylic acid transporters), member 10	-0.938234	Inlier
siRNA Disorazole DMSO Run3	NM_0185 93	SLC16A10	solute carrier family 16 (monocarboxylic acid transporters), member 10	-0.564259	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_018593	SLC16A10	10	solute carrier family 16 (monocarboxylic acid transporters), member 10	-0.404403	Inlier
siRNA-Temozolomide Run1-DMSO	NM_018593	SLC16A10	10	solute carrier family 16 (monocarboxylic acid transporters), member 10	-0.017878	Inlier
siRNA Disorazole DMSO Run2	NM_018593	SLC16A10	10	solute carrier family 16 (monocarboxylic acid transporters), member 10	0.017878	Inlier
siRNA Disorazole DMSO Run1	NM_018593	SLC16A10	10	solute carrier family 16 (monocarboxylic acid transporters), member 10	0.784741	Inlier
siRNA-Vinblastine Run2-DMSO	NM_018593	SLC16A10	10	solute carrier family 16 (monocarboxylic acid transporters), member 10	1.349271	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Gene ID	Gene Name	Gene Description	Score	Outlier
siRNA-Vinblastine Run1-DMSO	NM_018593	SLC16A10	10	solute carrier family 16 (monocarboxylic acid transporters), member 10	1.932068	Inlier
siRNA-Temozolomide Run1-DMSO	NM_153357	SLC16A11	11	solute carrier family 16 (monocarboxylic acid transporters), member 11	-1.295004	Inlier
siRNA-Temozolomide Run3-DMSO	NM_153357	SLC16A11	11	solute carrier family 16 (monocarboxylic acid transporters), member 11	-0.802717	Inlier
siRNA-Temozolomide Run2-DMSO	NM_153357	SLC16A11	11	solute carrier family 16 (monocarboxylic acid transporters), member 11	-0.546283	Inlier
siRNA Disorazole DMSO Run1	NM_153357	SLC16A11	11	solute carrier family 16 (monocarboxylic acid transporters), member 11	-0.303706	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_1533 57	SLC16A11	11	0.303706	Inlier	solute carrier family 16 (monocarboxylic acid transporters), member
siRNA-Vinblastine Run1-DMSO	NM_1533 57	SLC16A11	11	0.540467	Inlier	solute carrier family 16 (monocarboxylic acid transporters), member
siRNA-Vinblastine Run2-DMSO	NM_1533 57	SLC16A11	11	0.957736	Inlier	solute carrier family 16 (monocarboxylic acid transporters), member
siRNA Disorazole DMSO Run2	NM_1533 57	SLC16A11	11	0.985707	Inlier	solute carrier family 16 (monocarboxylic acid transporters), member
siRNA-Temozolomide Run3-DMSO	NM_0065 17	SLC16A2	member 2	-1.740259	Inlier	solute carrier family 16 (monocarboxylic acid transporters), member 2

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0065 17	SLC16A2	solute carrier family 16 (monocarboxylic acid transporters), member 2	-1.31877	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0065 17	SLC16A2	solute carrier family 16 (monocarboxylic acid transporters), member 2	-0.602819	Inlier
siRNA Disorazole DMSO Run3	NM_0065 17	SLC16A2	solute carrier family 16 (monocarboxylic acid transporters), member 2	-0.07519	Inlier
siRNA Disorazole DMSO Run2	NM_0065 17	SLC16A2	solute carrier family 16 (monocarboxylic acid transporters), member 2	0.075189	Inlier
siRNA Disorazole DMSO Run1	NM_0065 17	SLC16A2	solute carrier family 16 (monocarboxylic acid transporters), member 2	0.078356	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_006517	SLC16A2	solute carrier family 16 (monocarboxylic acid transporters), member 2	0.746181	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006517	SLC16A2	solute carrier family 16 (monocarboxylic acid transporters), member 2	1.102228	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004207	SLC16A3	solute carrier family 16 (monocarboxylic acid transporters), member 3	-0.797989	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004207	SLC16A3	solute carrier family 16 (monocarboxylic acid transporters), member 3	-0.551011	Inlier
siRNA Disorazole DMSO Run2	NM_004207	SLC16A3	solute carrier family 16 (monocarboxylic acid transporters), member 3	-0.320217	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_004207	SLC16A3	solute carrier family 16 (monocarboxylic acid transporters), member 3	-0.282385	Inlier
siRNA Disorazole DMSO Run1	NM_004207	SLC16A3	solute carrier family 16 (monocarboxylic acid transporters), member 3	0.282385	Inlier
siRNA Disorazole DMSO Run3	NM_004207	SLC16A3	solute carrier family 16 (monocarboxylic acid transporters), member 3	0.847016	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004207	SLC16A3	solute carrier family 16 (monocarboxylic acid transporters), member 3	0.9067	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004207	SLC16A3	solute carrier family 16 (monocarboxylic acid transporters), member 3	1.415257	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_004696	SLC16A4	solute carrier family 16 (monocarboxylic acid transporters), member 4	-3.742473	Outlier
siRNA-Temozolomide Run2-DMSO	NM_004696	SLC16A4	solute carrier family 16 (monocarboxylic acid transporters), member 4	-2.275149	Inlier
siRNA Disorazole DMSO Run1	NM_004696	SLC16A4	solute carrier family 16 (monocarboxylic acid transporters), member 4	-1.187575	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004696	SLC16A4	solute carrier family 16 (monocarboxylic acid transporters), member 4	-0.100064	Inlier
siRNA Disorazole DMSO Run2	NM_004696	SLC16A4	solute carrier family 16 (monocarboxylic acid transporters), member 4	0.100064	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0046 96	SLC16A4	solute carrier family 16 (monocarboxylic acid transporters), member 4	0.197001	Inlier
siRNA Disorazole DMSO Run3	NM_0046 96	SLC16A4	solute carrier family 16 (monocarboxylic acid transporters), member 4	0.402914	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0046 96	SLC16A4	solute carrier family 16 (monocarboxylic acid transporters), member 4	0.946086	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0046 95	SLC16A5	solute carrier family 16 (monocarboxylic acid transporters), member 5	-0.901546	Inlier
siRNA Disorazole DMSO Run2	NM_0046 95	SLC16A5	solute carrier family 16 (monocarboxylic acid transporters), member 5	-0.447454	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_004695	SLC16A5	solute carrier family 16 (monocarboxylic acid transporters), member 5	-0.057736	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004695	SLC16A5	solute carrier family 16 (monocarboxylic acid transporters), member 5	-0.038194	Inlier
siRNA Disorazole DMSO Run1	NM_004695	SLC16A5	solute carrier family 16 (monocarboxylic acid transporters), member 5	0.038195	Inlier
siRNA Disorazole DMSO Run3	NM_004695	SLC16A5	solute carrier family 16 (monocarboxylic acid transporters), member 5	1.080918	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004695	SLC16A5	solute carrier family 16 (monocarboxylic acid transporters), member 5	1.144924	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_004695	SLC16A5	solute carrier family 16 (monocarboxylic acid transporters), member 5	1.5601	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004694	SLC16A6	solute carrier family 16 (monocarboxylic acid transporters), member 6	-1.672028	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004694	SLC16A6	solute carrier family 16 (monocarboxylic acid transporters), member 6	-0.863826	Inlier
siRNA Disorazole DMSO Run2	NM_004694	SLC16A6	solute carrier family 16 (monocarboxylic acid transporters), member 6	-0.485174	Inlier
siRNA Disorazole DMSO Run3	NM_004694	SLC16A6	solute carrier family 16 (monocarboxylic acid transporters), member 6	-0.019051	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0046 94	SLC16A6	solute carrier family 16 (monocarboxylic acid transporters), member 6	0.019051	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0046 94	SLC16A6	solute carrier family 16 (monocarboxylic acid transporters), member 6	0.140639	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0046 94	SLC16A6	solute carrier family 16 (monocarboxylic acid transporters), member 6	1.073849	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0046 94	SLC16A6	solute carrier family 16 (monocarboxylic acid transporters), member 6	1.096973	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0047 31	SLC16A7	solute carrier family 16 (monocarboxylic acid transporters), member 7	-1.08984	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0047 31	SLC16A7	solute carrier family 16 (monocarboxylic acid transporters), member 7	-0.948572	Inlier
siRNA Disorazole DMSO Run1	NM_0047 31	SLC16A7	solute carrier family 16 (monocarboxylic acid transporters), member 7	-0.607469	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0047 31	SLC16A7	solute carrier family 16 (monocarboxylic acid transporters), member 7	-0.093363	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0047 31	SLC16A7	solute carrier family 16 (monocarboxylic acid transporters), member 7	0.093362	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0047 31	SLC16A7	solute carrier family 16 (monocarboxylic acid transporters), member 7	0.583885	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0047 31	SLC16A7	solute carrier family 16 (monocarboxylic acid transporters), member 7	0.741531	Inlier
siRNA Disorazole DMSO Run2	NM_0047 31	SLC16A7	solute carrier family 16 (monocarboxylic acid transporters), member 7	0.78268	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0133 56	SLC16A8	solute carrier 16 (monocarboxylic acid transporters), member 8	-2.488963	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0133 56	SLC16A8	solute carrier 16 (monocarboxylic acid transporters), member 8	-0.638473	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0133 56	SLC16A8	solute carrier 16 (monocarboxylic acid transporters), member 8	-0.536842	Inlier
siRNA Disorazole DMSO Run2	NM_0133 56	SLC16A8	solute carrier 16 (monocarboxylic acid transporters), member 8	-0.194013	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0133 56	SLC16A8	solute carrier 16 (monocarboxylic acid transporters), member 8	0.194014	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0133 56	SLC16A8	solute carrier 16 (monocarboxylic acid transporters), member 8	0.710527	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0133 56	SLC16A8	solute carrier 16 (monocarboxylic acid transporters), member 8	1.160182	Inlier
siRNA Disorazole DMSO Run3	NM_0133 56	SLC16A8	solute carrier 16 (monocarboxylic acid transporters), member 8	1.554371	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0050 74	SLC17A1	solute carrier family 17 (sodium phosphate), member 1	-1.481305	Inlier
siRNA Disorazole DMSO Run3	NM_0050 74	SLC17A1	solute carrier family 17 (sodium phosphate), member 1	-0.772083	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_005074	SLC17A1	1	-0.548656	Inlier	solute carrier family 17 (sodium phosphate), member 1
siRNA-Temozolomide Run1-DMSO	NM_005074	SLC17A1	1	-0.046457	Inlier	solute carrier family 17 (sodium phosphate), member 1
siRNA Disorazole DMSO Run1	NM_005074	SLC17A1	1	0.046457	Inlier	solute carrier family 17 (sodium phosphate), member 1
siRNA-Vinblastine Run2-DMSO	NM_005074	SLC17A1	1	0.576917	Inlier	solute carrier family 17 (sodium phosphate), member 1
siRNA Disorazole DMSO Run2	NM_005074	SLC17A1	1	1.070655	Inlier	solute carrier family 17 (sodium phosphate), member 1
siRNA-Vinblastine Run1-DMSO	NM_005074	SLC17A1	1	1.165498	Inlier	solute carrier family 17 (sodium phosphate), member 1
siRNA-Temozolomide Run3-DMSO	NM_005835	SLC17A2	2	-1.307169	Inlier	solute carrier family 17 (sodium phosphate), member 2

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Name	Gene Description	Log Fold Change	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_0058	35	SLC17A2	solute carrier family 17 (sodium phosphate), member 2	-0.632376	Inlier
siRNA Disorazole DMSO Run3	NM_0058	35	SLC17A2	solute carrier family 17 (sodium phosphate), member 2	-0.621899	Inlier
siRNA Disorazole DMSO Run2	NM_0058	35	SLC17A2	solute carrier family 17 (sodium phosphate), member 2	-0.172948	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0058	35	SLC17A2	solute carrier family 17 (sodium phosphate), member 2	0.172947	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0058	35	SLC17A2	solute carrier family 17 (sodium phosphate), member 2	0.716624	Inlier
siRNA Disorazole DMSO Run1	NM_0058	35	SLC17A2	solute carrier family 17 (sodium phosphate), member 2	0.766457	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0058	35	SLC17A2	solute carrier family 17 (sodium phosphate), member 2	1.316988	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Gene ID	Gene Name	Log Fold Change	Category
siRNA-Temozolomide Run3-DMSO	NM_006632	SLC17A3	solute carrier family 17 (sodium phosphate), member 3	-0.814192	Inlier
siRNA Disorazole DMSO Run2	NM_006632	SLC17A3	solute carrier family 17 (sodium phosphate), member 3	-0.534808	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006632	SLC17A3	solute carrier family 17 (sodium phosphate), member 3	-0.430658	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006632	SLC17A3	solute carrier family 17 (sodium phosphate), member 3	-0.31261	Inlier
siRNA Disorazole DMSO Run1	NM_006632	SLC17A3	solute carrier family 17 (sodium phosphate), member 3	0.31261	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006632	SLC17A3	solute carrier family 17 (sodium phosphate), member 3	0.872571	Inlier
siRNA Disorazole DMSO Run3	NM_006632	SLC17A3	solute carrier family 17 (sodium phosphate), member 3	1.126758	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Family	Member	Value	Outlier
siRNA-Vinblastine Run2-DMSO	NM_006632	SLC17A3	solute carrier family 17 (sodium phosphate), member	3	1.270758	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005495	SLC17A4	solute carrier family 17 (sodium phosphate), member	4	-1.446185	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005495	SLC17A4	solute carrier family 17 (sodium phosphate), member	4	-1.222108	Inlier
siRNA Disorazole DMSO Run3	NM_005495	SLC17A4	solute carrier family 17 (sodium phosphate), member	4	-0.835013	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005495	SLC17A4	solute carrier family 17 (sodium phosphate), member	4	-0.308697	Inlier
siRNA Disorazole DMSO Run1	NM_005495	SLC17A4	solute carrier family 17 (sodium phosphate), member	4	0.308697	Inlier
siRNA Disorazole DMSO Run2	NM_005495	SLC17A4	solute carrier family 17 (sodium phosphate), member	4	0.332794	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Family	Score	Category
siRNA-Vinblastine Run2-DMSO	NM_005495	SLC17A4	solute carrier family 17 (sodium phosphate), member 4	0.530873	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005495	SLC17A4	solute carrier family 17 (sodium phosphate), member 4	0.818127	Inlier
siRNA-Temozolomide Run3-DMSO	NM_012434	SLC17A5	solute carrier family 17 (anion/sugar transporter), member 5	-3.930262	Outlier
siRNA-Temozolomide Run1-DMSO	NM_012434	SLC17A5	solute carrier family 17 (anion/sugar transporter), member 5	-1.313176	Inlier
siRNA-Temozolomide Run2-DMSO	NM_012434	SLC17A5	solute carrier family 17 (anion/sugar transporter), member 5	-0.261804	Inlier
siRNA Disorazole DMSO Run2	NM_012434	SLC17A5	solute carrier family 17 (anion/sugar transporter), member 5	-0.026005	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0124 34	SLC17A5	solute carrier family 17 (anion/sugar transporter), member 5	0.026004	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0124 34	SLC17A5	solute carrier family 17 (anion/sugar transporter), member 5	0.478577	Inlier
siRNA Disorazole DMSO Run3	NM_0124 34	SLC17A5	solute carrier family 17 (anion/sugar transporter), member 5	0.870423	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0124 34	SLC17A5	solute carrier family 17 (anion/sugar transporter), member 5	1.146323	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0203 46	SLC17A6	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 6	-3.179699	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0203 46	SLC17A6	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 6	-0.777737	Inlier
------------------------------	---------------	---------	---	-----------	--------

siRNA-Temozolomide Run2-DMSO	NM_0203 46	SLC17A6	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 6	-0.571263	Inlier
------------------------------	---------------	---------	---	-----------	--------

siRNA Disorazole DMSO Run3	NM_0203 46	SLC17A6	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 6	-0.225127	Inlier
----------------------------	---------------	---------	---	-----------	--------

siRNA Disorazole DMSO Run2	NM_0203 46	SLC17A6	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 6	0.225127	Inlier
----------------------------	---------------	---------	---	----------	--------

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0203 46	SLC17A6	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 6	0.266661	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0203 46	SLC17A6	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 6	0.796925	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0203 46	SLC17A6	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 6	1.807353	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0203 09	SLC17A7	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 7	-2.934281	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0203 09	SLC17A7	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 7	-1.890394	Inlier
siRNA Disorazole DMSO Run3	NM_0203 09	SLC17A7	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 7	-0.384751	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0203 09	SLC17A7	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 7	-0.070398	Inlier
siRNA Disorazole DMSO Run1	NM_0203 09	SLC17A7	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 7	0.070397	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_020309	SLC17A7	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 7	0.158087	Inlier
siRNA-Vinblastine Run1-DMSO	NM_020309	SLC17A7	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 7	0.964249	Inlier
siRNA-Vinblastine Run2-DMSO	NM_020309	SLC17A7	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 7	1.963495	Inlier
siRNA-Temozolomide Run3-DMSO	NM_139319	SLC17A8	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 8	-1.301885	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_139319	SLC17A8	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 8	-0.769837	Inlier
siRNA Disorazole DMSO Run1	NM_139319	SLC17A8	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 8	-0.202	Inlier
siRNA Disorazole DMSO Run3	NM_139319	SLC17A8	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 8	-0.181688	Inlier
siRNA-Temozolomide Run2-DMSO	NM_139319	SLC17A8	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 8	0.181689	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_1393 19	SLC17A8	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 8	0.579163	Inlier
siRNA Disorazole DMSO Run2	NM_1393 19	SLC17A8	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 8	1.242437	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1393 19	SLC17A8	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 8	1.331753	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0030 53	SLC18A1	solute carrier family 18 (vesicular monoamine), member 1	-1.291174	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0030 53	SLC18A1	solute carrier family 18 (vesicular monoamine), member 1	-0.722404	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log Fold Change	Outlier Status
siRNA-Temozolomide Run1-DMSO	NM_003053	SLC18A1	solute carrier family 18 (vesicular monoamine), member 1	-0.21078	Inlier
siRNA Disorazole DMSO Run3	NM_003053	SLC18A1	solute carrier family 18 (vesicular monoamine), member 1	-0.047356	Inlier
siRNA Disorazole DMSO Run1	NM_003053	SLC18A1	solute carrier family 18 (vesicular monoamine), member 1	0.047356	Inlier
siRNA Disorazole DMSO Run2	NM_003053	SLC18A1	solute carrier family 18 (vesicular monoamine), member 1	0.626596	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003053	SLC18A1	solute carrier family 18 (vesicular monoamine), member 1	0.808704	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003053	SLC18A1	solute carrier family 18 (vesicular monoamine), member 1	1.239945	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003054	SLC18A2	solute carrier family 18 (vesicular monoamine), member 2	-1.701972	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Name	Log Fold Change	Outlier Status
siRNA-Temozolomide Run1-DMSO	NM_003054	SLC18A2	solute carrier family 18 (vesicular monoamine), member 2	-1.552888	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003054	SLC18A2	solute carrier family 18 (vesicular monoamine), member 2	-0.53668	Inlier
siRNA Disorazole DMSO Run1	NM_003054	SLC18A2	solute carrier family 18 (vesicular monoamine), member 2	-0.210505	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003054	SLC18A2	solute carrier family 18 (vesicular monoamine), member 2	0.210505	Inlier
siRNA Disorazole DMSO Run3	NM_003054	SLC18A2	solute carrier family 18 (vesicular monoamine), member 2	0.351238	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003054	SLC18A2	solute carrier family 18 (vesicular monoamine), member 2	0.81232	Inlier
siRNA Disorazole DMSO Run2	NM_003054	SLC18A2	solute carrier family 18 (vesicular monoamine), member 2	2.128617	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Name	Log Fold Change	Category
siRNA-Temozolomide Run3-DMSO	NM_003055	SLC18A3	solute carrier family 18 (vesicular acetylcholine), member 3	-1.552591	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003055	SLC18A3	solute carrier family 18 (vesicular acetylcholine), member 3	-0.715521	Inlier
siRNA Disorazole DMSO Run3	NM_003055	SLC18A3	solute carrier family 18 (vesicular acetylcholine), member 3	-0.633479	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003055	SLC18A3	solute carrier family 18 (vesicular acetylcholine), member 3	-0.079162	Inlier
siRNA Disorazole DMSO Run1	NM_003055	SLC18A3	solute carrier family 18 (vesicular acetylcholine), member 3	0.079161	Inlier
siRNA Disorazole DMSO Run2	NM_003055	SLC18A3	solute carrier family 18 (vesicular acetylcholine), member 3	0.627479	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003055	SLC18A3	solute carrier family 18 (vesicular acetylcholine), member 3	1.369219	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_003055	SLC18A3	solute carrier family 18 (vesicular acetylcholine), member 3	1.941871	Inlier
siRNA-Temozolomide Run3-DMSO	NM_194255	SLC19A1	solute carrier family 19 (folate transporter), member 1	-1.517096	Inlier
siRNA-Temozolomide Run1-DMSO	NM_194255	SLC19A1	solute carrier family 19 (folate transporter), member 1	-0.340147	Inlier
siRNA-Temozolomide Run2-DMSO	NM_194255	SLC19A1	solute carrier family 19 (folate transporter), member 1	-0.2373	Inlier
siRNA Disorazole DMSO Run1	NM_194255	SLC19A1	solute carrier family 19 (folate transporter), member 1	-0.219304	Inlier
siRNA-Vinblastine Run2-DMSO	NM_194255	SLC19A1	solute carrier family 19 (folate transporter), member 1	0.219303	Inlier
siRNA Disorazole DMSO Run3	NM_194255	SLC19A1	solute carrier family 19 (folate transporter), member 1	1.008853	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_1942 55	SLC19A1	1	1.28294	Inlier
			1		
siRNA Disorazole DMSO Run2	NM_1942 55	SLC19A1	1	1.446908	Inlier
			1		
siRNA-Temozolomide Run3-DMSO	NM_0069 96	SLC19A2	2	-1.405973	Inlier
			2		
siRNA Disorazole DMSO Run2	NM_0069 96	SLC19A2	2	-0.674422	Inlier
			2		
siRNA-Temozolomide Run2-DMSO	NM_0069 96	SLC19A2	2	-0.575019	Inlier
			2		
siRNA Disorazole DMSO Run3	NM_0069 96	SLC19A2	2	-0.181288	Inlier
			2		
siRNA-Temozolomide Run1-DMSO	NM_0069 96	SLC19A2	2	0.181288	Inlier
			2		

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0069 96	SLC19A2	solute carrier family 19 (thiamine transporter), member 2	0.674578	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0069 96	SLC19A2	solute carrier family 19 (thiamine transporter), member 2	0.773966	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0069 96	SLC19A2	solute carrier family 19 (thiamine transporter), member 2	0.907295	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0252 43	SLC19A3	solute carrier family 19, member 3	-3.355162	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0252 43	SLC19A3	solute carrier family 19, member 3	-1.639624	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0252 43	SLC19A3	solute carrier family 19, member 3	-0.684673	Inlier
siRNA Disorazole DMSO Run2	NM_0252 43	SLC19A3	solute carrier family 19, member 3	-0.322724	Inlier
siRNA Disorazole DMSO Run1	NM_0252 43	SLC19A3	solute carrier family 19, member 3	0.322723	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0252 43	SLC19A3	solute carrier family 19, member 3	0.428308	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0252 43	SLC19A3	solute carrier family 19, member 3	0.664327	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Condition	Run	Gene	Gene Description	Score	Inlier
siRNA Disorazole	DMSO	Run3	SLC19A3	solute carrier family 19, member 3	0.759835	Inlier
siRNA-Temozolomide	Run3-DMSO	Run3	SLC1A1	solute carrier family 1 (neuronal/epithelial high affinity glutamate transporter, system Xag), member 1	-1.26137	Inlier
siRNA Disorazole	DMSO	Run2	SLC1A1	solute carrier family 1 (neuronal/epithelial high affinity glutamate transporter, system Xag), member 1	-1.065588	Inlier
siRNA-Temozolomide	Run2-DMSO	Run2	SLC1A1	solute carrier family 1 (neuronal/epithelial high affinity glutamate transporter, system Xag), member 1	-0.106942	Inlier
siRNA-Temozolomide	Run1-DMSO	Run1	SLC1A1	solute carrier family 1 (neuronal/epithelial high affinity glutamate transporter, system Xag), member 1	-0.078154	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA	Condition	Run	Gene	Accession	Gene Name	Score	Category
siRNA Disorazole	DMSO	Run3	70	NM_0041	SLC1A1	0.078154	Inlier
					member 1		
					solute carrier family 1 (neuronal/epithelial high affinity glutamate transporter, system Xag),		
siRNA Disorazole	DMSO	Run1	70	NM_0041	SLC1A1	0.456411	Inlier
					member 1		
					solute carrier family 1 (neuronal/epithelial high affinity glutamate transporter, system Xag),		
siRNA-Vinblastine	Run2-DMSO		70	NM_0041	SLC1A1	0.892589	Inlier
					member 1		
					solute carrier family 1 (neuronal/epithelial high affinity glutamate transporter, system Xag),		
siRNA-Vinblastine	Run1-DMSO		70	NM_0041	SLC1A1	1.368119	Inlier
					member 1		
					solute carrier family 1 (neuronal/epithelial high affinity glutamate transporter, system Xag),		

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Log Fold Change	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_004171	SLC1A2	-2.553665	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004171	SLC1A2	-0.643524	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004171	SLC1A2	-0.562586	Inlier
siRNA Disorazole DMSO Run1	NM_004171	SLC1A2	-0.354295	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004171	SLC1A2	0.354295	Inlier

solute carrier family 1 (glial high affinity glutamate transporter), member 2

solute carrier family 1 (glial high affinity glutamate transporter), member 2

solute carrier family 1 (glial high affinity glutamate transporter), member 2

solute carrier family 1 (glial high affinity glutamate transporter), member 2

solute carrier family 1 (glial high affinity glutamate transporter), member 2

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Name	Gene Description	Log2 Fold Change	Classification
siRNA-Vinblastine Run2-DMSO	SLC1A2	NM_004171	SLC1A2	solute carrier family 1 (glial high affinity glutamate transporter), member 2	0.705476	Inlier
siRNA Disorazole DMSO Run3	SLC1A2	NM_004171	SLC1A2	solute carrier family 1 (glial high affinity glutamate transporter), member 2	0.753457	Inlier
siRNA Disorazole DMSO Run2	SLC1A2	NM_004171	SLC1A2	solute carrier family 1 (glial high affinity glutamate transporter), member 2	0.979202	Inlier
siRNA-Temozolomide Run3-DMSO	SLC1A3	NM_004172	SLC1A3	solute carrier family 1 (glial high affinity glutamate transporter), member 3	-4.388338	Outlier
siRNA-Temozolomide Run1-DMSO	SLC1A3	NM_004172	SLC1A3	solute carrier family 1 (glial high affinity glutamate transporter), member 3	-0.71763	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Name	Log2 Fold Change	Outlier Status
siRNA Disorazole DMSO Run2	SLC1A3	NM_004172	solute carrier family 1 (glial high affinity glutamate transporter), member 3	-0.229884	Inlier
siRNA-Temozolomide Run2-DMSO	SLC1A3	NM_004172	solute carrier family 1 (glial high affinity glutamate transporter), member 3	-0.131331	Inlier
siRNA Disorazole DMSO Run1	SLC1A3	NM_004172	solute carrier family 1 (glial high affinity glutamate transporter), member 3	0.13133	Inlier
siRNA Disorazole DMSO Run3	SLC1A3	NM_004172	solute carrier family 1 (glial high affinity glutamate transporter), member 3	0.63137	Inlier
siRNA-Vinblastine Run1-DMSO	SLC1A3	NM_004172	solute carrier family 1 (glial high affinity glutamate transporter), member 3	1.025386	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log2 Fold Change	Significance
siRNA-Vinblastine Run2-DMSO	NM_004172	SLC1A3	solute carrier family 1 (glial high affinity glutamate transporter), member 3	2.154539	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003038	SLC1A4	solute carrier family 1 (glutamate /neutral amino acid transporter), member 4	-1.44722	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003038	SLC1A4	solute carrier family 1 (glutamate /neutral amino acid transporter), member 4	-0.869057	Inlier
siRNA Disorazole DMSO Run1	NM_003038	SLC1A4	solute carrier family 1 (glutamate /neutral amino acid transporter), member 4	-0.679812	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003038	SLC1A4	solute carrier family 1 (glutamate /neutral amino acid transporter), member 4	-0.104063	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_003038	SLC1A4	solute carrier family 1 (glutamate/neutral amino acid transporter), member 4	4	0.104063	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003038	SLC1A4	solute carrier family 1 (glutamate/neutral amino acid transporter), member 4	4	0.159591	Inlier
siRNA Disorazole DMSO Run2	NM_003038	SLC1A4	solute carrier family 1 (glutamate/neutral amino acid transporter), member 4	4	0.669187	Inlier
siRNA Disorazole DMSO Run3	NM_003038	SLC1A4	solute carrier family 1 (glutamate/neutral amino acid transporter), member 4	4	0.778111	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005628	SLC1A5	solute carrier family 1 (neutral amino acid transporter), member 5	5	-1.654567	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0056 28	SLC1A5	solute carrier family 1 (neutral amino acid transporter), member 5	-0.833967	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0056 28	SLC1A5	solute carrier family 1 (neutral amino acid transporter), member 5	-0.51828	Inlier
siRNA Disorazole DMSO Run1	NM_0056 28	SLC1A5	solute carrier family 1 (neutral amino acid transporter), member 5	-0.104958	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0056 28	SLC1A5	solute carrier family 1 (neutral amino acid transporter), member 5	0.104958	Inlier
siRNA Disorazole DMSO Run3	NM_0056 28	SLC1A5	solute carrier family 1 (neutral amino acid transporter), member 5	0.363758	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_005628	SLC1A5	solute carrier family 1 (neutral amino acid transporter), member 5	0.83072	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005628	SLC1A5	solute carrier family 1 (neutral amino acid transporter), member 5	1.121192	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005071	SLC1A6	solute carrier family 1 (high affinity aspartate/ glutamate transporter), member 6	-2.445645	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005071	SLC1A6	solute carrier family 1 (high affinity aspartate/ glutamate transporter), member 6	-0.70805	Inlier
siRNA Disorazole DMSO Run2	NM_005071	SLC1A6	solute carrier family 1 (high affinity aspartate/ glutamate transporter), member 6	-0.465309	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Log2 Fold Change	Annotation
siRNA-Temozolomide Run2-DMSO	NM_005071	SLC1A6	-0.052163	Inlier solute carrier family 1 (high affinity aspartate/ glutamate transporter), member 6
siRNA Disorazole DMSO Run3	NM_005071	SLC1A6	0.052164	Inlier solute carrier family 1 (high affinity aspartate/ glutamate transporter), member 6
siRNA Disorazole DMSO Run1	NM_005071	SLC1A6	0.64095	Inlier solute carrier family 1 (high affinity aspartate/ glutamate transporter), member 6
siRNA-Vinblastine Run1-DMSO	NM_005071	SLC1A6	1.032674	Inlier solute carrier family 1 (high affinity aspartate/ glutamate transporter), member 6
siRNA-Vinblastine Run2-DMSO	NM_005071	SLC1A6	1.602695	Inlier solute carrier family 1 (high affinity aspartate/ glutamate transporter), member 6

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_006671	SLC1A7	solute carrier family 1 (glutamate transporter), member 7	-1.595512	Inlier
siRNA Disorazole DMSO Run3	NM_006671	SLC1A7	solute carrier family 1 (glutamate transporter), member 7	-0.64506	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006671	SLC1A7	solute carrier family 1 (glutamate transporter), member 7	-0.227405	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006671	SLC1A7	solute carrier family 1 (glutamate transporter), member 7	-0.048954	Inlier
siRNA Disorazole DMSO Run1	NM_006671	SLC1A7	solute carrier family 1 (glutamate transporter), member 7	0.048954	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006671	SLC1A7	solute carrier family 1 (glutamate transporter), member 7	0.70394	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0066 71	SLC1A7	solute carrier family 1 (glutamate transporter), member 7	1.028119	Inlier
siRNA Disorazole DMSO Run2	NM_0066 71	SLC1A7	solute carrier family 1 (glutamate transporter), member 7	1.187284	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0054 15	SLC20A1	solute carrier family 20 (phosphate transporter), member 1	-0.758403	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0054 15	SLC20A1	solute carrier family 20 (phosphate transporter), member 1	-0.590597	Inlier
siRNA Disorazole DMSO Run2	NM_0054 15	SLC20A1	solute carrier family 20 (phosphate transporter), member 1	-0.457783	Inlier
siRNA Disorazole DMSO Run3	NM_0054 15	SLC20A1	solute carrier family 20 (phosphate transporter), member 1	-0.300698	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Accession	Value	Outlier
siRNA-Temozolomide Run1-DMSO	SLC20A1	NM_005415	1	0.300698	Inlier
siRNA Disorazole DMSO Run1	SLC20A1	NM_005415	1	0.808064	Inlier
siRNA-Vinblastine Run1-DMSO	SLC20A1	NM_005415	1	1.323437	Inlier
siRNA-Vinblastine Run2-DMSO	SLC20A1	NM_005415	1	1.65396	Inlier
siRNA-Temozolomide Run3-DMSO	SLC20A2	NM_006749	2	-1.610586	Inlier
siRNA Disorazole DMSO Run2	SLC20A2	NM_006749	2	-1.167249	Inlier

solute carrier family 20 (phosphate transporter), member 1
solute carrier family 20 (phosphate transporter), member 1
solute carrier family 20 (phosphate transporter), member 1
solute carrier family 20 (phosphate transporter), member 1
solute carrier family 20 (phosphate transporter), member 2
solute carrier family 20 (phosphate transporter), member 2

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Gene ID	Gene Name	Gene Description	Log2FC	Category
siRNA-Temozolomide Run3-DMSO	NM_003057	SLC22A1	1	solute carrier family 22 (organic cation transporter), member 1	-3.182018	Inlier
siRNA Disorazole DMSO Run1	NM_003057	SLC22A1	1	solute carrier family 22 (organic cation transporter), member 1	-0.352965	Inlier
siRNA Disorazole DMSO Run2	NM_003057	SLC22A1	1	solute carrier family 22 (organic cation transporter), member 1	-0.290614	Inlier
siRNA Disorazole DMSO Run3	NM_003057	SLC22A1	1	solute carrier family 22 (organic cation transporter), member 1	-0.066268	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003057	SLC22A1	1	solute carrier family 22 (organic cation transporter), member 1	0.066268	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003057	SLC22A1	1	solute carrier family 22 (organic cation transporter), member 1	0.996035	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Score	Category
siRNA-Vinblastine Run1-DMSO	NM_003057	SLC22A1	solute carrier family 22 (organic cation transporter), member 1	2.070695	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003057	SLC22A1	solute carrier family 22 (organic cation transporter), member 1	4.057964	Outlier
siRNA-Temozolomide Run3-DMSO	NM_018484	SLC22A11	solute carrier family 22 (organic anion/cation transporter), member 11	-2.966729	Inlier
siRNA-Temozolomide Run1-DMSO	NM_018484	SLC22A11	solute carrier family 22 (organic anion/cation transporter), member 11	-0.611574	Inlier
siRNA Disorazole DMSO Run2	NM_018484	SLC22A11	solute carrier family 22 (organic anion/cation transporter), member 11	-0.232941	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0184 84	SLC22A11	11	-0.031074	Inlier
					solute carrier family 22 (organic anion/cation transporter), member
siRNA Disorazole DMSO Run1	NM_0184 84	SLC22A11	11	0.031073	Inlier
					solute carrier family 22 (organic anion/cation transporter), member
siRNA-Temozolomide Run2-DMSO	NM_0184 84	SLC22A11	11	0.737426	Inlier
					solute carrier family 22 (organic anion/cation transporter), member
siRNA-Vinblastine Run1-DMSO	NM_0184 84	SLC22A11	11	2.213764	Inlier
					solute carrier family 22 (organic anion/cation transporter), member
siRNA-Vinblastine Run2-DMSO	NM_0184 84	SLC22A11	11	2.786948	Inlier
					solute carrier family 22 (organic anion/cation transporter), member

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_153378	SLC22A12	12	solute carrier family 22 (organic anion/cation transporter), member 12	-3.29161	Inlier
siRNA-Temozolomide Run1-DMSO	NM_153378	SLC22A12	12	solute carrier family 22 (organic anion/cation transporter), member 12	-1.265519	Inlier
siRNA-Temozolomide Run2-DMSO	NM_153378	SLC22A12	12	solute carrier family 22 (organic anion/cation transporter), member 12	-0.652773	Inlier
siRNA Disorazole DMSO Run1	NM_153378	SLC22A12	12	solute carrier family 22 (organic anion/cation transporter), member 12	-0.009046	Inlier
siRNA Disorazole DMSO Run2	NM_153378	SLC22A12	12	solute carrier family 22 (organic anion/cation transporter), member 12	0.009046	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_1533 78	SLC22A12	12	0.55719	Inlier	solute carrier family 22 (organic anion/cation transporter), member
siRNA-Vinblastine Run2-DMSO	NM_1533 78	SLC22A12	12	0.696227	Inlier	solute carrier family 22 (organic anion/cation transporter), member
siRNA-Vinblastine Run1-DMSO	NM_1533 78	SLC22A12	12	1.088327	Inlier	solute carrier family 22 (organic anion/cation transporter), member
siRNA-Temozolomide Run3-DMSO	NM_0042 56	SLC22A13	13	-2.376445	Inlier	solute carrier family 22 (organic cation transporter), member
siRNA Disorazole DMSO Run2	NM_0042 56	SLC22A13	13	-0.691691	Inlier	solute carrier family 22 (organic cation transporter), member

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log Fold Change	Outlier Status
siRNA-Temozolomide Run1-DMSO	NM_004256	SLC22A13	solute carrier family 22 (organic cation transporter), member 13	-0.657309	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004256	SLC22A13	solute carrier family 22 (organic cation transporter), member 13	-0.401488	Inlier
siRNA Disorazole DMSO Run1	NM_004256	SLC22A13	solute carrier family 22 (organic cation transporter), member 13	0.401487	Inlier
siRNA Disorazole DMSO Run3	NM_004256	SLC22A13	solute carrier family 22 (organic cation transporter), member 13	0.616337	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004256	SLC22A13	solute carrier family 22 (organic cation transporter), member 13	0.989504	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_004256	SLC22A13	solute carrier family 22 (organic cation transporter), member 13	1.50344	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004803	SLC22A14	solute carrier family 22 (organic cation transporter), member 14	-1.644295	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004803	SLC22A14	solute carrier family 22 (organic cation transporter), member 14	-0.825133	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004803	SLC22A14	solute carrier family 22 (organic cation transporter), member 14	-0.322908	Inlier
siRNA Disorazole DMSO Run1	NM_004803	SLC22A14	solute carrier family 22 (organic cation transporter), member 14	-0.310204	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0048 03	SLC22A14	14	0.310204	Inlier	solute carrier family 22 (organic cation transporter) , member
siRNA Disorazole DMSO Run2	NM_0048 03	SLC22A14	14	0.546003	Inlier	solute carrier family 22 (organic cation transporter) , member
siRNA-Vinblastine Run1- DMSO	NM_0048 03	SLC22A14	14	0.802997	Inlier	solute carrier family 22 (organic cation transporter) , member
siRNA-Vinblastine Run2- DMSO	NM_0048 03	SLC22A14	14	1.360016	Inlier	solute carrier family 22 (organic cation transporter) , member
siRNA-Temozolomide Run3- DMSO	NM_0184 20	SLC22A15	15	-5.304485	Outlier	solute carrier family 22 (organic cation transporter) , member

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Treatment	Gene	Accession	Gene	Accession	Value	Category
siRNA-Temozolomide Run1-DMSO	NM_0184	20	SLC22A15	15	-0.554752	Inlier
						solute carrier family 22 (organic cation transporter), member
siRNA Disorazole DMSO Run1	NM_0184	20	SLC22A15	15	-0.473889	Inlier
						solute carrier family 22 (organic cation transporter), member
siRNA Disorazole DMSO Run2	NM_0184	20	SLC22A15	15	-0.403689	Inlier
						solute carrier family 22 (organic cation transporter), member
siRNA-Temozolomide Run2-DMSO	NM_0184	20	SLC22A15	15	0.403688	Inlier
						solute carrier family 22 (organic cation transporter), member
siRNA Disorazole DMSO Run3	NM_0184	20	SLC22A15	15	0.794248	Inlier
						solute carrier family 22 (organic cation transporter), member

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Accession	Score	Category
siRNA-Vinblastine Run1-DMSO	NM_018420	SLC22A15	15	2.395957	Inlier
					solute carrier family 22 (organic cation transporter), member
siRNA-Vinblastine Run2-DMSO	NM_018420	SLC22A15	15	3.227816	Inlier
					solute carrier family 22 (organic cation transporter), member
siRNA-Temozolomide Run3-DMSO	NM_033125	SLC22A16	16	-2.108515	Inlier
					solute carrier family 22 (organic cation transporter), member
siRNA Disorazole DMSO Run2	NM_033125	SLC22A16	16	-1.062299	Inlier
					solute carrier family 22 (organic cation transporter), member
siRNA-Temozolomide Run1-DMSO	NM_033125	SLC22A16	16	-0.60483	Inlier
					solute carrier family 22 (organic cation transporter), member

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein ID	Protein Name	Value	Category
siRNA-Temozolomide Run2-DMSO	NM_033125	SLC22A16	16	solute carrier family 22 (organic cation transporter), member 16	-0.190987	Inlier
siRNA Disorazole DMSO Run1	NM_033125	SLC22A16	16	solute carrier family 22 (organic cation transporter), member 16	0.190986	Inlier
siRNA Disorazole DMSO Run3	NM_033125	SLC22A16	16	solute carrier family 22 (organic cation transporter), member 16	0.195154	Inlier
siRNA-Vinblastine Run1-DMSO	NM_033125	SLC22A16	16	solute carrier family 22 (organic cation transporter), member 16	0.74417	Inlier
siRNA-Vinblastine Run2-DMSO	NM_033125	SLC22A16	16	solute carrier family 22 (organic cation transporter), member 16	1.478761	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log Fold Change	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_020372	SLC22A17	solute carrier family 22 (organic cation transporter), member 17	-1.764873	Inlier
siRNA-Temozolomide Run2-DMSO	NM_020372	SLC22A17	solute carrier family 22 (organic cation transporter), member 17	-0.722655	Inlier
siRNA Disorazole DMSO Run3	NM_020372	SLC22A17	solute carrier family 22 (organic cation transporter), member 17	-0.626346	Inlier
siRNA Disorazole DMSO Run1	NM_020372	SLC22A17	solute carrier family 22 (organic cation transporter), member 17	-0.007179	Inlier
siRNA-Temozolomide Run1-DMSO	NM_020372	SLC22A17	solute carrier family 22 (organic cation transporter), member 17	0.007179	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA	Gene	Gene ID	Gene Description	Value	Outlier
siRNA Disorazole DMSO Run2	NM_0203	72	SLC22A17 17	0.441914	Inlier
			solute carrier family 22 (organic cation transporter), member		
siRNA-Vinblastine Run2-DMSO	NM_0203	72	SLC22A17 17	1.100846	Inlier
			solute carrier family 22 (organic cation transporter), member		
siRNA-Vinblastine Run1-DMSO	NM_0203	72	SLC22A17 17	1.125635	Inlier
			solute carrier family 22 (organic cation transporter), member		
siRNA-Temozolomide Run3-DMSO	NM_1832	33	SLC22A18 18	-2.757129	Inlier
			solute carrier family 22 (organic cation transporter), member		
siRNA Disorazole DMSO Run3	NM_1832	33	SLC22A18 18	-0.606918	Inlier
			solute carrier family 22 (organic cation transporter), member		

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Value	Category
siRNA-Temozolomide Run1-DMSO	NM_183233	SLC22A18	solute carrier family 22 (organic cation transporter), member 18	-0.434286	Inlier
siRNA Disorazole DMSO Run2	NM_183233	SLC22A18	solute carrier family 22 (organic cation transporter), member 18	-0.144821	Inlier
siRNA Disorazole DMSO Run1	NM_183233	SLC22A18	solute carrier family 22 (organic cation transporter), member 18	0.144821	Inlier
siRNA-Temozolomide Run2-DMSO	NM_183233	SLC22A18	solute carrier family 22 (organic cation transporter), member 18	0.742082	Inlier
siRNA-Vinblastine Run1-DMSO	NM_183233	SLC22A18	solute carrier family 22 (organic cation transporter), member 18	1.166346	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_183233	SLC22A18	solute carrier family 22 (organic cation transporter), member 18	1.348274	Inlier
siRNA-Temozolomide Run3-DMSO	NM_007105	SLC22A1L	solute carrier family 22 (organic cation transporter), member 1-like antisense	-0.959912	Inlier
siRNA Disorazole DMSO Run3	NM_007105	SLC22A1L	solute carrier family 22 (organic cation transporter), member 1-like antisense	-0.696341	Inlier
siRNA Disorazole DMSO Run2	NM_007105	SLC22A1L	solute carrier family 22 (organic cation transporter), member 1-like antisense	-0.652659	Inlier
siRNA-Temozolomide Run2-DMSO	NM_007105	SLC22A1L	solute carrier family 22 (organic cation transporter), member 1-like antisense	-0.286618	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_007105	SLC22A1L	S	solute carrier family 22 (organic cation transporter), member 1-like antisense	0.286617	Inlier
siRNA Disorazole DMSO Run1	NM_007105	SLC22A1L	S	solute carrier family 22 (organic cation transporter), member 1-like antisense	0.456451	Inlier
siRNA-Vinblastine Run2-DMSO	NM_007105	SLC22A1L	S	solute carrier family 22 (organic cation transporter), member 1-like antisense	2.158733	Inlier
siRNA-Vinblastine Run1-DMSO	NM_007105	SLC22A1L	S	solute carrier family 22 (organic cation transporter), member 1-like antisense	2.402573	Inlier
siRNA Disorazole DMSO Run2	NM_153191	SLC22A2	2	solute carrier family 22 (organic cation transporter), member 2	-1.516717	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	siRNA	siRNA	siRNA	siRNA	siRNA	siRNA	siRNA	siRNA	siRNA
siRNA-Temozolomide Run3-DMSO	NM_1531 91	SLC22A2	2	-1.449687	Inlier	solute carrier family 22 (organic cation transporter)	, member		
siRNA Disorazole DMSO Run3	NM_1531 91	SLC22A2	2	-0.351309	Inlier	solute carrier family 22 (organic cation transporter)	, member		
siRNA-Temozolomide Run1-DMSO	NM_1531 91	SLC22A2	2	-0.21879	Inlier	solute carrier family 22 (organic cation transporter)	, member		
siRNA-Temozolomide Run2-DMSO	NM_1531 91	SLC22A2	2	0.21879	Inlier	solute carrier family 22 (organic cation transporter)	, member		
siRNA Disorazole DMSO Run1	NM_1531 91	SLC22A2	2	0.403469	Inlier	solute carrier family 22 (organic cation transporter)	, member		
siRNA-Vinblastine Run2-DMSO	NM_1531 91	SLC22A2	2	0.945531	Inlier	solute carrier family 22 (organic cation transporter)	, member		

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA	Gene	Gene ID	Gene Name	Value	Category
siRNA-Vinblastine Run1-DMSO	NM_153191	SLC22A2	solute carrier family 22 (organic cation transporter), member 2	1.663507	Inlier
siRNA-Temozolomide Run3-DMSO	NM_021977	SLC22A3	solute carrier family 22 (extraneuronal monoamine transporter), member 3	-1.198573	Inlier
siRNA Disorazole DMSO Run2	NM_021977	SLC22A3	solute carrier family 22 (extraneuronal monoamine transporter), member 3	-0.868067	Inlier
siRNA Disorazole DMSO Run3	NM_021977	SLC22A3	solute carrier family 22 (extraneuronal monoamine transporter), member 3	-0.467811	Inlier
siRNA-Temozolomide Run2-DMSO	NM_021977	SLC22A3	solute carrier family 22 (extraneuronal monoamine transporter), member 3	-0.18756	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Log2 Fold Change	Annotation
siRNA-Temozolomide Run1-DMSO	NM_021977	SLC22A3	0.187561	Inlier solute carrier family 22 (extraneuronal monoamine transporter), member 3
siRNA Disorazole DMSO Run1	NM_021977	SLC22A3	0.480933	Inlier solute carrier family 22 (extraneuronal monoamine transporter), member 3
siRNA-Vinblastine Run1-DMSO	NM_021977	SLC22A3	1.241242	Inlier solute carrier family 22 (extraneuronal monoamine transporter), member 3
siRNA-Vinblastine Run2-DMSO	NM_021977	SLC22A3	1.479007	Inlier solute carrier family 22 (organic cation transporter), member 3
siRNA-Temozolomide Run3-DMSO	NM_003059	SLC22A4	-1.368122	Inlier solute carrier family 22 (organic cation transporter), member 4

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Condition	Gene	Value	Outlier	Gene Description		
siRNA Disorazole	DMSO Run2	NM_0030 59	SLC22A4	4	-0.716259	Inlier	solute carrier family 22 (organic cation transporter), member 4
siRNA-Temozolomide	Run2-DMSO	NM_0030 59	SLC22A4	4	-0.333976	Inlier	solute carrier family 22 (organic cation transporter), member 4
siRNA Disorazole	DMSO Run3	NM_0030 59	SLC22A4	4	-0.089275	Inlier	solute carrier family 22 (organic cation transporter), member 4
siRNA-Temozolomide	Run1-DMSO	NM_0030 59	SLC22A4	4	0.089275	Inlier	solute carrier family 22 (organic cation transporter), member 4
siRNA Disorazole	DMSO Run1	NM_0030 59	SLC22A4	4	0.632741	Inlier	solute carrier family 22 (organic cation transporter), member 4
siRNA-Vinblastine	Run2-DMSO	NM_0030 59	SLC22A4	4	1.131706	Inlier	solute carrier family 22 (organic cation transporter), member 4

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Gene	Member	Value	Category
siRNA-Vinblastine Run1-DMSO	NM_003059	SLC22A4	4	1.25974	Inlier	solute carrier family 22 (organic cation transporter), member 4
siRNA-Temozolomide Run3-DMSO	NM_003060	SLC22A5	5	-0.957612	Inlier	solute carrier family 22 (organic cation transporter), member 5
siRNA-Temozolomide Run1-DMSO	NM_003060	SLC22A5	5	-0.797714	Inlier	solute carrier family 22 (organic cation transporter), member 5
siRNA-Temozolomide Run2-DMSO	NM_003060	SLC22A5	5	-0.551286	Inlier	solute carrier family 22 (organic cation transporter), member 5
siRNA Disorazole DMSO Run2	NM_003060	SLC22A5	5	-0.078027	Inlier	solute carrier family 22 (organic cation transporter), member 5
siRNA Disorazole DMSO Run3	NM_003060	SLC22A5	5	0.078028	Inlier	solute carrier family 22 (organic cation transporter), member 5

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Value	Outlier Status
siRNA Disorazole DMSO Run1	NM_0030 60	SLC22A5	solute carrier family 22 (organic cation transporter), member 5	0.142323	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0030 60	SLC22A5	solute carrier family 22 (organic cation transporter), member 5	0.812799	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0030 60	SLC22A5	solute carrier family 22 (organic anion transporter), member 5	1.139392	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1532 77	SLC22A6	solute carrier family 22 (organic anion transporter), member 6	-0.959372	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1532 77	SLC22A6	solute carrier family 22 (organic anion transporter), member 6	-0.634528	Inlier
siRNA Disorazole DMSO Run3	NM_1532 77	SLC22A6	solute carrier family 22 (organic anion transporter), member 6	-0.620153	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Description	Value	Outlier Status
siRNA Disorazole DMSO Run2	SLC22A6	NM_153277	solute carrier family 22 (organic anion transporter), member 6	-0.37556	Inlier
siRNA Disorazole DMSO Run1	SLC22A6	NM_153277	solute carrier family 22 (organic anion transporter), member 6	0.37556	Inlier
siRNA-Temozolomide Run1-DMSO	SLC22A6	NM_153277	solute carrier family 22 (organic anion transporter), member 6	0.714472	Inlier
siRNA-Vinblastine Run1-DMSO	SLC22A6	NM_153277	solute carrier family 22 (organic anion transporter), member 6	1.006896	Inlier
siRNA-Vinblastine Run2-DMSO	SLC22A6	NM_153277	solute carrier family 22 (organic anion transporter), member 6	1.56155	Inlier
siRNA-Temozolomide Run1-DMSO	SLC22A7	NM_153320	solute carrier family 22 (organic anion transporter), member 7	-0.841451	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Gene ID	Gene Name	Gene Description	Value	Category
siRNA-Vinblastine Run2-DMSO	NM_153320	SLC22A7	7	solute carrier family 22 (organic anion transporter), member 7	1.04114	Inlier
siRNA Disorazole DMSO Run2	NM_004254	SLC22A8	8	solute carrier family 22 (organic anion transporter), member 8	-0.879535	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004254	SLC22A8	8	solute carrier family 22 (organic anion transporter), member 8	-0.469465	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004254	SLC22A8	8	solute carrier family 22 (organic anion transporter), member 8	-0.455805	Inlier
siRNA Disorazole DMSO Run1	NM_004254	SLC22A8	8	solute carrier family 22 (organic anion transporter), member 8	-0.317982	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004254	SLC22A8	8	solute carrier family 22 (organic anion transporter), member 8	0.317981	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log2 Fold Change	Significance
siRNA-Vinblastine Run1-DMSO	NM_004254	SLC22A8	solute carrier family 22 (organic anion transporter), member 8	1.151783	Inlier
siRNA Disorazole DMSO Run3	NM_004254	SLC22A8	solute carrier family 22 (organic anion transporter), member 8	1.485545	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004254	SLC22A8	solute carrier family 22 (organic anion/cation transporter), member 8	1.863851	Inlier
siRNA-Temozolomide Run3-DMSO	NM_080866	SLC22A9	solute carrier family 22 (organic anion/cation transporter), member 9	-1.576198	Inlier
siRNA Disorazole DMSO Run2	NM_080866	SLC22A9	solute carrier family 22 (organic anion/cation transporter), member 9	-0.963452	Inlier
siRNA-Temozolomide Run2-DMSO	NM_080866	SLC22A9	solute carrier family 22 (organic anion/cation transporter), member 9	-0.594177	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Name	Value	Outlier Status
siRNA-Temozolomide Run1-DMSO	NM_080866	SLC22A9	solute carrier family 22 (organic anion/cation transporter), member 9	-0.194393	Inlier
siRNA Disorazole DMSO Run1	NM_080866	SLC22A9	solute carrier family 22 (organic anion/cation transporter), member 9	0.194392	Inlier
siRNA-Vinblastine Run1-DMSO	NM_080866	SLC22A9	solute carrier family 22 (organic anion/cation transporter), member 9	0.565555	Inlier
siRNA Disorazole DMSO Run3	NM_080866	SLC22A9	solute carrier family 22 (organic anion/cation transporter), member 9	0.754822	Inlier
siRNA-Vinblastine Run2-DMSO	NM_080866	SLC22A9	solute carrier family 22 (organic anion/cation transporter), member 9	1.133983	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Log Fold Change	Category
siRNA Disorazole DMSO Run1	NM_152685	SLC23A1	-1.684811	Inlier
siRNA-Temozolomide Run1-DMSO	NM_152685	SLC23A1	-1.446907	Inlier
siRNA-Temozolomide Run2-DMSO	NM_152685	SLC23A1	-0.546775	Inlier
siRNA-Vinblastine Run1-DMSO	NM_152685	SLC23A1	-0.081116	Inlier
siRNA Disorazole DMSO Run2	NM_152685	SLC23A1	0.081116	Inlier
siRNA-Temozolomide Run3-DMSO	NM_152685	SLC23A1	0.199472	Inlier

solute carrier family 23 (nucleobase transporter

s), member 1

solute carrier family 23 (nucleobase transporter

s), member 1

solute carrier family 23 (nucleobase transporter

s), member 1

solute carrier family 23 (nucleobase transporter

s), member 1

solute carrier family 23 (nucleobase transporter

s), member 1

solute carrier family 23 (nucleobase transporter

s), member 1

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	siRNA	siRNA	siRNA	siRNA	siRNA	siRNA	siRNA	siRNA	siRNA
siRNA-Vinblastine Run2-DMSO	NM_152685	SLC23A1	solute carrier family 23 (nucleobase transporters), member 1	0.802225	Inlier				
siRNA Disorazole DMSO Run3	NM_152685	SLC23A1	solute carrier family 23 (nucleobase transporters), member 1	3.18106	Inlier				
siRNA-Temozolomide Run3-DMSO	NM_203327	SLC23A2	solute carrier family 23 (nucleobase transporters), member 2	-0.771952	Inlier				
siRNA Disorazole DMSO Run2	NM_203327	SLC23A2	solute carrier family 23 (nucleobase transporters), member 2	-0.714878	Inlier				
siRNA-Temozolomide Run2-DMSO	NM_203327	SLC23A2	solute carrier family 23 (nucleobase transporters), member 2	-0.634122	Inlier				
siRNA Disorazole DMSO Run3	NM_203327	SLC23A2	solute carrier family 23 (nucleobase transporters), member 2	-0.416722	Inlier				

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Member	Value	Category
siRNA Disorazole DMSO Run1	SLC23A2	NM_2033 27	member 2	0.416722	Inlier
siRNA-Temozolomide Run1-DMSO	SLC23A2	NM_2033 27	member 2	0.588159	Inlier
siRNA-Vinblastine Run1-DMSO	SLC23A2	NM_2033 27	member 2	1.409573	Inlier
siRNA-Vinblastine Run2-DMSO	SLC23A2	NM_2033 27	member 2	1.905844	Inlier
siRNA Disorazole DMSO Run1	SLC23A3	NM_1447 12	member 3	-2.035882	Inlier
siRNA-Temozolomide Run1-DMSO	SLC23A3	NM_1447 12	member 3	-0.931099	Inlier

solute carrier family 23 (nucleobase transporters), member 2
solute carrier family 23 (nucleobase transporters), member 2
solute carrier family 23 (nucleobase transporters), member 2
solute carrier family 23 (nucleobase transporters), member 2
solute carrier family 23 (nucleobase transporters), member 3

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Name	Log Fold Change	Significance
siRNA-Temozolomide Run3-DMSO	NM_144712	SLC23A3	solute carrier family 23 (nucleobase transporters), member 3	-0.722761	Inlier
siRNA-Temozolomide Run2-DMSO	NM_144712	SLC23A3	solute carrier family 23 (nucleobase transporters), member 3	-0.10668	Inlier
siRNA Disorazole DMSO Run2	NM_144712	SLC23A3	solute carrier family 23 (nucleobase transporters), member 3	0.10668	Inlier
siRNA-Vinblastine Run1-DMSO	NM_144712	SLC23A3	solute carrier family 23 (nucleobase transporters), member 3	0.137047	Inlier
siRNA Disorazole DMSO Run3	NM_144712	SLC23A3	solute carrier family 23 (nucleobase transporters), member 3	0.626239	Inlier
siRNA-Vinblastine Run2-DMSO	NM_144712	SLC23A3	solute carrier family 23 (nucleobase transporters), member 3	1.124428	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Log Fold Change	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_004727	SLC24A1	-0.843128	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004727	SLC24A1	-0.611812	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004727	SLC24A1	-0.485699	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004727	SLC24A1	-0.111353	Inlier
siRNA Disorazole DMSO Run1	NM_004727	SLC24A1	0.111353	Inlier

solute carrier family 24 (sodium/potassium/calcium exchanger), member 1

solute carrier family 24 (sodium/potassium/calcium exchanger), member 1

solute carrier family 24 (sodium/potassium/calcium exchanger), member 1

solute carrier family 24 (sodium/potassium/calcium exchanger), member 1

solute carrier family 24 (sodium/potassium/calcium exchanger), member 1

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA	Run	Gene	Accession	Gene ID	Score	Category
siRNA Disorazole DMSO	Run3	SLC24A1	NM_004727	1	0.737188	Inlier
siRNA-Vinblastine DMSO	Run1	SLC24A1	NM_004727	1	0.741076	Inlier
siRNA Disorazole DMSO	Run2	SLC24A1	NM_004727	1	1.097891	Inlier
siRNA-Temozolomide DMSO	Run2	SLC24A2	NM_020344	2	-0.973036	Inlier
siRNA-Temozolomide DMSO	Run3	SLC24A2	NM_020344	2	-0.754609	Inlier

solute carrier family 24 (sodium/potassium/calcium exchanger), member 1

solute carrier family 24 (sodium/potassium/calcium exchanger), member 1

solute carrier family 24 (sodium/potassium/calcium exchanger), member 1

solute carrier family 24 (sodium/potassium/calcium exchanger), member 2

solute carrier family 24 (sodium/potassium/calcium exchanger), member 2

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	siRNA	siRNA	siRNA	siRNA	siRNA	siRNA	siRNA	siRNA	siRNA
siRNA Disorazole	DMSO	Run1	44	NM_0203	SLC24A2	2	-0.594391	Inlier	solute carrier family 24 (sodium/potassium/calcium exchanger), member 2
siRNA-Temozolomide	Run1-DMSO		44	NM_0203	SLC24A2	2	-0.24429	Inlier	solute carrier family 24 (sodium/potassium/calcium exchanger), member 2
siRNA Disorazole	DMSO	Run3	44	NM_0203	SLC24A2	2	0.24429	Inlier	solute carrier family 24 (sodium/potassium/calcium exchanger), member 2
siRNA-Vinblastine	Run2-DMSO		44	NM_0203	SLC24A2	2	0.43689	Inlier	solute carrier family 24 (sodium/potassium/calcium exchanger), member 2
siRNA Disorazole	DMSO	Run2	44	NM_0203	SLC24A2	2	0.837759	Inlier	solute carrier family 24 (sodium/potassium/calcium exchanger), member 2

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log Fold Change	Outlier Status
siRNA-Vinblastine Run1-DMSO	NM_020344	SLC24A2	solute carrier family 24 (sodium/potassium/calcium exchanger), member 2	0.873461	Inlier
siRNA-Temozolomide Run2-DMSO	NM_020689	SLC24A3	solute carrier family 24 (sodium/potassium/calcium exchanger), member 3	-1.644726	Inlier
siRNA-Temozolomide Run1-DMSO	NM_020689	SLC24A3	solute carrier family 24 (sodium/potassium/calcium exchanger), member 3	-1.257796	Inlier
siRNA Disorazole DMSO Run1	NM_020689	SLC24A3	solute carrier family 24 (sodium/potassium/calcium exchanger), member 3	-0.436776	Inlier
siRNA-Vinblastine Run2-DMSO	NM_020689	SLC24A3	solute carrier family 24 (sodium/potassium/calcium exchanger), member 3	-0.217133	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Accession	Value	Category
siRNA-Temozolomide Run3-DMSO	NM_020689	SLC24A3	3	0.217134	Inlier
siRNA-Vinblastine Run1-DMSO	NM_020689	SLC24A3	3	0.549496	Inlier
siRNA Disorazole DMSO Run3	NM_020689	SLC24A3	3	0.799504	Inlier
siRNA Disorazole DMSO Run2	NM_020689	SLC24A3	3	1.237201	Inlier
siRNA-Temozolomide Run3-DMSO	NM_153647	SLC24A4	4	-1.328212	Inlier

solute carrier family 24 (sodium/potassium/calcium exchanger), member 3

solute carrier family 24 (sodium/potassium/calcium exchanger), member 3

solute carrier family 24 (sodium/potassium/calcium exchanger), member 3

solute carrier family 24 (sodium/potassium/calcium exchanger), member 3

solute carrier family 24 (sodium/potassium/calcium exchanger), member 4

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Log2 Fold Change	Category
siRNA-Temozolomide Run2-DMSO	NM_153647	SLC24A4	-0.872442	Inlier
siRNA-Temozolomide Run1-DMSO	NM_153647	SLC24A4	-0.317238	Inlier
siRNA Disorazole DMSO Run1	NM_153647	SLC24A4	-0.008447	Inlier
siRNA-Vinblastine Run2-DMSO	NM_153647	SLC24A4	0.008447	Inlier
siRNA Disorazole DMSO Run3	NM_153647	SLC24A4	0.476558	Inlier

solute carrier family 24 (sodium/potassium/calcium exchanger), member 4

solute carrier family 24 (sodium/potassium/calcium exchanger), member 4

solute carrier family 24 (sodium/potassium/calcium exchanger), member 4

solute carrier family 24 (sodium/potassium/calcium exchanger), member 4

solute carrier family 24 (sodium/potassium/calcium exchanger), member 4

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_1536 47	SLC24A4	4	1.131937	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1536 47	SLC24A4	4	1.50342	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0059 84	SLC25A1	1	-1.483791	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0059 84	SLC25A1	1	-0.677092	Inlier
siRNA Disorazole DMSO Run3	NM_0059 84	SLC25A1	1	-0.429354	Inlier

solute carrier family 24 (sodium/potassium/calcium exchanger), member 4

solute carrier family 24 (sodium/potassium/calcium exchanger), member 4

solute carrier family 25 (mitochondrial carrier; citrate transporter), member 1

solute carrier family 25 (mitochondrial carrier; citrate transporter), member 1

solute carrier family 25 (mitochondrial carrier; citrate transporter), member 1

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Accession	Log Fold Change	Category
siRNA Disorazole DMSO Run2	SLC25A1	NM_0059	84	-0.077176	Inlier
siRNA-Temozolomide Run1-DMSO	SLC25A1	NM_0059	84	0.077176	Inlier
siRNA Disorazole DMSO Run1	SLC25A1	NM_0059	84	0.671908	Inlier
siRNA-Vinblastine Run2-DMSO	SLC25A1	NM_0059	84	1.164768	Inlier
siRNA-Vinblastine Run1-DMSO	SLC25A1	NM_0059	84	1.615933	Inlier

solute carrier family 25 (mitochondrial carrier; citrate transporter), member 1

solute carrier family 25 (mitochondrial carrier; citrate transporter), member 1

solute carrier family 25 (mitochondrial carrier; citrate transporter), member 1

solute carrier family 25 (mitochondrial carrier; citrate transporter), member 1

solute carrier family 25 (mitochondrial carrier; citrate transporter), member 1

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Gene Name	Log Fold Change	Category
siRNA-Temozolomide Run3-DMSO	NM_012140	SLC25A10	solute carrier family 25 (mitochondrial carrier; dicarboxylate transporter), member 10	-3.487264	Inlier
siRNA-Temozolomide Run2-DMSO	NM_012140	SLC25A10	solute carrier family 25 (mitochondrial carrier; dicarboxylate transporter), member 10	-2.100827	Inlier
siRNA Disorazole DMSO Run3	NM_012140	SLC25A10	solute carrier family 25 (mitochondrial carrier; dicarboxylate transporter), member 10	-0.440748	Inlier
siRNA-Temozolomide Run1-DMSO	NM_012140	SLC25A10	solute carrier family 25 (mitochondrial carrier; dicarboxylate transporter), member 10	-0.105322	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA	Condition	Run	Gene	Accession	Gene Description	Score	Inlier
siRNA Disorazole	DMSO	Run1	SLC25A10	NM_0121 40	solute carrier family 25 (mitochondrial carrier; dicarboxylate transporter), member 10	0.105322	Inlier
siRNA Disorazole	DMSO	Run2	SLC25A10	NM_0121 40	solute carrier family 25 (mitochondrial carrier; dicarboxylate transporter), member 10	0.163384	Inlier
siRNA-Vinblastine	Run2-DMSO		SLC25A10	NM_0121 40	solute carrier family 25 (mitochondrial carrier; dicarboxylate transporter), member 10	0.908252	Inlier
siRNA-Vinblastine	Run1-DMSO		SLC25A10	NM_0121 40	solute carrier family 25 (mitochondrial carrier; dicarboxylate transporter), member 10	1.115559	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_003562	SLC25A11	11	solute carrier family 25 (mitochondrial carrier; oxoglutarate carrier), member	-1.036643	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003562	SLC25A11	11	solute carrier family 25 (mitochondrial carrier; oxoglutarate carrier), member	-0.951637	Inlier
siRNA Disorazole DMSO Run3	NM_003562	SLC25A11	11	solute carrier family 25 (mitochondrial carrier; oxoglutarate carrier), member	-0.397363	Inlier
siRNA Disorazole DMSO Run1	NM_003562	SLC25A11	11	solute carrier family 25 (mitochondrial carrier; oxoglutarate carrier), member	-0.0651	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_003562	SLC25A11	11	0.0651	Inlier	solute carrier family 25 (mitochondrial carrier; oxoglutarate carrier), member
siRNA-Temozolomide Run2-DMSO	NM_003562	SLC25A11	11	0.097649	Inlier	solute carrier family 25 (mitochondrial carrier; oxoglutarate carrier), member
siRNA Disorazole DMSO Run2	NM_003562	SLC25A11	11	3.358994	Inlier	solute carrier family 25 (mitochondrial carrier; oxoglutarate carrier), member
siRNA-Vinblastine Run1-DMSO	NM_003562	SLC25A11	11	3.430198	Inlier	solute carrier family 25 (mitochondrial carrier; oxoglutarate carrier), member

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Description	Value	Outlier Status
siRNA-Temozolomide Run3-DMSO	SLC25A12	NM_003705	solute carrier family 25 (mitochondrial carrier, Aralar), member 12	-0.780001	Inlier
siRNA Disorazole DMSO Run3	SLC25A12	NM_003705	solute carrier family 25 (mitochondrial carrier, Aralar), member 12	-0.768096	Inlier
siRNA-Temozolomide Run2-DMSO	SLC25A12	NM_003705	solute carrier family 25 (mitochondrial carrier, Aralar), member 12	-0.580904	Inlier
siRNA-Vinblastine Run2-DMSO	SLC25A12	NM_003705	solute carrier family 25 (mitochondrial carrier, Aralar), member 12	-0.207668	Inlier
siRNA Disorazole DMSO Run1	SLC25A12	NM_003705	solute carrier family 25 (mitochondrial carrier, Aralar), member 12	0.207667	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Value	Category
siRNA-Temozolomide Run1-DMSO	NM_003705	SLC25A12	12 solute carrier family 25 (mitochondrial carrier, Aralar), member	0.465386	Inlier
siRNA Disorazole DMSO Run2	NM_003705	SLC25A12	12 solute carrier family 25 (mitochondrial carrier, Aralar), member	4.00363	Outlier
siRNA-Vinblastine Run1-DMSO	NM_003705	SLC25A12	12 solute carrier family 25 (mitochondrial carrier, Aralar), member	4.043085	Outlier
siRNA-Temozolomide Run3-DMSO	NM_014251	SLC25A13	13 (citrin) solute carrier family 25, member	-2.622797	Inlier
siRNA-Temozolomide Run1-DMSO	NM_014251	SLC25A13	13 (citrin) solute carrier family 25, member	-0.880924	Inlier
siRNA-Temozolomide Run2-DMSO	NM_014251	SLC25A13	13 (citrin) solute carrier family 25, member	-0.468076	Inlier
siRNA-Vinblastine Run2-DMSO	NM_014251	SLC25A13	13 (citrin) solute carrier family 25, member	-0.263375	Inlier
siRNA Disorazole DMSO Run1	NM_014251	SLC25A13	13 (citrin) solute carrier family 25, member	0.263375	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Gene Name	Value	Category
siRNA Disorazole DMSO Run3	NM_0142	51	SLC25A13	0.281186	Inlier
			13 (citrin) solute carrier family 25, member		
siRNA-Vinblastine Run1-DMSO	NM_0142	51	SLC25A13	1.937899	Inlier
			13 (citrin) solute carrier family 25, member		
siRNA Disorazole DMSO Run2	NM_0142	51	SLC25A13	3.297429	Inlier
			13 (citrin) solute carrier family 25, member		
siRNA-Temozolomide Run3-DMSO	NM_0228	10	SLC25A14	-2.680051	Inlier
			14 solute carrier family 25 (mitochondrial carrier, brain), member		
siRNA Disorazole DMSO Run1	NM_0228	10	SLC25A14	-0.817364	Inlier
			14 solute carrier family 25 (mitochondrial carrier, brain), member		
siRNA-Temozolomide Run1-DMSO	NM_0228	10	SLC25A14	-0.209856	Inlier
			14 solute carrier family 25 (mitochondrial carrier, brain), member		
siRNA-Temozolomide Run2-DMSO	NM_0228	10	SLC25A14	-0.042149	Inlier
			14 solute carrier family 25 (mitochondrial carrier, brain), member		

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Accession	Value	Category
siRNA-Vinblastine Run2-DMSO	NM_022810	SLC25A14	14	0.042149	Inlier
siRNA Disorazole DMSO Run3	NM_022810	SLC25A14	14	0.531636	Inlier
siRNA-Vinblastine Run1-DMSO	NM_022810	SLC25A14	14	5.896066	Outlier
siRNA Disorazole DMSO Run2	NM_022810	SLC25A14	14	6.168996	Outlier
siRNA-Temozolomide Run3-DMSO	NM_014252	SLC25A15	15	-3.227846	Inlier

solute carrier family 25 (mitochondrial carrier, brain), member

solute carrier family 25 (mitochondrial carrier, brain), member

solute carrier family 25 (mitochondrial carrier, brain), member

solute carrier family 25 (mitochondrial carrier, brain), member

solute carrier family 25 (mitochondrial carrier; ornithine transporter) member

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Accession	Value	Category
siRNA-Temozolomide Run2-DMSO	NM_014252	SLC25A15	15	-1.40438	Inlier
siRNA Disorazole DMSO Run1	NM_014252	SLC25A15	15	-0.95159	Inlier
siRNA Disorazole DMSO Run2	NM_014252	SLC25A15	15	-0.010917	Inlier
siRNA-Temozolomide Run1-DMSO	NM_014252	SLC25A15	15	0.010917	Inlier
siRNA-Vinblastine Run2-DMSO	NM_014252	SLC25A15	15	0.148598	Inlier

solute carrier family 25 (mitochondrial carrier; ornithine transporter) member

solute carrier family 25 (mitochondrial carrier; ornithine transporter) member

solute carrier family 25 (mitochondrial carrier; ornithine transporter) member

solute carrier family 25 (mitochondrial carrier; ornithine transporter) member

solute carrier family 25 (mitochondrial carrier; ornithine transporter) member

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Score	Category
siRNA-Vinblastine Run1-DMSO	NM_014252	SLC25A15	15 solute carrier family 25 (mitochondrial carrier; ornithine transporter) member	0.39741	Inlier
siRNA Disorazole DMSO Run3	NM_014252	SLC25A15	15 solute carrier family 25 (mitochondrial carrier; ornithine transporter) member	2.589896	Inlier
siRNA-Temozolomide Run3-DMSO	NM_152707	SLC25A16	16 solute carrier family 25 (mitochondrial carrier; Graves disease autoantigen), member	-1.459896	Inlier
siRNA-Temozolomide Run1-DMSO	NM_152707	SLC25A16	16 solute carrier family 25 (mitochondrial carrier; Graves disease autoantigen), member	-1.071146	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA	siRNA	siRNA	siRNA	siRNA	siRNA	siRNA	siRNA	siRNA	siRNA
siRNA-Temozolomide Run2-DMSO	NM_152707	SLC25A16	16	-0.211456	Inlier	solute carrier family 25 (mitochondrial carrier; Graves disease autoantigen), member			
siRNA Disorazole DMSO Run3	NM_152707	SLC25A16	16	-0.039228	Inlier	solute carrier family 25 (mitochondrial carrier; Graves disease autoantigen), member			
siRNA Disorazole DMSO Run1	NM_152707	SLC25A16	16	0.039229	Inlier	solute carrier family 25 (mitochondrial carrier; Graves disease autoantigen), member			
siRNA-Vinblastine Run2-DMSO	NM_152707	SLC25A16	16	0.277854	Inlier	solute carrier family 25 (mitochondrial carrier; Graves disease autoantigen), member			

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Drug	Run	Gene	Accession	Log2FC	Inlier	Annotations
siRNA Disorazole	DMSO	Run2	SLC25A16	NM_152707	1.636434	Inlier	solute carrier family 25 (mitochondrial carrier; Graves disease autoantigen), member
siRNA-Vinblastine	DMSO	Run1	SLC25A16	NM_152707	1.709097	Inlier	solute carrier family 25 (mitochondrial carrier; Graves disease autoantigen), member
siRNA-Temozolomide	DMSO	Run3	SLC25A17	NM_006358	-2.850956	Inlier	solute carrier family 25 (mitochondrial carrier; peroxisomal membrane protein, 34kDa), member
siRNA Disorazole	DMSO	Run2	SLC25A17	NM_006358	-0.837871	Inlier	solute carrier family 25 (mitochondrial carrier; peroxisomal membrane protein, 34kDa), member

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_006358	SLC25A17	17	-0.613849	Inlier
			solute carrier family 25 (mitochondrial carrier; peroxisomal membrane protein, 34kDa), member		
siRNA-Temozolomide Run2-DMSO	NM_006358	SLC25A17	17	-0.520693	Inlier
			solute carrier family 25 (mitochondrial carrier; peroxisomal membrane protein, 34kDa), member		
siRNA Disorazole DMSO Run3	NM_006358	SLC25A17	17	0.520692	Inlier
			solute carrier family 25 (mitochondrial carrier; peroxisomal membrane protein, 34kDa), member		
siRNA Disorazole DMSO Run1	NM_006358	SLC25A17	17	0.641368	Inlier
			solute carrier family 25 (mitochondrial carrier; peroxisomal membrane protein, 34kDa), member		

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_006358	SLC25A17	17	0.707632	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006358	SLC25A17	17	1.714138	Inlier
siRNA-Temozolomide Run3-DMSO	NM_031481	SLC25A18	18	-1.421371	Inlier
siRNA-Temozolomide Run2-DMSO	NM_031481	SLC25A18	18	-0.880031	Inlier
siRNA-Temozolomide Run1-DMSO	NM_031481	SLC25A18	18	-0.407672	Inlier

solute carrier family 25 (mitochondrial carrier; peroxisomal membrane protein, 34kDa), member

solute carrier family 25 (mitochondrial carrier; peroxisomal membrane protein, 34kDa), member

solute carrier family 25 (mitochondrial carrier), member

solute carrier family 25 (mitochondrial carrier), member

solute carrier family 25 (mitochondrial carrier), member

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

				solute carrier family 25 (mitochondrial carrier), member	
siRNA Disorazole DMSO Run1	NM_0314 81	SLC25A18	18		-0.358202 Inlier
				solute carrier family 25 (mitochondrial carrier), member	
siRNA Disorazole DMSO Run3	NM_0314 81	SLC25A18	18		0.358202 Inlier
				solute carrier family 25 (mitochondrial carrier), member	
siRNA-Vinblastine Run2-DMSO	NM_0314 81	SLC25A18	18		0.468969 Inlier
				solute carrier family 25 (mitochondrial carrier), member	
siRNA Disorazole DMSO Run2	NM_0314 81	SLC25A18	18		1.173679 Inlier
				solute carrier family 25 (mitochondrial carrier), member	
siRNA-Vinblastine Run1-DMSO	NM_0314 81	SLC25A18	18		1.422212 Inlier
				solute carrier family 25 (mitochondrial deoxynucleotide carrier), member	
siRNA-Temozolomide Run3-DMSO	NM_0217 34	SLC25A19	19		-1.193771 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	SLC	Count	Log2FC	Category
siRNA Disorazole DMSO Run3	NM_0217	34	SLC25A19	19	-0.752144	Inlier
						solute carrier family 25 (mitochondrial deoxynucleotide carrier), member
siRNA-Vinblastine Run2-DMSO	NM_0217	34	SLC25A19	19	-0.423434	Inlier
						solute carrier family 25 (mitochondrial deoxynucleotide carrier), member
siRNA-Temozolomide Run1-DMSO	NM_0217	34	SLC25A19	19	-0.111476	Inlier
						solute carrier family 25 (mitochondrial deoxynucleotide carrier), member
siRNA-Temozolomide Run2-DMSO	NM_0217	34	SLC25A19	19	0.111476	Inlier
						solute carrier family 25 (mitochondrial deoxynucleotide carrier), member
siRNA Disorazole DMSO Run1	NM_0217	34	SLC25A19	19	0.596855	Inlier
						solute carrier family 25 (mitochondrial deoxynucleotide carrier), member

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Gene Description	Value	Category
siRNA Disorazole DMSO Run2	SLC25A19	NM_021734	solute carrier family 25 (mitochondrial deoxynucleotide carrier), member 19	6.599798	Outlier
siRNA-Vinblastine Run1-DMSO	SLC25A19	NM_021734	solute carrier family 25 (mitochondrial deoxynucleotide carrier), member 19	8.690872	Outlier
siRNA-Temozolomide Run3-DMSO	SLC25A2	NM_031947	solute carrier family 25 (mitochondrial carrier; ornithine transporter) member 2	-1.583863	Inlier
siRNA-Temozolomide Run2-DMSO	SLC25A2	NM_031947	solute carrier family 25 (mitochondrial carrier; ornithine transporter) member 2	-1.136863	Inlier
siRNA Disorazole DMSO Run3	SLC25A2	NM_031947	solute carrier family 25 (mitochondrial carrier; ornithine transporter) member 2	-0.312485	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Log2 Fold Change	Outlier Status
siRNA-Temozolomide Run1-DMSO	NM_031947	SLC25A2	-0.097888	Inlier
siRNA-Vinblastine Run2-DMSO	NM_031947	SLC25A2	0.097888	Inlier
siRNA Disorazole DMSO Run1	NM_031947	SLC25A2	0.306913	Inlier
siRNA-Vinblastine Run1-DMSO	NM_031947	SLC25A2	1.036515	Inlier
siRNA Disorazole DMSO Run2	NM_031947	SLC25A2	2.259831	Inlier

solute carrier family 25 (mitochondrial carrier; ornithine transporter) member 2

solute carrier family 25 (mitochondrial carrier; ornithine transporter) member 2

solute carrier family 25 (mitochondrial carrier; ornithine transporter) member 2

solute carrier family 25 (mitochondrial carrier; ornithine transporter) member 2

solute carrier family 25 (mitochondrial carrier; ornithine transporter) member 2

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Gene ID	Gene Name	Log Fold Change	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000387	SLC25A20	20 solute carrier family 25 (carnitine/acylcarnitine translocase), member	-1.12006	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000387	SLC25A20	20 solute carrier family 25 (carnitine/acylcarnitine translocase), member	-0.810664	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000387	SLC25A20	20 solute carrier family 25 (carnitine/acylcarnitine translocase), member	-0.465196	Inlier
siRNA Disorazole DMSO Run1	NM_000387	SLC25A20	20 solute carrier family 25 (carnitine/acylcarnitine translocase), member	-0.350688	Inlier
siRNA Disorazole DMSO Run3	NM_000387	SLC25A20	20 solute carrier family 25 (carnitine/acylcarnitine translocase), member	0.350688	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log2 Fold Change	Significance
siRNA-Vinblastine Run2-DMSO	NM_000387	SLC25A20	solute carrier family 25 (carnitine/acylcarnitine translocase), member 20	0.538336	Inlier
siRNA Disorazole DMSO Run2	NM_000387	SLC25A20	solute carrier family 25 (carnitine/acylcarnitine translocase), member 20	1.51138	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000387	SLC25A20	solute carrier family 25 (carnitine/acylcarnitine translocase), member 20	1.675259	Inlier
siRNA-Temozolomide Run3-DMSO	NM_024698	SLC25A22	solute carrier family 25 (mitochondrial carrier: glutamate), member 22	-1.57002	Inlier
siRNA-Temozolomide Run1-DMSO	NM_024698	SLC25A22	solute carrier family 25 (mitochondrial carrier: glutamate), member 22	-0.630786	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Log Fold Change	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_024698	SLC25A22	-0.334794	Inlier
siRNA Disorazole DMSO Run1	NM_024698	SLC25A22	-0.184835	Inlier
siRNA Disorazole DMSO Run3	NM_024698	SLC25A22	0.184834	Inlier
siRNA-Vinblastine Run2-DMSO	NM_024698	SLC25A22	0.718213	Inlier
siRNA Disorazole DMSO Run2	NM_024698	SLC25A22	2.201838	Inlier

solute carrier family 25 (mitochondrial carrier: glutamate), member 22

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Value	Category
siRNA-Vinblastine Run1-DMSO	NM_024698	SLC25A22	solute carrier family 25 (mitochondrial carrier: glutamate), member 22	2.220515	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004277	SLC25A27	solute carrier family 25, member 27	-1.161431	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004277	SLC25A27	solute carrier family 25, member 27	-0.804149	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004277	SLC25A27	solute carrier family 25, member 27	-0.544851	Inlier
siRNA Disorazole DMSO Run1	NM_004277	SLC25A27	solute carrier family 25, member 27	-0.022546	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004277	SLC25A27	solute carrier family 25, member 27	0.022546	Inlier
siRNA Disorazole DMSO Run3	NM_004277	SLC25A27	solute carrier family 25, member 27	0.160036	Inlier
siRNA Disorazole DMSO Run2	NM_004277	SLC25A27	solute carrier family 25, member 27	1.495052	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004277	SLC25A27	solute carrier family 25, member 27	1.626974	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log Fold Change	Classification
siRNA Disorazole DMSO Run1	NM_1523 33	SLC25A29	solute carrier family 25, member 29	-2.751946	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1523 33	SLC25A29	solute carrier family 25, member 29	-0.968938	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1523 33	SLC25A29	solute carrier family 25, member 29	-0.380062	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1523 33	SLC25A29	solute carrier family 25, member 29	-0.25355	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1523 33	SLC25A29	solute carrier family 25, member 29	0.25355	Inlier
siRNA Disorazole DMSO Run3	NM_1523 33	SLC25A29	solute carrier family 25, member 29	0.317917	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1523 33	SLC25A29	solute carrier family 25, member 29	2.189542	Inlier
siRNA Disorazole DMSO Run2	NM_1523 33	SLC25A29	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 3	6.070897	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0026 35	SLC25A3	solute carrier family 25, member 3	-2.660438	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Name	Log2 Fold Change	Outlier Status
siRNA-Temozolomide Run2-DMSO	SLC25A3	NM_002635	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 3	-0.852907	Inlier
siRNA Disorazole DMSO Run1	SLC25A3	NM_002635	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 3	-0.496093	Inlier
siRNA-Temozolomide Run1-DMSO	SLC25A3	NM_002635	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 3	-0.113833	Inlier
siRNA Disorazole DMSO Run3	SLC25A3	NM_002635	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 3	0.113833	Inlier
siRNA-Vinblastine Run2-DMSO	SLC25A3	NM_002635	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 3	0.160341	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Condition	Run	Gene	Value	Category
siRNA Disorazole	DMSO	Run2	SLC25A3	6.058992	Outlier
siRNA-Vinblastine	DMSO	Run1	SLC25A3	6.554461	Outlier
siRNA-Temozolomide	DMSO	Run3	SLC25A4	-1.445249	Inlier
siRNA-Temozolomide	DMSO	Run2	SLC25A4	-0.681075	Inlier
siRNA Disorazole	DMSO	Run1	SLC25A4	-0.113456	Inlier

solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 3

solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 3

solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 4

solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 4

solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 4

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA	Gene	Gene ID	Gene Name	Gene Description	Value	Category
siRNA-Vinblastine Run2-DMSO	NM_001151	SLC25A4	SLC25A4	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 4	-0.028858	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001151	SLC25A4	SLC25A4	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 4	0.028858	Inlier
siRNA Disorazole DMSO Run3	NM_001151	SLC25A4	SLC25A4	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 4	0.667925	Inlier
siRNA Disorazole DMSO Run2	NM_001151	SLC25A4	SLC25A4	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 4	1.013369	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_001151	SLC25A4	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 4	1.671347	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001152	SLC25A5	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 5	-1.110795	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001152	SLC25A5	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 5	-1.071693	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001152	SLC25A5	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 5	-0.776617	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log Fold Change	Outlier Status
siRNA-Vinblastine Run2-DMSO	NM_001152	SLC25A5	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 5	-0.036823	Inlier
siRNA Disorazole DMSO Run1	NM_001152	SLC25A5	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 5	0.036823	Inlier
siRNA Disorazole DMSO Run3	NM_001152	SLC25A5	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 5	0.190633	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001152	SLC25A5	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 5	0.635861	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA	Gene	Gene ID	Gene Description	Score	Category
siRNA Disorazole DMSO Run2	SLC25A5	NM_001152	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 5	0.713139	Inlier
siRNA-Temozolomide Run3-DMSO	SLC25A6	NM_001636	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 6	-1.716235	Inlier
siRNA-Temozolomide Run2-DMSO	SLC25A6	NM_001636	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 6	-0.967069	Inlier
siRNA-Temozolomide Run1-DMSO	SLC25A6	NM_001636	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 6	-0.381931	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA	Gene	Gene ID	Gene Description	Log2 Fold Change	Category
siRNA-Vinblastine Run2-DMSO	SLC25A6	NM_001636	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 6	-0.07461	Inlier
siRNA Disorazole DMSO Run1	SLC25A6	NM_001636	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 6	0.07461	Inlier
siRNA Disorazole DMSO Run3	SLC25A6	NM_001636	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 6	0.281394	Inlier
siRNA-Vinblastine Run1-DMSO	SLC25A6	NM_001636	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 6	1.925933	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Condition	Run	Gene	Score	Inlier	Function
siRNA Disorazole	DMSO	Run2	SLC25A6	2.540947	Inlier	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 6
siRNA-Temozolomide	DMSO	Run3	SLC26A1	-2.67908	Inlier	solute carrier family 26 (sulfate transporter), member 1
siRNA-Temozolomide	DMSO	Run2	SLC26A1	-1.074788	Inlier	solute carrier family 26 (sulfate transporter), member 1
siRNA Disorazole	DMSO	Run1	SLC26A1	-0.224621	Inlier	solute carrier family 26 (sulfate transporter), member 1
siRNA-Temozolomide	DMSO	Run1	SLC26A1	-0.037823	Inlier	solute carrier family 26 (sulfate transporter), member 1
siRNA Disorazole	DMSO	Run3	SLC26A1	0.037824	Inlier	solute carrier family 26 (sulfate transporter), member 1

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Gene	Gene	Value	Category
siRNA Disorazole DMSO Run2	NM_1344	25	SLC26A1	1	0.274212	Inlier
						solute carrier family 26 (sulfate transporter), member
siRNA-Vinblastine Run1-DMSO	NM_1344	25	SLC26A1	1	1.643949	Inlier
						solute carrier family 26 (sulfate transporter), member
siRNA-Vinblastine Run2-DMSO	NM_1344	25	SLC26A1	1	2.008691	Inlier
						solute carrier family 26 (sulfate transporter), member
siRNA-Temozolomide Run1-DMSO	NM_1334	89	SLC26A10	10	-0.703337	Inlier
						solute carrier family 26, member
siRNA-Temozolomide Run2-DMSO	NM_1334	89	SLC26A10	10	-0.69835	Inlier
						solute carrier family 26, member
siRNA-Temozolomide Run3-DMSO	NM_1334	89	SLC26A10	10	-0.65065	Inlier
						solute carrier family 26, member
siRNA Disorazole DMSO Run3	NM_1334	89	SLC26A10	10	-0.086222	Inlier
						solute carrier family 26, member
siRNA-Vinblastine Run2-DMSO	NM_1334	89	SLC26A10	10	0.086222	Inlier
						solute carrier family 26, member
siRNA Disorazole DMSO Run1	NM_1334	89	SLC26A10	10	0.206416	Inlier
						solute carrier family 26, member

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	SLC	Family	Member	Value	Inlier
siRNA Disorazole DMSO Run2	NM_1334	89	SLC26A10	10	10	1.028256	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1334	89	SLC26A10	10	10	1.184121	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0001	12	SLC26A2	2	2	-1.154441	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0001	12	SLC26A2	2	2	-0.88394	Inlier
siRNA Disorazole DMSO Run3	NM_0001	12	SLC26A2	2	2	-0.46506	Inlier
siRNA Disorazole DMSO Run2	NM_0001	12	SLC26A2	2	2	-0.213455	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0001	12	SLC26A2	2	2	0.213455	Inlier
siRNA Disorazole DMSO Run1	NM_0001	12	SLC26A2	2	2	0.406423	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_000112	SLC26A2	solute carrier family 26 (sulfate transporter), member 2	1.732571	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000112	SLC26A2	solute carrier family 26 (sulfate transporter), member 2	2.055115	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000111	SLC26A3	solute carrier family 26, member 3	-1.04705	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000111	SLC26A3	solute carrier family 26, member 3	-0.579542	Inlier
siRNA Disorazole DMSO Run3	NM_000111	SLC26A3	solute carrier family 26, member 3	-0.470316	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000111	SLC26A3	solute carrier family 26, member 3	-0.086241	Inlier
siRNA Disorazole DMSO Run2	NM_000111	SLC26A3	solute carrier family 26, member 3	0.086241	Inlier
siRNA Disorazole DMSO Run1	NM_000111	SLC26A3	solute carrier family 26, member 3	0.769458	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000111	SLC26A3	solute carrier family 26, member 3	1.142289	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000111	SLC26A3	solute carrier family 26, member 3	1.382942	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000441	SLC26A4	solute carrier family 26, member 4	-2.724066	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Value	Category
siRNA-Temozolomide Run1-DMSO	NM_000441	SLC26A4	solute carrier family 26, member 4	-0.576434	Inlier
siRNA Disorazole DMSO Run3	NM_000441	SLC26A4	solute carrier family 26, member 4	-0.257854	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000441	SLC26A4	solute carrier family 26, member 4	-0.005298	Inlier
siRNA Disorazole DMSO Run1	NM_000441	SLC26A4	solute carrier family 26, member 4	0.005298	Inlier
siRNA Disorazole DMSO Run2	NM_000441	SLC26A4	solute carrier family 26, member 4	0.772566	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000441	SLC26A4	solute carrier family 26, member 4	1.259408	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000441	SLC26A4	solute carrier family 26, member 4	1.67423	Inlier
siRNA-Temozolomide Run3-DMSO	NM_134263	SLC26A6	solute carrier family 26, member 6	-0.805703	Inlier
siRNA Disorazole DMSO Run3	NM_134263	SLC26A6	solute carrier family 26, member 6	-0.686863	Inlier
siRNA Disorazole DMSO Run2	NM_134263	SLC26A6	solute carrier family 26, member 6	-0.662137	Inlier
siRNA-Temozolomide Run2-DMSO	NM_134263	SLC26A6	solute carrier family 26, member 6	-0.323509	Inlier
siRNA Disorazole DMSO Run1	NM_134263	SLC26A6	solute carrier family 26, member 6	0.323509	Inlier
siRNA-Temozolomide Run1-DMSO	NM_134263	SLC26A6	solute carrier family 26, member 6	0.355539	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Value	Category
siRNA-Vinblastine Run2-DMSO	NM_134263	SLC26A6	solute carrier family 26, member 6	1.065174	Inlier
siRNA-Vinblastine Run1-DMSO	NM_134263	SLC26A6	solute carrier family 26, member 6	1.256118	Inlier
siRNA-Temozolomide Run3-DMSO	NM_134266	SLC26A7	solute carrier family 26, member 7	-1.934342	Inlier
siRNA-Temozolomide Run2-DMSO	NM_134266	SLC26A7	solute carrier family 26, member 7	-0.515731	Inlier
siRNA Disorazole DMSO Run1	NM_134266	SLC26A7	solute carrier family 26, member 7	-0.070604	Inlier
siRNA Disorazole DMSO Run3	NM_134266	SLC26A7	solute carrier family 26, member 7	-0.068247	Inlier
siRNA-Temozolomide Run1-DMSO	NM_134266	SLC26A7	solute carrier family 26, member 7	0.068247	Inlier
siRNA Disorazole DMSO Run2	NM_134266	SLC26A7	solute carrier family 26, member 7	0.833269	Inlier
siRNA-Vinblastine Run1-DMSO	NM_134266	SLC26A7	solute carrier family 26, member 7	0.942521	Inlier
siRNA-Vinblastine Run2-DMSO	NM_134266	SLC26A7	solute carrier family 26, member 7	1.48106	Inlier
siRNA-Temozolomide Run1-DMSO	NM_138718	SLC26A8	solute carrier family 26, member 8	-1.969809	Inlier
siRNA Disorazole DMSO Run2	NM_138718	SLC26A8	solute carrier family 26, member 8	-0.740658	Inlier
siRNA-Temozolomide Run3-DMSO	NM_138718	SLC26A8	solute carrier family 26, member 8	-0.635199	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Family	Member	Value	Category
siRNA Disorazole DMSO Run1	NM_1387 18	SLC26A8	solute carrier family 26,	member 8	-0.388943	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1387 18	SLC26A8	solute carrier family 26,	member 8	0.388944	Inlier
siRNA Disorazole DMSO Run3	NM_1387 18	SLC26A8	solute carrier family 26,	member 8	0.665957	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1387 18	SLC26A8	solute carrier family 26,	member 8	0.683043	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1387 18	SLC26A8	solute carrier family 26,	member 8	1.216832	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1343 25	SLC26A9	solute carrier family 26,	member 9	-5.638954	Outlier
siRNA-Temozolomide Run1-DMSO	NM_1343 25	SLC26A9	solute carrier family 26,	member 9	-1.465347	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1343 25	SLC26A9	solute carrier family 26,	member 9	-0.105918	Inlier
siRNA Disorazole DMSO Run3	NM_1343 25	SLC26A9	solute carrier family 26,	member 9	-0.060795	Inlier
siRNA Disorazole DMSO Run2	NM_1343 25	SLC26A9	solute carrier family 26,	member 9	0.060795	Inlier
siRNA Disorazole DMSO Run1	NM_1343 25	SLC26A9	solute carrier family 26,	member 9	0.428039	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1343 25	SLC26A9	solute carrier family 26,	member 9	0.920961	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1343 25	SLC26A9	solute carrier family 26,	member 9	2.942875	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log2 Fold Change	Significance
siRNA-Vinblastine Run2-DMSO	NM_003645	SLC27A2	solute carrier family 27 (fatty acid transporter), member 2	1.116732	Inlier
siRNA-Temozolomide Run1-DMSO	NM_024330	SLC27A3	solute carrier family 27 (fatty acid transporter), member 3	-0.813232	Inlier
siRNA Disorazole DMSO Run2	NM_024330	SLC27A3	solute carrier family 27 (fatty acid transporter), member 3	-0.739433	Inlier
siRNA Disorazole DMSO Run3	NM_024330	SLC27A3	solute carrier family 27 (fatty acid transporter), member 3	-0.148042	Inlier
siRNA-Temozolomide Run3-DMSO	NM_024330	SLC27A3	solute carrier family 27 (fatty acid transporter), member 3	-0.041531	Inlier
siRNA Disorazole DMSO Run1	NM_024330	SLC27A3	solute carrier family 27 (fatty acid transporter), member 3	0.041531	Inlier
siRNA-Temozolomide Run2-DMSO	NM_024330	SLC27A3	solute carrier family 27 (fatty acid transporter), member 3	0.609567	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0243 30	SLC27A3	3	1.841334	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0243 30	SLC27A3	3	2.364691	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0050 94	SLC27A4	4	-1.041101	Inlier
siRNA Disorazole DMSO Run2	NM_0050 94	SLC27A4	4	-0.95203	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0050 94	SLC27A4	4	-0.39697	Inlier
siRNA Disorazole DMSO Run1	NM_0050 94	SLC27A4	4	-0.126535	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0050 94	SLC27A4	4	0.126535	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0050 94	SLC27A4	4	0.261492	Inlier
			solute carrier family 27 (fatty acid transporter), member		
siRNA-Vinblastine Run1-DMSO	NM_0050 94	SLC27A4	4	1.061984	Inlier
			solute carrier family 27 (fatty acid transporter), member		
siRNA-Vinblastine Run2-DMSO	NM_0050 94	SLC27A4	4	1.316873	Inlier
			solute carrier family 27 (fatty acid transporter), member		
siRNA-Temozolomide Run3-DMSO	NM_0122 54	SLC27A5	5	-3.933567	Outlier
			solute carrier family 27 (fatty acid transporter), member		
siRNA-Temozolomide Run1-DMSO	NM_0122 54	SLC27A5	5	-1.595088	Inlier
			solute carrier family 27 (fatty acid transporter), member		
siRNA-Temozolomide Run2-DMSO	NM_0122 54	SLC27A5	5	-0.99396	Inlier
			solute carrier family 27 (fatty acid transporter), member		
siRNA-Vinblastine Run1-DMSO	NM_0122 54	SLC27A5	5	-0.224498	Inlier
			solute carrier family 27 (fatty acid transporter), member		

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0122 54	SLC27A5	5	0.224498	Inlier	solute carrier family 27 (fatty acid transporter), member 5
siRNA-Vinblastine Run2-DMSO	NM_0122 54	SLC27A5	5	0.280981	Inlier	solute carrier family 27 (fatty acid transporter), member 5
siRNA Disorazole DMSO Run3	NM_0122 54	SLC27A5	5	0.35504	Inlier	solute carrier family 27 (fatty acid transporter), member 5
siRNA Disorazole DMSO Run2	NM_0122 54	SLC27A5	5	2.366442	Inlier	solute carrier family 27 (fatty acid transporter), member 5
siRNA Disorazole DMSO Run2	NM_0140 31	SLC27A6	6	-1.295878	Inlier	solute carrier family 27 (fatty acid transporter), member 6
siRNA-Temozolomide Run1-DMSO	NM_0140 31	SLC27A6	6	-0.7006	Inlier	solute carrier family 27 (fatty acid transporter), member 6
siRNA Disorazole DMSO Run3	NM_0140 31	SLC27A6	6	-0.6484	Inlier	solute carrier family 27 (fatty acid transporter), member 6

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0140 31	SLC27A6	6	solute carrier family 27 (fatty acid transporter), member 6	-0.190213	Inlier
siRNA Disorazole DMSO Run1	NM_0140 31	SLC27A6	6	solute carrier family 27 (fatty acid transporter), member 6	0.190213	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0140 31	SLC27A6	6	solute carrier family 27 (fatty acid transporter), member 6	0.258177	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0140 31	SLC27A6	6	solute carrier family 27 (fatty acid transporter), member 6	0.755303	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0140 31	SLC27A6	6	solute carrier family 27 (fatty acid transporter), member 6	0.817356	Inlier
siRNA-Temozolomide Run1-DMSO	NM_2016 51	SLC28A1	1	solute carrier family 28 (sodium-coupled nucleoside transporter), member 1	-2.469308	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_2016 51	SLC28A1	1	solute carrier family 28 (sodium-coupled nucleoside transporter), member 1	-1.340578 Inlier
siRNA Disorazole DMSO Run2	NM_2016 51	SLC28A1	1	solute carrier family 28 (sodium-coupled nucleoside transporter), member 1	-1.095734 Inlier
siRNA-Vinblastine Run2-DMSO	NM_2016 51	SLC28A1	1	solute carrier family 28 (sodium-coupled nucleoside transporter), member 1	-0.102949 Inlier
siRNA Disorazole DMSO Run1	NM_2016 51	SLC28A1	1	solute carrier family 28 (sodium-coupled nucleoside transporter), member 1	0.102949 Inlier
siRNA-Temozolomide Run2-DMSO	NM_2016 51	SLC28A1	1	solute carrier family 28 (sodium-coupled nucleoside transporter), member 1	0.40801 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_2016 51	SLC28A1	1	0.620952	Inlier	solute carrier family 28 (sodium-coupled nucleoside transporter), member
siRNA-Vinblastine Run1-DMSO	NM_2016 51	SLC28A1	1	0.728048	Inlier	solute carrier family 28 (sodium-coupled nucleoside transporter), member
siRNA Disorazole DMSO Run2	NM_0042 12	SLC28A2	2	-1.4543	Inlier	solute carrier family 28 (sodium-coupled nucleoside transporter), member
siRNA-Temozolomide Run3-DMSO	NM_0042 12	SLC28A2	2	-1.397714	Inlier	solute carrier family 28 (sodium-coupled nucleoside transporter), member
siRNA Disorazole DMSO Run3	NM_0042 12	SLC28A2	2	-0.605032	Inlier	solute carrier family 28 (sodium-coupled nucleoside transporter), member

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Name	Gene Description	Log Fold Change	Outlier Status
siRNA-Temozolomide Run1-DMSO	NM_004212	SLC28A2	2	solute carrier family 28 (sodium-coupled nucleoside transporter), member 2	-0.344818	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004212	SLC28A2	2	solute carrier family 28 (sodium-coupled nucleoside transporter), member 2	0.344818	Inlier
siRNA Disorazole DMSO Run1	NM_004212	SLC28A2	2	solute carrier family 28 (sodium-coupled nucleoside transporter), member 2	0.401186	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004212	SLC28A2	2	solute carrier family 28 (sodium-coupled nucleoside transporter), member 2	0.743968	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004212	SLC28A2	2	solute carrier family 28 (sodium-coupled nucleoside transporter), member 2	0.823316	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0221 27	SLC28A3	solute carrier family 28 (sodium- coupled nucleoside transporter) , member 3	-1.263446	Inlier
siRNA Disorazole DMSO Run3	NM_0221 27	SLC28A3	solute carrier family 28 (sodium- coupled nucleoside transporter) , member 3	-0.680781	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0221 27	SLC28A3	solute carrier family 28 (sodium- coupled nucleoside transporter) , member 3	-0.668219	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0221 27	SLC28A3	solute carrier family 28 (sodium- coupled nucleoside transporter) , member 3	-0.092181	Inlier
siRNA Disorazole DMSO Run1	NM_0221 27	SLC28A3	solute carrier family 28 (sodium- coupled nucleoside transporter) , member 3	0.092181	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0221 27	SLC28A3	solute carrier family 28 (sodium-coupled nucleoside transporter), member 3	0.367132	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0221 27	SLC28A3	solute carrier family 28 (sodium-coupled nucleoside transporter), member 3	1.36093	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0221 27	SLC28A3	solute carrier family 28 (sodium-coupled nucleoside transporter), member 3	1.496542	Inlier
siRNA Disorazole DMSO Run2	NM_0049 55	SLC29A1	solute carrier family 29 (nucleoside transporters), member 1	-1.324751	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0049 55	SLC29A1	solute carrier family 29 (nucleoside transporters), member 1	-1.279381	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Description	Log Fold Change	Outlier Status
siRNA Disorazole DMSO Run3	SLC29A1	NM_004955	solute carrier family 29 (nucleoside transporters), member 1	-0.61805	Inlier
siRNA Disorazole DMSO Run1	SLC29A1	NM_004955	solute carrier family 29 (nucleoside transporters), member 1	-0.055734	Inlier
siRNA-Temozolomide Run1-DMSO	SLC29A1	NM_004955	solute carrier family 29 (nucleoside transporters), member 1	0.055734	Inlier
siRNA-Vinblastine Run1-DMSO	SLC29A1	NM_004955	solute carrier family 29 (nucleoside transporters), member 1	0.560385	Inlier
siRNA-Vinblastine Run2-DMSO	SLC29A1	NM_004955	solute carrier family 29 (nucleoside transporters), member 1	0.73095	Inlier
siRNA-Temozolomide Run2-DMSO	SLC29A1	NM_004955	solute carrier family 29 (nucleoside transporters), member 1	0.797074	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Description	Log Fold Change	Outlier Status
siRNA-Temozolomide Run3-DMSO	SLC29A2	NM_001532	solute carrier family 29 (nucleoside transporters), member 2	-1.284268	Inlier
siRNA-Temozolomide Run2-DMSO	SLC29A2	NM_001532	solute carrier family 29 (nucleoside transporters), member 2	-0.865418	Inlier
siRNA Disorazole DMSO Run2	SLC29A2	NM_001532	solute carrier family 29 (nucleoside transporters), member 2	-0.384345	Inlier
siRNA Disorazole DMSO Run3	SLC29A2	NM_001532	solute carrier family 29 (nucleoside transporters), member 2	-0.190593	Inlier
siRNA-Temozolomide Run1-DMSO	SLC29A2	NM_001532	solute carrier family 29 (nucleoside transporters), member 2	0.190593	Inlier
siRNA Disorazole DMSO Run1	SLC29A2	NM_001532	solute carrier family 29 (nucleoside transporters), member 2	0.483582	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Score	Category
siRNA-Vinblastine Run1-DMSO	NM_001532	SLC29A2	solute carrier family 29 (nucleoside transporters), member 2	1.01538	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001532	SLC29A2	solute carrier family 29 (nucleoside transporters), member 2	1.098604	Inlier
siRNA-Temozolomide Run1-DMSO	NM_018344	SLC29A3	solute carrier family 29 (nucleoside transporters), member 3	-1.292236	Inlier
siRNA Disorazole DMSO Run2	NM_018344	SLC29A3	solute carrier family 29 (nucleoside transporters), member 3	-1.261244	Inlier
siRNA Disorazole DMSO Run3	NM_018344	SLC29A3	solute carrier family 29 (nucleoside transporters), member 3	-0.155608	Inlier
siRNA-Temozolomide Run3-DMSO	NM_018344	SLC29A3	solute carrier family 29 (nucleoside transporters), member 3	-0.091955	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Description	Log2 Fold Change	Classification
siRNA-Vinblastine Run1-DMSO	NM_018344	SLC29A3	solute carrier family 29 (nucleoside transporters), member 3	0.091955	Inlier
siRNA-Vinblastine Run2-DMSO	NM_018344	SLC29A3	solute carrier family 29 (nucleoside transporters), member 3	0.646752	Inlier
siRNA Disorazole DMSO Run1	NM_018344	SLC29A3	solute carrier family 29 (nucleoside transporters), member 3	0.702248	Inlier
siRNA-Temozolomide Run2-DMSO	NM_018344	SLC29A3	solute carrier family 29 (nucleoside transporters), member 3	0.913733	Inlier
siRNA-Temozolomide Run3-DMSO	NM_153247	SLC29A4	solute carrier family 29 (nucleoside transporters), member 4	-3.821175	Outlier
siRNA-Temozolomide Run1-DMSO	NM_153247	SLC29A4	solute carrier family 29 (nucleoside transporters), member 4	-2.659942	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Gene Name	Log Fold Change	Outlier Status
siRNA Disorazole DMSO Run1	NM_1532	47	SLC29A4	-1.036917	Inlier
siRNA Disorazole DMSO Run2	NM_1532	47	SLC29A4	-0.029891	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1532	47	SLC29A4	0.029891	Inlier
siRNA Disorazole DMSO Run3	NM_1532	47	SLC29A4	0.059185	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1532	47	SLC29A4	0.540885	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1532	47	SLC29A4	0.808115	Inlier

solute carrier family 29 (nucleoside transporters), member 4

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Condition	Run	Gene	Log2FC	Inlier	Gene Description
siRNA Disorazole	DMSO	Run2	SLC2A1	-3.148654	Inlier	solute carrier family 2 (facilitated glucose transporter), member 1
siRNA Disorazole	DMSO	Run3	SLC2A1	-1.002728	Inlier	solute carrier family 2 (facilitated glucose transporter), member 1
siRNA-Temozolomide	DMSO	Run3	SLC2A1	-0.588337	Inlier	solute carrier family 2 (facilitated glucose transporter), member 1
siRNA Disorazole	DMSO	Run1	SLC2A1	-0.268969	Inlier	solute carrier family 2 (facilitated glucose transporter), member 1
siRNA-Vinblastine	DMSO	Run2	SLC2A1	0.26897	Inlier	solute carrier family 2 (facilitated glucose transporter), member 1
siRNA-Temozolomide	DMSO	Run2	SLC2A1	0.476277	Inlier	solute carrier family 2 (facilitated glucose transporter), member 1

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Accession	Value	Outlier Status
siRNA-Temozolomide Run1-DMSO	NM_006516	SLC2A1	1	0.760663	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006516	SLC2A1	1	0.821311	Inlier
siRNA Disorazole DMSO Run2	NM_030777	SLC2A10	10	-1.710655	Inlier
siRNA Disorazole DMSO Run3	NM_030777	SLC2A10	10	-0.786432	Inlier
siRNA-Temozolomide Run3-DMSO	NM_030777	SLC2A10	10	-0.626073	Inlier
siRNA-Temozolomide Run2-DMSO	NM_030777	SLC2A10	10	-0.308458	Inlier

solute carrier family 2 (facilitated glucose transporter), member 1

solute carrier family 2 (facilitated glucose transporter), member 1

solute carrier family 2 (facilitated glucose transporter), member 10

solute carrier family 2 (facilitated glucose transporter), member 10

solute carrier family 2 (facilitated glucose transporter), member 10

solute carrier family 2 (facilitated glucose transporter), member 10

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0307 77	SLC2A10	10	0.308458	Inlier	solute carrier family 2 (facilitated glucose transporter), member 10
siRNA-Vinblastine Run1-DMSO	NM_0307 77	SLC2A10	10	0.610288	Inlier	solute carrier family 2 (facilitated glucose transporter), member 10
siRNA-Vinblastine Run2-DMSO	NM_0307 77	SLC2A10	10	0.722927	Inlier	solute carrier family 2 (facilitated glucose transporter), member 10
siRNA-Temozolomide Run1-DMSO	NM_0307 77	SLC2A10	10	1.784217	Inlier	solute carrier family 2 (facilitated glucose transporter), member 10
siRNA-Temozolomide Run3-DMSO	NM_1451 76	SLC2A12	12	-1.46763	Inlier	solute carrier family 2 (facilitated glucose transporter), member 12

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	SLC	Family	Value	Outlier
siRNA-Temozolomide Run2-DMSO	NM_145176	SLC2A12	12	solute carrier family 2 (facilitated glucose transporter), member 12	-0.807501	Inlier
siRNA Disorazole DMSO Run3	NM_145176	SLC2A12	12	solute carrier family 2 (facilitated glucose transporter), member 12	-0.678052	Inlier
siRNA Disorazole DMSO Run2	NM_145176	SLC2A12	12	solute carrier family 2 (facilitated glucose transporter), member 12	-0.229126	Inlier
siRNA Disorazole DMSO Run1	NM_145176	SLC2A12	12	solute carrier family 2 (facilitated glucose transporter), member 12	0.229126	Inlier
siRNA-Temozolomide Run1-DMSO	NM_145176	SLC2A12	12	solute carrier family 2 (facilitated glucose transporter), member 12	0.281009	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_145176	SLC2A12	solute carrier family 2 (facilitated glucose transporter), member 12	0.670948	Inlier
siRNA-Vinblastine Run2-DMSO	NM_145176	SLC2A12	solute carrier family 2 (facilitated glucose transporter), member 12	0.844679	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000340	SLC2A2	solute carrier family 2 (facilitated glucose transporter), member 2	-1.68564	Inlier
siRNA Disorazole DMSO Run2	NM_000340	SLC2A2	solute carrier family 2 (facilitated glucose transporter), member 2	-1.036428	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000340	SLC2A2	solute carrier family 2 (facilitated glucose transporter), member 2	-0.58997	Inlier
siRNA Disorazole DMSO Run3	NM_000340	SLC2A2	solute carrier family 2 (facilitated glucose transporter), member 2	-0.130419	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Gene	Value	Category
siRNA Disorazole DMSO Run1	SLC2A2	NM_000340	SLC2A2	0.130419	Inlier
siRNA-Temozolomide Run1-DMSO	SLC2A2	NM_000340	SLC2A2	0.612095	Inlier
siRNA-Vinblastine Run1-DMSO	SLC2A2	NM_000340	SLC2A2	0.736905	Inlier
siRNA-Vinblastine Run2-DMSO	SLC2A2	NM_000340	SLC2A2	1.594096	Inlier
siRNA-Temozolomide Run3-DMSO	SLC2A3	NM_006931	SLC2A3	-2.91109	Inlier
siRNA Disorazole DMSO Run3	SLC2A3	NM_006931	SLC2A3	-0.684771	Inlier

solute carrier family 2 (facilitated glucose transporter), member 2
solute carrier family 2 (facilitated glucose transporter), member 2
solute carrier family 2 (facilitated glucose transporter), member 2
solute carrier family 2 (facilitated glucose transporter), member 2
solute carrier family 2 (facilitated glucose transporter), member 3
solute carrier family 2 (facilitated glucose transporter), member 3

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Log2 Fold Change	Annotation
siRNA-Temozolomide Run2-DMSO	NM_006931	SLC2A3	-0.664228	solute carrier family 2 (facilitated glucose transporter), member 3
siRNA Disorazole DMSO Run2	NM_006931	SLC2A3	-0.532169	solute carrier family 2 (facilitated glucose transporter), member 3
siRNA-Vinblastine Run2-DMSO	NM_006931	SLC2A3	0.532171	solute carrier family 2 (facilitated glucose transporter), member 3
siRNA Disorazole DMSO Run1	NM_006931	SLC2A3	0.64921	solute carrier family 2 (facilitated glucose transporter), member 3
siRNA-Vinblastine Run1-DMSO	NM_006931	SLC2A3	1.5101	solute carrier family 2 (facilitated glucose transporter), member 3
siRNA-Temozolomide Run1-DMSO	NM_006931	SLC2A3	3.224352	solute carrier family 2 (facilitated glucose transporter), member 3

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_001042	SLC2A4	solute carrier family 2 (facilitated glucose transporter), member 4	0.74279	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001042	SLC2A4	solute carrier family 2 (facilitated glucose transporter), member 4	0.91661	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003039	SLC2A5	solute carrier family 2 (facilitated glucose/fructose transporter), member 5	-2.726508	Inlier
siRNA Disorazole DMSO Run2	NM_003039	SLC2A5	solute carrier family 2 (facilitated glucose/fructose transporter), member 5	-0.461217	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003039	SLC2A5	solute carrier family 2 (facilitated glucose/fructose transporter), member 5	-0.321593	Inlier
siRNA Disorazole DMSO Run3	NM_003039	SLC2A5	solute carrier family 2 (facilitated glucose/fructose transporter), member 5	-0.036975	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Gene Name	Value	Category
siRNA Disorazole DMSO Run1	SLC2A5	NM_003039	solute carrier family 2 (facilitated glucose/fructose transporter), member 5	0.036976	Inlier
siRNA-Temozolomide Run1-DMSO	SLC2A5	NM_003039	solute carrier family 2 (facilitated glucose/fructose transporter), member 5	0.887783	Inlier
siRNA-Vinblastine Run1-DMSO	SLC2A5	NM_003039	solute carrier family 2 (facilitated glucose/fructose transporter), member 5	0.891397	Inlier
siRNA-Vinblastine Run2-DMSO	SLC2A5	NM_003039	solute carrier family 2 (facilitated glucose transporter), member 5	0.976629	Inlier
siRNA-Temozolomide Run3-DMSO	SLC2A6	NM_017585	solute carrier family 2 (facilitated glucose transporter), member 6	-1.230545	Inlier
siRNA-Temozolomide Run2-DMSO	SLC2A6	NM_017585	solute carrier family 2 (facilitated glucose transporter), member 6	-0.73787	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Symbol	Gene Description	Log Fold Change	Outlier Status
siRNA Disorazole DMSO Run2	SLC2A6	NM_017585	SLC2A6	solute carrier family 2 (facilitated glucose transporter), member 6	-0.361467	Inlier
siRNA Disorazole DMSO Run3	SLC2A6	NM_017585	SLC2A6	solute carrier family 2 (facilitated glucose transporter), member 6	-0.184866	Inlier
siRNA Disorazole DMSO Run1	SLC2A6	NM_017585	SLC2A6	solute carrier family 2 (facilitated glucose transporter), member 6	0.184866	Inlier
siRNA-Temozolomide Run1-DMSO	SLC2A6	NM_017585	SLC2A6	solute carrier family 2 (facilitated glucose transporter), member 6	0.61113	Inlier
siRNA-Vinblastine Run1-DMSO	SLC2A6	NM_017585	SLC2A6	solute carrier family 2 (facilitated glucose transporter), member 6	0.813169	Inlier
siRNA-Vinblastine Run2-DMSO	SLC2A6	NM_017585	SLC2A6	solute carrier family 2 (facilitated glucose transporter), member 6	1.185698	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Correlation	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_014580	SLC2A8	solute carrier family 2, (facilitated glucose transporter) member 8	-0.900939	Inlier
siRNA Disorazole DMSO Run2	NM_014580	SLC2A8	solute carrier family 2, (facilitated glucose transporter) member 8	-0.74341	Inlier
siRNA Disorazole DMSO Run1	NM_014580	SLC2A8	solute carrier family 2, (facilitated glucose transporter) member 8	-0.566285	Inlier
siRNA Disorazole DMSO Run3	NM_014580	SLC2A8	solute carrier family 2, (facilitated glucose transporter) member 8	-0.303386	Inlier
siRNA-Temozolomide Run2-DMSO	NM_014580	SLC2A8	solute carrier family 2, (facilitated glucose transporter) member 8	0.303386	Inlier
siRNA-Vinblastine Run1-DMSO	NM_014580	SLC2A8	solute carrier family 2, (facilitated glucose transporter) member 8	0.60559	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Score	Outlier Status
siRNA-Temozolomide Run1-DMSO	NM_014580	SLC2A8	solute carrier family 2, (facilitated glucose transporter) member 8	0.809875	Inlier
siRNA-Vinblastine Run2-DMSO	NM_014580	SLC2A8	solute carrier family 2, (facilitated glucose transporter) member 8	1.127345	Inlier
siRNA-Temozolomide Run3-DMSO	NM_00101290	SLC2A9	solute carrier family 2 (facilitated glucose transporter), member 9	-0.843526	Inlier
siRNA Disorazole DMSO Run3	NM_00101290	SLC2A9	solute carrier family 2 (facilitated glucose transporter), member 9	-0.713503	Inlier
siRNA Disorazole DMSO Run2	NM_00101290	SLC2A9	solute carrier family 2 (facilitated glucose transporter), member 9	-0.635497	Inlier
siRNA-Temozolomide Run2-DMSO	NM_00101290	SLC2A9	solute carrier family 2 (facilitated glucose transporter), member 9	-0.267924	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Gene Name	Value	Outlier Status
siRNA Disorazole DMSO Run1	SLC2A9	NM_01290	solute carrier family 2 (facilitated glucose transporter), member 9	0.267924	Inlier
siRNA-Temozolomide Run1-DMSO	SLC2A9	NM_01290	solute carrier family 2 (facilitated glucose transporter), member 9	0.608491	Inlier
siRNA-Vinblastine Run1-DMSO	SLC2A9	NM_01290	solute carrier family 2 (facilitated glucose transporter), member 9	0.952779	Inlier
siRNA-Vinblastine Run2-DMSO	SLC2A9	NM_01290	solute carrier family 2 (facilitated glucose transporter), member 9	1.659164	Inlier
siRNA-Temozolomide Run3-DMSO	SLC30A1	NM_021194	solute carrier family 30 (zinc transporter), member 1	-1.766949	Inlier
siRNA-Temozolomide Run1-DMSO	SLC30A1	NM_021194	solute carrier family 30 (zinc transporter), member 1	-1.644593	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0211 94	SLC30A1	1	-0.573877	Inlier	solute carrier family 30 (zinc transporter), member 1
siRNA Disorazole DMSO Run3	NM_0211 94	SLC30A1	1	-0.185989	Inlier	solute carrier family 30 (zinc transporter), member 1
siRNA Disorazole DMSO Run1	NM_0211 94	SLC30A1	1	0.185991	Inlier	solute carrier family 30 (zinc transporter), member 1
siRNA-Temozolomide Run2-DMSO	NM_0211 94	SLC30A1	1	0.631036	Inlier	solute carrier family 30 (zinc transporter), member 1
siRNA-Vinblastine Run2-DMSO	NM_0211 94	SLC30A1	1	0.717963	Inlier	solute carrier family 30 (zinc transporter), member 1
siRNA-Vinblastine Run1-DMSO	NM_0211 94	SLC30A1	1	1.831236	Inlier	solute carrier family 30 (zinc transporter), member 1
siRNA-Temozolomide Run3-DMSO	NM_0325 13	SLC30A2	2	-1.970056	Inlier	solute carrier family 30 (zinc transporter), member 2

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0325 13	SLC30A2	2	-0.574129	Inlier	solute carrier family 30 (zinc transporter), member 2
siRNA-Temozolomide Run2-DMSO	NM_0325 13	SLC30A2	2	-0.556089	Inlier	solute carrier family 30 (zinc transporter), member 2
siRNA-Temozolomide Run1-DMSO	NM_0325 13	SLC30A2	2	-0.545387	Inlier	solute carrier family 30 (zinc transporter), member 2
siRNA Disorazole DMSO Run1	NM_0325 13	SLC30A2	2	0.545387	Inlier	solute carrier family 30 (zinc transporter), member 2
siRNA-Vinblastine Run1-DMSO	NM_0325 13	SLC30A2	2	0.774871	Inlier	solute carrier family 30 (zinc transporter), member 2
siRNA Disorazole DMSO Run3	NM_0325 13	SLC30A2	2	0.819034	Inlier	solute carrier family 30 (zinc transporter), member 2
siRNA-Vinblastine Run2-DMSO	NM_0325 13	SLC30A2	2	1.715328	Inlier	solute carrier family 30 (zinc transporter), member 2

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Protein	Value	Category
siRNA-Vinblastine Run2-DMSO	NM_003459	SLC30A3	solute carrier family 30 (zinc transporter), member 3	1.023617	Inlier
siRNA-Temozolomide Run3-DMSO	NM_013309	SLC30A4	solute carrier family 30 (zinc transporter), member 4	-2.694062	Inlier
siRNA Disorazole DMSO Run2	NM_013309	SLC30A4	solute carrier family 30 (zinc transporter), member 4	-0.692796	Inlier
siRNA Disorazole DMSO Run3	NM_013309	SLC30A4	solute carrier family 30 (zinc transporter), member 4	-0.624135	Inlier
siRNA-Temozolomide Run1-DMSO	NM_013309	SLC30A4	solute carrier family 30 (zinc transporter), member 4	-0.004785	Inlier
siRNA-Temozolomide Run2-DMSO	NM_013309	SLC30A4	solute carrier family 30 (zinc transporter), member 4	0.004785	Inlier
siRNA Disorazole DMSO Run1	NM_013309	SLC30A4	solute carrier family 30 (zinc transporter), member 4	0.656204	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_013309	SLC30A4	4	1.921801	Inlier
			4		
siRNA-Vinblastine Run1-DMSO	NM_013309	SLC30A4	4	2.18586	Inlier
			4		
siRNA-Temozolomide Run1-DMSO	NM_024055	SLC30A5	5	-1.772001	Inlier
			5		
siRNA-Temozolomide Run3-DMSO	NM_024055	SLC30A5	5	-1.497225	Inlier
			5		
siRNA Disorazole DMSO Run2	NM_024055	SLC30A5	5	-0.811267	Inlier
			5		
siRNA Disorazole DMSO Run1	NM_024055	SLC30A5	5	-0.305842	Inlier
			5		
siRNA Disorazole DMSO Run3	NM_024055	SLC30A5	5	0.305843	Inlier
			5		

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Log2 Fold Change	Annotation
siRNA-Temozolomide Run2-DMSO	NM_024055	SLC30A5	0.390656	Inlier solute carrier family 30 (zinc transporter), member 5
siRNA-Vinblastine Run2-DMSO	NM_024055	SLC30A5	0.537733	Inlier solute carrier family 30 (zinc transporter), member 5
siRNA-Vinblastine Run1-DMSO	NM_024055	SLC30A5	1.071819	Inlier solute carrier family 30 (zinc transporter), member 5
siRNA Disorazole DMSO Run2	NM_133496	SLC30A7	-1.044434	Inlier solute carrier family 30 (zinc transporter), member 7
siRNA-Temozolomide Run3-DMSO	NM_133496	SLC30A7	-0.735642	Inlier solute carrier family 30 (zinc transporter), member 7
siRNA Disorazole DMSO Run3	NM_133496	SLC30A7	-0.531332	Inlier solute carrier family 30 (zinc transporter), member 7
siRNA-Temozolomide Run2-DMSO	NM_133496	SLC30A7	-0.175703	Inlier solute carrier family 30 (zinc transporter), member 7

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_1334 96	SLC30A7	7	0.175703	Inlier
			7		
siRNA Disorazole DMSO Run1	NM_1334 96	SLC30A7	7	0.613358	Inlier
			7		
siRNA-Vinblastine Run1-DMSO	NM_1334 96	SLC30A7	7	0.852987	Inlier
			7		
siRNA-Vinblastine Run2-DMSO	NM_1334 96	SLC30A7	7	1.158144	Inlier
			7		
siRNA-Temozolomide Run3-DMSO	NM_1738 51	SLC30A8	8	-1.745148	Inlier
			8		
siRNA-Temozolomide Run1-DMSO	NM_1738 51	SLC30A8	8	-0.329568	Inlier
			8		
siRNA Disorazole DMSO Run2	NM_1738 51	SLC30A8	8	-0.267776	Inlier
			8		

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_1738 51	SLC30A8	solute carrier family 30 (zinc transporter), member 8	-0.004936	Inlier
siRNA Disorazole DMSO Run3	NM_1738 51	SLC30A8	solute carrier family 30 (zinc transporter), member 8	0.004936	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1738 51	SLC30A8	solute carrier family 30 (zinc transporter), member 8	1.019432	Inlier
siRNA Disorazole DMSO Run1	NM_1738 51	SLC30A8	solute carrier family 30 (zinc transporter), member 8	1.043307	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1738 51	SLC30A8	solute carrier family 31 (copper transporter), member 1	1.482889	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0018 59	SLC31A1	solute carrier family 31 (copper transporter), member 1	-1.343901	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0018 59	SLC31A1	solute carrier family 31 (copper transporter), member 1	-0.88962	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Gene Name	Member	Log Fold Change	Outlier Type
siRNA Disorazole DMSO Run3	SLC31A1	NM_001859	SLC31A1	member 1	-0.566994	Inlier
siRNA Disorazole DMSO Run1	SLC31A1	NM_001859	SLC31A1	member 1	-0.08925	Inlier
siRNA-Vinblastine Run2-DMSO	SLC31A1	NM_001859	SLC31A1	member 1	0.08925	Inlier
siRNA-Temozolomide Run2-DMSO	SLC31A1	NM_001859	SLC31A1	member 1	0.508931	Inlier
siRNA Disorazole DMSO Run2	SLC31A1	NM_001859	SLC31A1	member 1	0.782006	Inlier
siRNA-Vinblastine Run1-DMSO	SLC31A1	NM_001859	SLC31A1	member 1	1.165912	Inlier
siRNA-Temozolomide Run3-DMSO	SLC31A2	NM_001860	SLC31A2	member 2	-2.057201	Inlier

solute carrier family 31 (copper transporters),

solute carrier family 31 (copper transporters),

solute carrier family 31 (copper transporters),

solute carrier family 31 (copper transporters),

solute carrier family 31 (copper transporters),

solute carrier family 31 (copper transporters),

solute carrier family 31 (copper transporters),

solute carrier family 31 (copper transporters),

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	siRNA	siRNA	siRNA	siRNA	siRNA	siRNA	siRNA	siRNA	siRNA
siRNA Disorazole	DMSO	Run3	60	NM_0018	SLC31A2	member 2	-0.889374	Inlier	solute carrier family 31 (copper transporters), member 2
siRNA-Temozolomide	DMSO	Run2-	60	NM_0018	SLC31A2	member 2	-0.592446	Inlier	solute carrier family 31 (copper transporters), member 2
siRNA Disorazole	DMSO	Run2	60	NM_0018	SLC31A2	member 2	-0.04841	Inlier	solute carrier family 31 (copper transporters), member 2
siRNA-Temozolomide	DMSO	Run1-	60	NM_0018	SLC31A2	member 2	0.04841	Inlier	solute carrier family 31 (copper transporters), member 2
siRNA Disorazole	DMSO	Run1	60	NM_0018	SLC31A2	member 2	0.27499	Inlier	solute carrier family 31 (copper transporters), member 2
siRNA-Vinblastine	DMSO	Run2-	60	NM_0018	SLC31A2	member 2	0.756554	Inlier	solute carrier family 31 (copper transporters), member 2
siRNA-Vinblastine	DMSO	Run1-	60	NM_0018	SLC31A2	member 2	0.879267	Inlier	solute carrier family 31 (copper transporters), member 2

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Gene	Value	Category
siRNA-Temozolomide Run3-DMSO	NM_004733	SLC33A1	solute carrier family 33 (acetyl-CoA transporter), member 1	-2.288213	Inlier
siRNA Disorazole DMSO Run2	NM_004733	SLC33A1	solute carrier family 33 (acetyl-CoA transporter), member 1	-0.898923	Inlier
siRNA Disorazole DMSO Run3	NM_004733	SLC33A1	solute carrier family 33 (acetyl-CoA transporter), member 1	-0.856926	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004733	SLC33A1	solute carrier family 33 (acetyl-CoA transporter), member 1	-0.046176	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004733	SLC33A1	solute carrier family 33 (acetyl-CoA transporter), member 1	0.046176	Inlier
siRNA Disorazole DMSO Run1	NM_004733	SLC33A1	solute carrier family 33 (acetyl-CoA transporter), member 1	0.08012	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_004733	SLC33A1	solute carrier family 33 (acetyl-CoA transporter), member 1	0.492074	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004733	SLC33A1	solute carrier family 33 (acetyl-CoA transporter), member 1	0.871583	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003052	SLC34A1	solute carrier family 34 (sodium phosphate), member 1	-0.817158	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003052	SLC34A1	solute carrier family 34 (sodium phosphate), member 1	-0.678465	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003052	SLC34A1	solute carrier family 34 (sodium phosphate), member 1	-0.670535	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003052	SLC34A1	solute carrier family 34 (sodium phosphate), member 1	-0.100794	Inlier
siRNA Disorazole DMSO Run1	NM_003052	SLC34A1	solute carrier family 34 (sodium phosphate), member 1	0.100794	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Gene ID	Family	Value	Outlier
siRNA Disorazole DMSO Run3	NM_0030	52	SLC34A1	1	0.10777	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0030	52	SLC34A1	1	0.722533	Inlier
siRNA Disorazole DMSO Run2	NM_0030	52	SLC34A1	1	0.806076	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0064	24	SLC34A2	2	-3.282748	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0064	24	SLC34A2	2	-1.649202	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0064	24	SLC34A2	2	-1.087514	Inlier
siRNA Disorazole DMSO Run1	NM_0064	24	SLC34A2	2	-0.180606	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0064 24	SLC34A2	solute carrier family 34 (sodium phosphate), member 2	0.180606	Inlier
siRNA Disorazole DMSO Run2	NM_0064 24	SLC34A2	solute carrier family 34 (sodium phosphate), member 2	0.25333	Inlier
siRNA Disorazole DMSO Run3	NM_0064 24	SLC34A2	solute carrier family 34 (sodium phosphate), member 2	0.558594	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0064 24	SLC34A2	solute carrier family 34 (sodium phosphate), member 2	0.790406	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0064 16	SLC35A1	solute carrier family 35 (CMP-sialic acid transporter), member A1	-1.330094	Inlier
siRNA Disorazole DMSO Run2	NM_0064 16	SLC35A1	solute carrier family 35 (CMP-sialic acid transporter), member A1	-0.94294	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0064 16	SLC35A1	solute carrier family 35 (CMP-sialic acid transporter), member A1	-0.31987	Inlier
siRNA Disorazole DMSO Run3	NM_0064 16	SLC35A1	solute carrier family 35 (CMP-sialic acid transporter), member A1	-0.302815	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0064 16	SLC35A1	solute carrier family 35 (CMP-sialic acid transporter), member A1	0.302815	Inlier
siRNA Disorazole DMSO Run1	NM_0064 16	SLC35A1	solute carrier family 35 (CMP-sialic acid transporter), member A1	0.40606	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0064 16	SLC35A1	solute carrier family 35 (CMP-sialic acid transporter), member A1	0.978399	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_006416	SLC35A1	solute carrier family 35 (CMP-sialic acid transporter), member A1	0.983001	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005660	SLC35A2	solute carrier family 35 (UDP-galactose transporter), member A2	-1.537803	Inlier
siRNA Disorazole DMSO Run2	NM_005660	SLC35A2	solute carrier family 35 (UDP-galactose transporter), member A2	-0.834686	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005660	SLC35A2	solute carrier family 35 (UDP-galactose transporter), member A2	-0.817385	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005660	SLC35A2	solute carrier family 35 (UDP-galactose transporter), member A2	-0.032854	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0056 60	SLC35A2	solute carrier family 35 (UDP-galactose transporter), member A2	0.032854	Inlier
siRNA Disorazole DMSO Run1	NM_0056 60	SLC35A2	solute carrier family 35 (UDP-galactose transporter), member A2	0.140474	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0056 60	SLC35A2	solute carrier family 35 (UDP-galactose transporter), member A2	0.606471	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0056 60	SLC35A2	solute carrier family 35 (UDP-galactose transporter), member A2	0.742529	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0122 43	SLC35A3	solute carrier family 35 (UDP-N-acetylglucosamine (UDP-GlcNAc) transporter), member A3	-1.144159	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0122 43	SLC35A3	solute carrier family 35 (UDP-N-acetylglucosamine (UDP-GlcNAc) transporter), member A3	-0.854866	Inlier
siRNA Disorazole DMSO Run3	NM_0122 43	SLC35A3	solute carrier family 35 (UDP-N-acetylglucosamine (UDP-GlcNAc) transporter), member A3	-0.749252	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0122 43	SLC35A3	solute carrier family 35 (UDP-N-acetylglucosamine (UDP-GlcNAc) transporter), member A3	-0.105629	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0122 43	SLC35A3	solute carrier family 35 (UDP-N-acetylglucosamine (UDP-GlcNAc) transporter), member A3	0.105629	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0122 43	SLC35A3	solute carrier family 35 (UDP-N-acetylglucosamine (UDP-GlcNAc) transporter), member A3	0.316796	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0122 43	SLC35A3	solute carrier family 35 (UDP-N-acetylglucosamine (UDP-GlcNAc) transporter), member A3	0.599748	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0122 43	SLC35A3	solute carrier family 35 (UDP-N-acetylglucosamine (UDP-GlcNAc) transporter), member A3	0.969506	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1730 73	SLC35C2	solute carrier family 35, member C2	-1.016289	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1730 73	SLC35C2	solute carrier family 35, member C2	-0.739068	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1730 73	SLC35C2	solute carrier family 35, member C2	-0.201917	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_1730 73	SLC35C2	solute carrier family 35, member C2	-0.196789	Inlier
siRNA Disorazole DMSO Run3	NM_1730 73	SLC35C2	solute carrier family 35, member C2	0.196789	Inlier
siRNA Disorazole DMSO Run1	NM_1730 73	SLC35C2	solute carrier family 35, member C2	0.609932	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1730 73	SLC35C2	solute carrier family 35, member C2	1.626573	Inlier
siRNA Disorazole DMSO Run2	NM_1730 73	SLC35C2	solute carrier family 35, member C2	2.377415	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0189 64	SLC37A1	solute carrier family 37 (glycerol-3-phosphate transporter), member 1	-0.95327	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0189 64	SLC37A1	solute carrier family 37 (glycerol-3-phosphate transporter), member 1	-0.879071	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0189 64	SLC37A1	1	solute carrier family 37 (glycerol-3-phosphate transporter), member	-0.469929	Inlier
siRNA Disorazole DMSO Run3	NM_0189 64	SLC37A1	1	solute carrier family 37 (glycerol-3-phosphate transporter), member	-0.204153	Inlier
siRNA Disorazole DMSO Run1	NM_0189 64	SLC37A1	1	solute carrier family 37 (glycerol-3-phosphate transporter), member	0.204153	Inlier
siRNA Disorazole DMSO Run2	NM_0189 64	SLC37A1	1	solute carrier family 37 (glycerol-3-phosphate transporter), member	0.247428	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0189 64	SLC37A1	1	solute carrier family 37 (glycerol-3-phosphate transporter), member	0.948928	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_018964	SLC37A1	1	1.27819	Inlier
					solute carrier family 37 (glycerol-3-phosphate transporter), member
siRNA-Temozolomide Run3-DMSO	NM_198277	SLC37A2	2	-1.410706	Inlier
					solute carrier family 37 (glycerol-3-phosphate transporter), member
siRNA Disorazole DMSO Run3	NM_198277	SLC37A2	2	-0.766835	Inlier
					solute carrier family 37 (glycerol-3-phosphate transporter), member
siRNA-Temozolomide Run2-DMSO	NM_198277	SLC37A2	2	-0.621917	Inlier
					solute carrier family 37 (glycerol-3-phosphate transporter), member
siRNA Disorazole DMSO Run1	NM_198277	SLC37A2	2	-0.016094	Inlier
					solute carrier family 37 (glycerol-3-phosphate transporter), member

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_1982 77	SLC37A2	2	0.016094	Inlier	solute carrier family 37 (glycerol-3-phosphate transporter), member 2
siRNA-Temozolomide Run1-DMSO	NM_1982 77	SLC37A2	2	0.48188	Inlier	solute carrier family 37 (glycerol-3-phosphate transporter), member 2
siRNA-Vinblastine Run1-DMSO	NM_1982 77	SLC37A2	2	0.727083	Inlier	solute carrier family 37 (glycerol-3-phosphate transporter), member 2
siRNA-Vinblastine Run2-DMSO	NM_1982 77	SLC37A2	2	1.740827	Inlier	solute carrier family 37 (glycerol-3-phosphate transporter), member 2
siRNA-Temozolomide Run3-DMSO	NM_2071 13	SLC37A3	3	-1.618384	Inlier	solute carrier family 37 (glycerol-3-phosphate transporter), member 3

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_2071 13	SLC37A3	3	solute carrier family 37 (glycerol-3-phosphate transporter), member 3	-1.583366	Inlier
siRNA Disorazole DMSO Run2	NM_2071 13	SLC37A3	3	solute carrier family 37 (glycerol-3-phosphate transporter), member 3	-0.340873	Inlier
siRNA Disorazole DMSO Run1	NM_2071 13	SLC37A3	3	solute carrier family 37 (glycerol-3-phosphate transporter), member 3	-0.191184	Inlier
siRNA-Temozolomide Run2-DMSO	NM_2071 13	SLC37A3	3	solute carrier family 37 (glycerol-3-phosphate transporter), member 3	0.191184	Inlier
siRNA-Vinblastine Run1-DMSO	NM_2071 13	SLC37A3	3	solute carrier family 37 (glycerol-3-phosphate transporter), member 3	0.560132	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_2071 13	SLC37A3	3	solute carrier family 37 (glycerol-3-phosphate transporter), member 3	0.788868	Inlier
siRNA-Vinblastine Run2-DMSO	NM_2071 13	SLC37A3	3	solute carrier family 37 (glycerol-3-phosphate transporter), member 3	0.926628	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0014 67	SLC37A4	4	solute carrier family 37 (glycerol-6-phosphate transporter), member 4	-0.998977	Inlier
siRNA Disorazole DMSO Run3	NM_0014 67	SLC37A4	4	solute carrier family 37 (glycerol-6-phosphate transporter), member 4	-0.758693	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0014 67	SLC37A4	4	solute carrier family 37 (glycerol-6-phosphate transporter), member 4	-0.566044	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0014 67	SLC37A4	4	solute carrier family 37 (glycerol-6-phosphate transporter), member 4	-0.500393 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0014 67	SLC37A4	4	solute carrier family 37 (glycerol-6-phosphate transporter), member 4	0.500393 Inlier
siRNA Disorazole DMSO Run1	NM_0014 67	SLC37A4	4	solute carrier family 37 (glycerol-6-phosphate transporter), member 4	0.590307 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0014 67	SLC37A4	4	solute carrier family 37 (glycerol-6-phosphate transporter), member 4	0.861317 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0014 67	SLC37A4	4	solute carrier family 37 (glycerol-6-phosphate transporter), member 4	1.015764 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Family	Member	Value	Outlier
siRNA-Temozolomide Run3-DMSO	NM_018976	SLC38A2	solute carrier family 38,	member 2	-1.122617	Inlier
siRNA Disorazole DMSO Run2	NM_018976	SLC38A2	solute carrier family 38,	member 2	-1.050042	Inlier
siRNA-Temozolomide Run2-DMSO	NM_018976	SLC38A2	solute carrier family 38,	member 2	-0.576283	Inlier
siRNA-Temozolomide Run1-DMSO	NM_018976	SLC38A2	solute carrier family 38,	member 2	-0.015482	Inlier
siRNA Disorazole DMSO Run3	NM_018976	SLC38A2	solute carrier family 38,	member 2	0.015482	Inlier
siRNA Disorazole DMSO Run1	NM_018976	SLC38A2	solute carrier family 38,	member 2	0.222933	Inlier
siRNA-Vinblastine Run1-DMSO	NM_018976	SLC38A2	solute carrier family 38,	member 2	0.772717	Inlier
siRNA-Vinblastine Run2-DMSO	NM_018976	SLC38A2	solute carrier family 38,	member 2	0.967584	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006841	SLC38A3	solute carrier family 38,	member 3	-1.123793	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006841	SLC38A3	solute carrier family 38,	member 3	-0.701467	Inlier
siRNA Disorazole DMSO Run3	NM_006841	SLC38A3	solute carrier family 38,	member 3	-0.399381	Inlier
siRNA Disorazole DMSO Run2	NM_006841	SLC38A3	solute carrier family 38,	member 3	-0.242436	Inlier
siRNA Disorazole DMSO Run1	NM_006841	SLC38A3	solute carrier family 38,	member 3	0.242436	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Gene ID	Gene Name	Gene Description	Score	Category
siRNA-Temozolomide Run1-DMSO	NM_006841	SLC38A3	family 38, member 3	solute carrier family 38, member 3	0.647533	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006841	SLC38A3	family 38, member 3	solute carrier family 38, member 3	0.959086	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006841	SLC38A3	family 38, member 3	solute carrier family 38, member 3	1.056975	Inlier
siRNA Disorazole DMSO Run2	NM_014437	SLC39A1	family 39 (zinc transporter), member 1	solute carrier family 39 (zinc transporter), member 1	-8.312512	Outlier
siRNA-Temozolomide Run3-DMSO	NM_014437	SLC39A1	family 39 (zinc transporter), member 1	solute carrier family 39 (zinc transporter), member 1	-7.578315	Outlier
siRNA-Temozolomide Run2-DMSO	NM_014437	SLC39A1	family 39 (zinc transporter), member 1	solute carrier family 39 (zinc transporter), member 1	-0.576876	Inlier
siRNA-Vinblastine Run1-DMSO	NM_014437	SLC39A1	family 39 (zinc transporter), member 1	solute carrier family 39 (zinc transporter), member 1	-0.173095	Inlier
siRNA Disorazole DMSO Run1	NM_014437	SLC39A1	family 39 (zinc transporter), member 1	solute carrier family 39 (zinc transporter), member 1	0.173095	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0144 37	SLC39A1	1	0.388859	Inlier
			solute carrier family 39 (zinc transporter), member 1		
siRNA Disorazole DMSO Run3	NM_0144 37	SLC39A1	1	0.772124	Inlier
			solute carrier family 39 (zinc transporter), member 1		
siRNA-Vinblastine Run2-DMSO	NM_0144 37	SLC39A1	1	6.067576	Outlier
			solute carrier family 39 (zinc transporter), member 1		
siRNA-Temozolomide Run3-DMSO	NM_0145 79	SLC39A2	2	-2.55433	Inlier
			solute carrier family 39 (zinc transporter), member 2		
siRNA-Temozolomide Run2-DMSO	NM_0145 79	SLC39A2	2	-1.626121	Inlier
			solute carrier family 39 (zinc transporter), member 2		
siRNA-Temozolomide Run1-DMSO	NM_0145 79	SLC39A2	2	-1.040047	Inlier
			solute carrier family 39 (zinc transporter), member 2		
siRNA Disorazole DMSO Run1	NM_0145 79	SLC39A2	2	-0.17802	Inlier
			solute carrier family 39 (zinc transporter), member 2		

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0145 79	SLC39A2	2	0.17802	Inlier	solute carrier family 39 (zinc transporter), member 2
siRNA Disorazole DMSO Run3	NM_0145 79	SLC39A2	2	0.216506	Inlier	solute carrier family 39 (zinc transporter), member 2
siRNA-Vinblastine Run2-DMSO	NM_0145 79	SLC39A2	2	0.308953	Inlier	solute carrier family 39 (zinc transporter), member 2
siRNA-Vinblastine Run1-DMSO	NM_0145 79	SLC39A2	2	1.24126	Inlier	solute carrier family 39 (zinc transporter), member 2
siRNA-Temozolomide Run3-DMSO	NM_1445 64	SLC39A3	3	-2.311963	Inlier	solute carrier family 39 (zinc transporter), member 3
siRNA-Temozolomide Run2-DMSO	NM_1445 64	SLC39A3	3	-1.066435	Inlier	solute carrier family 39 (zinc transporter), member 3
siRNA-Temozolomide Run1-DMSO	NM_1445 64	SLC39A3	3	-0.919581	Inlier	solute carrier family 39 (zinc transporter), member 3

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Accession	Value	Category
siRNA Disorazole DMSO Run1	NM_1445 64	SLC39A3	3	-0.042325	Inlier
siRNA Disorazole DMSO Run3	NM_1445 64	SLC39A3	3	0.042325	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1445 64	SLC39A3	3	0.404275	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1445 64	SLC39A3	3	0.429419	Inlier
siRNA Disorazole DMSO Run2	NM_1445 64	SLC39A3	3	1.255193	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1308 49	SLC39A4	4	-5.296488	Outlier
siRNA Disorazole DMSO Run3	NM_1308 49	SLC39A4	4	-0.68366	Inlier

solute
carrier
family 39
(zinc
transporter

), member

3

solute
carrier
family 39
(zinc
transporter

), member

3

solute
carrier
family 39
(zinc
transporter

), member

3

solute
carrier
family 39
(zinc
transporter

), member

3

solute
carrier
family 39
(zinc
transporter

), member

3

solute
carrier
family 39
(zinc
transporter

), member

3

solute
carrier
family 39
(zinc
transporter

), member

3

solute
carrier
family 39
(zinc
transporter

), member

3

solute
carrier
family 39
(zinc
transporter

), member

3

solute
carrier
family 39
(zinc
transporter

), member

3

solute
carrier
family 39
(zinc
transporter

), member

4

solute
carrier
family 39
(zinc
transporter

), member

4

solute
carrier
family 39
(zinc
transporter

), member

4

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_1308 49	SLC39A4	4	solite carrier family 39 (zinc transporter) , member	-0.66534	Inlier
siRNA Disorazole DMSO Run1	NM_1308 49	SLC39A4	4	solite carrier family 39 (zinc transporter) , member	-0.467475	Inlier
siRNA Disorazole DMSO Run2	NM_1308 49	SLC39A4	4	solite carrier family 39 (zinc transporter) , member	0.467475	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1308 49	SLC39A4	4	solite carrier family 39 (zinc transporter) , member	0.60407	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1308 49	SLC39A4	4	solite carrier family 39 (zinc transporter) , member	1.049744	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1308 49	SLC39A4	4	solite carrier family 39 (zinc transporter) , member	1.118962	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0221 54	SLC39A8	8	solite carrier family 39 (zinc transporter) , member	-3.45407	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_000341	SLC3A1	solute carrier family 3 (cystine, dibasic and neutral amino acid transporters, activator of cystine, dibasic and neutral amino acid transport), member 1	-2.37158	Inlier
------------------------------	-----------	--------	--	----------	--------

siRNA Disorazole DMSO Run2	NM_000341	SLC3A1	solute carrier family 3 (cystine, dibasic and neutral amino acid transporters, activator of cystine, dibasic and neutral amino acid transport), member 1	-0.830963	Inlier
----------------------------	-----------	--------	--	-----------	--------

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	41	NM_0003	SLC3A1	solute carrier family 3 (cystine, dibasic and neutral amino acid transporters, activator of cystine, dibasic and neutral amino acid transport), member 1	-0.306103	Inlier
----------------------------	----	---------	--------	--	-----------	--------

siRNA-Temozolomide Run1-DMSO	41	NM_0003	SLC3A1	solute carrier family 3 (cystine, dibasic and neutral amino acid transporters, activator of cystine, dibasic and neutral amino acid transport), member 1	-0.113005	Inlier
------------------------------	----	---------	--------	--	-----------	--------

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_000341	SLC3A1	solute carrier family 3 (cystine, dibasic and neutral amino acid transporters, activator of cystine, dibasic and neutral amino acid transport), member 1	0.113005	Inlier
------------------------------	-----------	--------	--	----------	--------

siRNA Disorazole DMSO Run1	NM_000341	SLC3A1	solute carrier family 3 (cystine, dibasic and neutral amino acid transporters, activator of cystine, dibasic and neutral amino acid transport), member 1	0.580408	Inlier
----------------------------	-----------	--------	--	----------	--------

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_000341	SLC3A1	solute carrier family 3 (cystine, dibasic and neutral amino acid transporters, activator of cystine, dibasic and neutral amino acid transport), member 1	0.768592 Inlier
-----------------------------	-----------	--------	--	-----------------

siRNA-Vinblastine Run1-DMSO	NM_000341	SLC3A1	solute carrier family 3 (cystine, dibasic and neutral amino acid transporters, activator of cystine, dibasic and neutral amino acid transport), member 1	0.920841 Inlier
-----------------------------	-----------	--------	--	-----------------

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0010 12664	SLC3A2	solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2	-0.733034	Inlier
siRNA Disorazole DMSO Run3	NM_0010 12664	SLC3A2	solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2	-0.615966	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 12664	SLC3A2	solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2	-0.613727	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 12664	SLC3A2	solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2	-0.40523	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0010 12664	SLC3A2	solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2	0.40523	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 12664	SLC3A2	solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2	1.248353	Inlier
siRNA Disorazole DMSO Run2	NM_0010 12664	SLC3A2	solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2	2.264718	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 12664	SLC3A2	solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2	3.034986	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0145 85	SLC40A1	solute carrier family 40 (iron-regulated transporter), member 1	-6.007053	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Gene Name	Value	Category
siRNA-Temozolomide Run1-DMSO	NM_014585	SLC40A1	solute carrier family 40 (iron-regulated transporter), member 1	-1.338281	Inlier
siRNA-Temozolomide Run2-DMSO	NM_014585	SLC40A1	solute carrier family 40 (iron-regulated transporter), member 1	-0.706813	Inlier
siRNA Disorazole DMSO Run3	NM_014585	SLC40A1	solute carrier family 40 (iron-regulated transporter), member 1	-0.183121	Inlier
siRNA Disorazole DMSO Run1	NM_014585	SLC40A1	solute carrier family 40 (iron-regulated transporter), member 1	0.183121	Inlier
siRNA-Vinblastine Run2-DMSO	NM_014585	SLC40A1	solute carrier family 40 (iron-regulated transporter), member 1	0.561577	Inlier
siRNA-Vinblastine Run1-DMSO	NM_014585	SLC40A1	solute carrier family 40 (iron-regulated transporter), member 1	0.642187	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Drug	Run	Gene	Log2FC	Inlier
siRNA Disorazole	DMSO	Run2	SLC40A1	3.006222	Inlier
siRNA-Temozolomide	DMSO	Run3	SLC4A1	-2.692504	Inlier
siRNA-Temozolomide	DMSO	Run1	SLC4A1	-0.869008	Inlier

solute carrier family 40 (iron-regulated transporter), member 1

solute carrier family 4, anion exchanger, member 1 (erythrocyte membrane protein band 3, Diego blood group)

solute carrier family 4, anion exchanger, member 1 (erythrocyte membrane protein band 3, Diego blood group)

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0003 42	SLC4A1	solute carrier family 4, anion exchanger, member 1 (erythrocyte membrane protein band 3, Diego blood group)	-0.69159	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0003 42	SLC4A1	solute carrier family 4, anion exchanger, member 1 (erythrocyte membrane protein band 3, Diego blood group)	-0.275804	Inlier
siRNA Disorazole DMSO Run3	NM_0003 42	SLC4A1	solute carrier family 4, anion exchanger, member 1 (erythrocyte membrane protein band 3, Diego blood group)	0.275804	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA	Gene	Gene Symbol	Score	Category
siRNA-Vinblastine Run1-DMSO	NM_000342	SLC4A1	0.434677	Inlier
siRNA Disorazole DMSO Run2	NM_000342	SLC4A1	0.65741	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000342	SLC4A1	1.032939	Inlier

solute carrier family 4, anion exchanger, member 1 (erythrocyte membrane protein band 3, Diego blood group) solute carrier family 4, anion exchanger, member 1 (erythrocyte membrane protein band 3, Diego blood group) solute carrier family 4, anion exchanger, member 1 (erythrocyte membrane protein band 3, Diego blood group)

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Name	Log2 Fold Change	Outlier Status
siRNA-Temozolomide Run1-DMSO	SLC4A10	NM_022058	solute carrier family 4, sodium bicarbonate transporter-like, member 10	-2.433625	Inlier
siRNA-Temozolomide Run3-DMSO	SLC4A10	NM_022058	solute carrier family 4, sodium bicarbonate transporter-like, member 10	-1.973451	Inlier
siRNA-Vinblastine Run1-DMSO	SLC4A10	NM_022058	solute carrier family 4, sodium bicarbonate transporter-like, member 10	-0.670081	Inlier
siRNA Disorazole DMSO Run1	SLC4A10	NM_022058	solute carrier family 4, sodium bicarbonate transporter-like, member 10	-0.10876	Inlier
siRNA-Vinblastine Run2-DMSO	SLC4A10	NM_022058	solute carrier family 4, sodium bicarbonate transporter-like, member 10	0.108761	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Gene ID	Gene Description	Value	Category
siRNA-Temozolomide Run2-DMSO	SLC4A10	NM_022058	solute carrier family 4, sodium bicarbonate transporter-like, member 10	0.115923	Inlier
siRNA Disorazole DMSO Run3	SLC4A10	NM_022058	solute carrier family 4, sodium bicarbonate transporter-like, member 10	0.678919	Inlier
siRNA Disorazole DMSO Run2	SLC4A10	NM_022058	solute carrier family 4, sodium bicarbonate transporter-like, member 10	1.473905	Inlier
siRNA-Temozolomide Run3-DMSO	SLC4A11	NM_032034	solute carrier family 4, sodium bicarbonate transporter-like, member 11	-4.408958	Outlier
siRNA-Temozolomide Run1-DMSO	SLC4A11	NM_032034	solute carrier family 4, sodium bicarbonate transporter-like, member 11	-1.417649	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Run	Gene	Accession	Gene ID	Value	Outlier
siRNA Disorazole DMSO	Run1	SLC4A11	NM_032034	11	-0.509592	Inlier
siRNA-Vinblastine DMSO	Run1	SLC4A11	NM_032034	11	-0.048875	Inlier
siRNA-Vinblastine DMSO	Run2	SLC4A11	NM_032034	11	0.048875	Inlier
siRNA Disorazole DMSO	Run2	SLC4A11	NM_032034	11	0.615552	Inlier
siRNA Disorazole DMSO	Run3	SLC4A11	NM_032034	11	0.733448	Inlier

solute carrier family 4, sodium bicarbonate transporter-like, member

solute carrier family 4, sodium bicarbonate transporter-like, member

solute carrier family 4, sodium bicarbonate transporter-like, member

solute carrier family 4, sodium bicarbonate transporter-like, member

solute carrier family 4, sodium bicarbonate transporter-like, member

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_032034	SLC4A11	solute carrier family 4, sodium bicarbonate transporter-like, member 11	1.466069	Inlier
siRNA-Vinblastine Run2-DMSO	NM_018158	SLC4A1A P	solute carrier family 4 (anion exchanger), member 1, adaptor protein	-0.837167	Inlier
siRNA-Temozolomide Run2-DMSO	NM_018158	SLC4A1A P	solute carrier family 4 (anion exchanger), member 1, adaptor protein	-0.686221	Inlier
siRNA-Temozolomide Run1-DMSO	NM_018158	SLC4A1A P	solute carrier family 4 (anion exchanger), member 1, adaptor protein	-0.317752	Inlier
siRNA Disorazole DMSO Run1	NM_018158	SLC4A1A P	solute carrier family 4 (anion exchanger), member 1, adaptor protein	-0.134939	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0181 58	SLC4A1A P	solute carrier family 4 (anion exchanger), member 1, adaptor protein	0.134939	Inlier
siRNA Disorazole DMSO Run2	NM_0181 58	SLC4A1A P	solute carrier family 4 (anion exchanger), member 1, adaptor protein	0.662779	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0181 58	SLC4A1A P	solute carrier family 4 (anion exchanger), member 1, adaptor protein	0.702005	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0181 58	SLC4A1A P	solute carrier family 4 (anion exchanger), member 1, adaptor protein	1.206576	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0030 40	SLC4A2	solute carrier family 4, anion exchanger, member 2 (erythrocyte membrane protein band 3-like 1)	-1.969388	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	40	NM_0030	SLC4A2	solute carrier family 4, anion exchanger, member 2 (erythrocyte membrane protein band 3-like 1)	-1.655442	Inlier
siRNA Disorazole DMSO Run2	40	NM_0030	SLC4A2	solute carrier family 4, anion exchanger, member 2 (erythrocyte membrane protein band 3-like 1)	-1.501608	Inlier
siRNA-Temozolomide DMSO Run2-	40	NM_0030	SLC4A2	solute carrier family 4, anion exchanger, member 2 (erythrocyte membrane protein band 3-like 1)	-0.210412	Inlier
siRNA-Temozolomide DMSO Run1-	40	NM_0030	SLC4A2	solute carrier family 4, anion exchanger, member 2 (erythrocyte membrane protein band 3-like 1)	0.210412	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0030 40	SLC4A2	solute carrier family 4, anion exchanger, member 2 (erythrocyte membrane protein band 3-like 1)	0.338181	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0030 40	SLC4A2	solute carrier family 4, anion exchanger, member 2 (erythrocyte membrane protein band 3-like 1)	0.614036	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0030 40	SLC4A2	solute carrier family 4, anion exchanger, member 2 (erythrocyte membrane protein band 3-like 1)	0.734964	Inlier
siRNA-Temozolomide Run3-DMSO	NM_2015 74	SLC4A3	solute carrier family 4, anion exchanger, member 3	-1.251463	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_2015 74	SLC4A3	3	-1.076188	Inlier	solute carrier family 4, anion exchanger, member
siRNA-Temozolomide Run1-DMSO	NM_2015 74	SLC4A3	3	-0.62378	Inlier	solute carrier family 4, anion exchanger, member
siRNA Disorazole DMSO Run2	NM_2015 74	SLC4A3	3	-0.021672	Inlier	solute carrier family 4, anion exchanger, member
siRNA-Temozolomide Run2-DMSO	NM_2015 74	SLC4A3	3	0.021672	Inlier	solute carrier family 4, anion exchanger, member
siRNA-Vinblastine Run2-DMSO	NM_2015 74	SLC4A3	3	0.616773	Inlier	solute carrier family 4, anion exchanger, member
siRNA Disorazole DMSO Run1	NM_2015 74	SLC4A3	3	0.72522	Inlier	solute carrier family 4, anion exchanger, member
siRNA-Vinblastine Run1-DMSO	NM_2015 74	SLC4A3	3	1.456608	Inlier	solute carrier family 4, anion exchanger, member

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log Fold Change	Outlier Status
siRNA-Temozolomide Run1-DMSO	NM_003759	SLC4A4	solute carrier family 4, sodium bicarbonate cotransporter, member 4	-1.901426	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003759	SLC4A4	solute carrier family 4, sodium bicarbonate cotransporter, member 4	-1.87721	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003759	SLC4A4	solute carrier family 4, sodium bicarbonate cotransporter, member 4	-0.810975	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003759	SLC4A4	solute carrier family 4, sodium bicarbonate cotransporter, member 4	-0.334598	Inlier
siRNA Disorazole DMSO Run3	NM_003759	SLC4A4	solute carrier family 4, sodium bicarbonate cotransporter, member 4	0.334598	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0037 59	SLC4A4	solute carrier family 4, sodium bicarbonate cotransporter, member 4	0.400365	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0037 59	SLC4A4	solute carrier family 4, sodium bicarbonate cotransporter, member 4	0.538025	Inlier
siRNA Disorazole DMSO Run2	NM_0037 59	SLC4A4	solute carrier family 4, sodium bicarbonate cotransporter, member 4	4.378788	Outlier
siRNA-Temozolomide Run3-DMSO	NM_1334 79	SLC4A5	solute carrier family 4, sodium bicarbonate cotransporter, member 5	-2.57197	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1334 79	SLC4A5	solute carrier family 4, sodium bicarbonate cotransporter, member 5	-0.655075	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Name	Log Fold Change	Outlier Status
siRNA Disorazole DMSO Run1	SLC4A5	NM_133479	solute carrier family 4, sodium bicarbonate cotransporter, member 5	-0.074838	Inlier
siRNA Disorazole DMSO Run2	SLC4A5	NM_133479	solute carrier family 4, sodium bicarbonate cotransporter, member 5	-0.037815	Inlier
siRNA-Temozolomide Run2-DMSO	SLC4A5	NM_133479	solute carrier family 4, sodium bicarbonate cotransporter, member 5	0.037814	Inlier
siRNA-Vinblastine Run2-DMSO	SLC4A5	NM_133479	solute carrier family 4, sodium bicarbonate cotransporter, member 5	0.693925	Inlier
siRNA Disorazole DMSO Run3	SLC4A5	NM_133479	solute carrier family 4, sodium bicarbonate cotransporter, member 5	1.4156	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_133479	SLC4A5	solute carrier family 4, sodium bicarbonate cotransporter, member 5	2.087689	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003615	SLC4A7	solute carrier family 4, sodium bicarbonate cotransporter, member 7	-1.41896	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003615	SLC4A7	solute carrier family 4, sodium bicarbonate cotransporter, member 7	-0.738519	Inlier
siRNA Disorazole DMSO Run3	NM_003615	SLC4A7	solute carrier family 4, sodium bicarbonate cotransporter, member 7	-0.592931	Inlier
siRNA Disorazole DMSO Run2	NM_003615	SLC4A7	solute carrier family 4, sodium bicarbonate cotransporter, member 7	-0.449668	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0036 15	SLC4A7	solute carrier family 4, sodium bicarbonate cotransporter, member 7	0.449668	Inlier
siRNA Disorazole DMSO Run1	NM_0036 15	SLC4A7	solute carrier family 4, sodium bicarbonate cotransporter, member 7	0.610481	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0036 15	SLC4A7	solute carrier family 4, sodium bicarbonate cotransporter, member 7	1.424847	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0036 15	SLC4A7	solute carrier family 4, sodium bicarbonate cotransporter, member 7	2.017029	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0048 58	SLC4A8	solute carrier family 4, sodium bicarbonate cotransporter, member 8	-2.895841	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Name	Log Fold Change	Outlier Status
siRNA Disorazole DMSO Run3	SLC4A8	NM_004858	solute carrier family 4, sodium bicarbonate cotransporter, member 8	-1.06652	Inlier
siRNA-Temozolomide Run1-DMSO	SLC4A8	NM_004858	solute carrier family 4, sodium bicarbonate cotransporter, member 8	-0.387772	Inlier
siRNA-Temozolomide Run2-DMSO	SLC4A8	NM_004858	solute carrier family 4, sodium bicarbonate cotransporter, member 8	-0.370487	Inlier
siRNA Disorazole DMSO Run2	SLC4A8	NM_004858	solute carrier family 4, sodium bicarbonate cotransporter, member 8	0.370487	Inlier
siRNA-Vinblastine Run1-DMSO	SLC4A8	NM_004858	solute carrier family 4, sodium bicarbonate cotransporter, member 8	0.571143	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0048 58	SLC4A8	solute carrier family 4, sodium bicarbonate cotransporter, member 8	0.777857	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0048 58	SLC4A8	solute carrier family 4, sodium bicarbonate cotransporter, member 8	0.89609	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0314 67	SLC4A9	solute carrier family 4, sodium bicarbonate cotransporter, member 9	-2.531014	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0314 67	SLC4A9	solute carrier family 4, sodium bicarbonate cotransporter, member 9	-1.487652	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0314 67	SLC4A9	solute carrier family 4, sodium bicarbonate cotransporter, member 9	-0.341112	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Name	Log Fold Change	Outlier Status
siRNA-Vinblastine Run2-DMSO	SLC4A9	NM_031467	solute carrier family 4, sodium bicarbonate cotransporter, member 9	-0.090199	Inlier
siRNA Disorazole DMSO Run2	SLC4A9	NM_031467	solute carrier family 4, sodium bicarbonate cotransporter, member 9	0.0902	Inlier
siRNA Disorazole DMSO Run1	SLC4A9	NM_031467	solute carrier family 4, sodium bicarbonate cotransporter, member 9	0.183568	Inlier
siRNA-Vinblastine Run1-DMSO	SLC4A9	NM_031467	solute carrier family 4, sodium bicarbonate cotransporter, member 9	1.007888	Inlier
siRNA Disorazole DMSO Run3	SLC4A9	NM_031467	solute carrier family 4, sodium bicarbonate cotransporter, member 9	1.46844	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Gene	Log Fold Change	Outlier Status
siRNA Disorazole DMSO Run3	SLC5A1	NM_000343	SLC5A1	-2.662199	Inlier
siRNA-Temozolomide Run3-DMSO	SLC5A1	NM_000343	SLC5A1	-1.74289	Inlier
siRNA-Temozolomide Run2-DMSO	SLC5A1	NM_000343	SLC5A1	-1.173349	Inlier
siRNA-Vinblastine Run2-DMSO	SLC5A1	NM_000343	SLC5A1	-0.12805	Inlier
siRNA Disorazole DMSO Run2	SLC5A1	NM_000343	SLC5A1	0.128049	Inlier
siRNA Disorazole DMSO Run1	SLC5A1	NM_000343	SLC5A1	0.186126	Inlier

solute carrier family 5 (sodium/glucose cotransporter), member 1

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Name	Log Fold Change	Outlier Status
siRNA-Vinblastine Run1-DMSO	NM_000343	SLC5A1	solute carrier family 5 (sodium/glucose cotransporter), member 1	0.191206	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000343	SLC5A1	solute carrier family 5 (sodium/glucose cotransporter), member 1	1.157794	Inlier
siRNA-Temozolomide Run3-DMSO	NM_152351	SLC5A10	solute carrier family 5 (sodium/glucose cotransporter), member 10	-1.323375	Inlier
siRNA Disorazole DMSO Run2	NM_152351	SLC5A10	solute carrier family 5 (sodium/glucose cotransporter), member 10	-0.706641	Inlier
siRNA Disorazole DMSO Run3	NM_152351	SLC5A10	solute carrier family 5 (sodium/glucose cotransporter), member 10	-0.365712	Inlier
siRNA-Temozolomide Run2-DMSO	NM_152351	SLC5A10	solute carrier family 5 (sodium/glucose cotransporter), member 10	-0.268138	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Gene	Gene	Value	Outlier
siRNA Disorazole DMSO Run1	NM_1523	51	SLC5A10	10	0.268138	Inlier
				10		
siRNA-Vinblastine Run1-DMSO	NM_1523	51	SLC5A10	10	0.642359	Inlier
				10		
siRNA-Vinblastine Run2-DMSO	NM_1523	51	SLC5A10	10	0.995855	Inlier
				10		
siRNA-Temozolomide Run1-DMSO	NM_1523	51	SLC5A10	10	0.998925	Inlier
				10		
siRNA-Temozolomide Run3-DMSO	NM_0529	44	SLC5A11	11	-2.879642	Inlier

solute carrier family 5 (sodium/glucose cotransporter), member

solute carrier family 5 (sodium/glucose cotransporter), member

solute carrier family 5 (sodium/glucose cotransporter), member

solute carrier family 5 (sodium/glucose cotransporter), member

solute carrier family 5 (sodium/glucose cotransporter), member

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Accession	Log Fold Change	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_052944	SLC5A11	11	-2.369161	Inlier
siRNA Disorazole DMSO Run3	NM_052944	SLC5A11	11	-1.697249	Inlier
siRNA-Vinblastine Run1-DMSO	NM_052944	SLC5A11	11	-0.131054	Inlier
siRNA Disorazole DMSO Run2	NM_052944	SLC5A11	11	0.131054	Inlier
siRNA Disorazole DMSO Run1	NM_052944	SLC5A11	11	0.206239	Inlier

solute carrier family 5 (sodium/glucose cotransporter), member 11

solute carrier family 5 (sodium/glucose cotransporter), member 11

solute carrier family 5 (sodium/glucose cotransporter), member 11

solute carrier family 5 (sodium/glucose cotransporter), member 11

solute carrier family 5 (sodium/glucose cotransporter), member 11

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Accession	Score	Category
siRNA-Temozolomide Run1-DMSO	NM_052944	SLC5A11	11	0.597626	Inlier
siRNA-Vinblastine Run2-DMSO	NM_052944	SLC5A11	11	0.751374	Inlier
siRNA-Temozolomide Run3-DMSO	NM_178498	SLC5A12	12	-1.890782	Inlier
siRNA-Temozolomide Run2-DMSO	NM_178498	SLC5A12	12	-0.965305	Inlier
siRNA-Temozolomide Run1-DMSO	NM_178498	SLC5A12	12	-0.383695	Inlier

solute carrier family 5 (sodium/glucose cotransporter), member

solute carrier family 5 (sodium/glucose cotransporter), member

solute carrier family 5 (sodium/glucose cotransporter), member

solute carrier family 5 (sodium/glucose cotransporter), member

solute carrier family 5 (sodium/glucose cotransporter), member

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Gene ID	Score	Category
siRNA Disorazole DMSO Run3	SLC5A12	NM_1784	12	-0.176178	Inlier
siRNA Disorazole DMSO Run2	SLC5A12	NM_1784	12	0.176177	Inlier
siRNA Disorazole DMSO Run1	SLC5A12	NM_1784	12	0.313367	Inlier
siRNA-Vinblastine Run1-DMSO	SLC5A12	NM_1784	12	0.983254	Inlier
siRNA-Vinblastine Run2-DMSO	SLC5A12	NM_1784	12	1.085795	Inlier

solute carrier family 5 (sodium/glucose cotransporter), member

solute carrier family 5 (sodium/glucose cotransporter), member

solute carrier family 5 (sodium/glucose cotransporter), member

solute carrier family 5 (sodium/glucose cotransporter), member

solute carrier family 5 (sodium/glucose cotransporter), member

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Run	Gene	Log2 Fold Change	Category
siRNA-Temozolomide	Run2-DMSO	SLC5A2	-1.169712	Inlier
siRNA Disorazole	Run1-DMSO	SLC5A2	-0.577403	Inlier
siRNA-Temozolomide	Run3-DMSO	SLC5A2	-0.219766	Inlier
siRNA-Temozolomide	Run1-DMSO	SLC5A2	-0.07489	Inlier
siRNA Disorazole	Run3-DMSO	SLC5A2	0.074891	Inlier
siRNA-Vinblastine	Run2-DMSO	SLC5A2	0.771597	Inlier

solute carrier family 5 (sodium/glucose cotransporter),

member 2

solute carrier family 5 (sodium/glucose cotransporter),

member 2

solute carrier family 5 (sodium/glucose cotransporter),

member 2

solute carrier family 5 (sodium/glucose cotransporter),

member 2

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Name	Score	Outlier Status
siRNA-Vinblastine Run1-DMSO	SLC5A2	NM_003041	solute carrier family 5 (sodium/glucose cotransporter), member 2	0.788185	Inlier
siRNA Disorazole DMSO Run2	SLC5A2	NM_003041	solute carrier family 5 (sodium/glucose cotransporter), member 2	1.684334	Inlier
siRNA-Temozolomide Run3-DMSO	SLC5A3	NM_006933	solute carrier family 5 (inositol transporters), member 3	-1.548741	Inlier
siRNA-Temozolomide Run2-DMSO	SLC5A3	NM_006933	solute carrier family 5 (inositol transporters), member 3	-1.315155	Inlier
siRNA Disorazole DMSO Run3	SLC5A3	NM_006933	solute carrier family 5 (inositol transporters), member 3	-0.468659	Inlier
siRNA Disorazole DMSO Run2	SLC5A3	NM_006933	solute carrier family 5 (inositol transporters), member 3	-0.10492	Inlier
siRNA-Temozolomide Run1-DMSO	SLC5A3	NM_006933	solute carrier family 5 (inositol transporters), member 3	0.10492	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Log2 Fold Change	Classification
siRNA Disorazole DMSO Run1	NM_006933	SLC5A3	0.453591	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006933	SLC5A3	0.880341	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006933	SLC5A3	1.564372	Inlier
siRNA-Temozolomide Run2-DMSO	NM_014227	SLC5A4	-4.298621	Outlier
siRNA Disorazole DMSO Run1	NM_014227	SLC5A4	-2.323066	Inlier
siRNA-Temozolomide Run1-DMSO	NM_014227	SLC5A4	-0.299605	Inlier

solute carrier family 5 (inositol transporter s),

member 3

solute carrier family 5 (inositol transporter s),

member 3

solute carrier family 5 (low affinity glucose cotransporter),

member 4

solute carrier family 5 (low affinity glucose cotransporter),

member 4

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Name	Score	Outlier
siRNA Disorazole DMSO Run3	SLC5A4	NM_014227	solute carrier family 5 (low affinity glucose cotransporter), member 4	-0.000309	Inlier
siRNA Disorazole DMSO Run2	SLC5A4	NM_014227	solute carrier family 5 (low affinity glucose cotransporter), member 4	0.000308	Inlier
siRNA-Vinblastine Run1-DMSO	SLC5A4	NM_014227	solute carrier family 5 (low affinity glucose cotransporter), member 4	0.62582	Inlier
siRNA-Vinblastine Run2-DMSO	SLC5A4	NM_014227	solute carrier family 5 (low affinity glucose cotransporter), member 4	0.72318	Inlier
siRNA-Temozolomide Run3-DMSO	SLC5A4	NM_014227	solute carrier family 5 (low affinity glucose cotransporter), member 4	0.892414	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_000453	SLC5A5	solute carrier family 5 (sodium iodide symporter), member 5	0.799347	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000453	SLC5A5	solute carrier family 5 (sodium iodide symporter), member 5	1.026654	Inlier
siRNA-Temozolomide Run1-DMSO	NM_021095	SLC5A6	solute carrier family 5 (sodium-dependent vitamin transporter), member 6	-0.716722	Inlier
siRNA Disorazole DMSO Run2	NM_021095	SLC5A6	solute carrier family 5 (sodium-dependent vitamin transporter), member 6	-0.632278	Inlier
siRNA-Temozolomide Run3-DMSO	NM_021095	SLC5A6	solute carrier family 5 (sodium-dependent vitamin transporter), member 6	-0.104159	Inlier
siRNA Disorazole DMSO Run1	NM_021095	SLC5A6	solute carrier family 5 (sodium-dependent vitamin transporter), member 6	-0.070382	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Name	Value	Category
siRNA Disorazole DMSO Run3	SLC5A6	NM_021095	solute carrier family 5 (sodium-dependent vitamin transporter), member 6	0.070382	Inlier
siRNA-Vinblastine Run2-DMSO	SLC5A6	NM_021095	solute carrier family 5 (sodium-dependent vitamin transporter), member 6	0.936354	Inlier
siRNA-Vinblastine Run1-DMSO	SLC5A6	NM_021095	solute carrier family 5 (sodium-dependent vitamin transporter), member 6	1.072187	Inlier
siRNA-Temozolomide Run2-DMSO	SLC5A6	NM_021095	solute carrier family 5 (choline transporter), member 6	2.443983	Inlier
siRNA-Temozolomide Run3-DMSO	SLC5A7	NM_021815	solute carrier family 5 (choline transporter), member 7	-4.578078	Outlier
siRNA-Temozolomide Run1-DMSO	SLC5A7	NM_021815	solute carrier family 5 (choline transporter), member 7	-1.914791	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0218 15	SLC5A7	7	-0.50251	Inlier	solute carrier family 5 (choline transporter), member 7
siRNA Disorazole DMSO Run2	NM_0218 15	SLC5A7	7	-0.200225	Inlier	solute carrier family 5 (choline transporter), member 7
siRNA-Vinblastine Run1-DMSO	NM_0218 15	SLC5A7	7	0.200225	Inlier	solute carrier family 5 (choline transporter), member 7
siRNA Disorazole DMSO Run1	NM_0218 15	SLC5A7	7	0.24415	Inlier	solute carrier family 5 (choline transporter), member 7
siRNA-Vinblastine Run2-DMSO	NM_0218 15	SLC5A7	7	0.846489	Inlier	solute carrier family 5 (choline transporter), member 7
siRNA-Temozolomide Run2-DMSO	NM_0218 15	SLC5A7	7	1.36314	Inlier	solute carrier family 5 (iodide transporter), member 7
siRNA-Temozolomide Run1-DMSO	NM_1459 13	SLC5A8	8	-1.081232	Inlier	solute carrier family 5 (iodide transporter), member 8

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log2 Fold Change	Category
siRNA-Temozolomide Run3-DMSO	NM_003042	SLC6A1	solute carrier family 6 (neurotransmitter transporter, GABA), member 1	-1.268882	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003042	SLC6A1	solute carrier family 6 (neurotransmitter transporter, GABA), member 1	-0.980922	Inlier
siRNA Disorazole DMSO Run3	NM_003042	SLC6A1	solute carrier family 6 (neurotransmitter transporter, GABA), member 1	-0.145412	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003042	SLC6A1	solute carrier family 6 (neurotransmitter transporter, GABA), member 1	-0.011288	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003042	SLC6A1	solute carrier family 6 (neurotransmitter transporter, GABA), member 1	0.011287	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003042	SLC6A1	solute carrier family 6 (neurotransmitter transporter, GABA), member 1	0.533109	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0030 42	SLC6A1	solute carrier family 6 (neurotransmitter transporter, GABA), member 1	0.815891	Inlier
siRNA Disorazole DMSO Run1	NM_0030 42	SLC6A1	solute carrier family 6 (neurotransmitter transporter, GABA), member 1	0.827925	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0142 29	SLC6A11	solute carrier family 6 (neurotransmitter transporter, GABA), member 11	-4.678971	Outlier
siRNA-Temozolomide Run1-DMSO	NM_0142 29	SLC6A11	solute carrier family 6 (neurotransmitter transporter, GABA), member 11	-1.85598	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0142 29	SLC6A11	solute carrier family 6 (neurotransmitter transporter, GABA), member 11	-0.71692	Inlier
siRNA Disorazole DMSO Run2	NM_0142 29	SLC6A11	solute carrier family 6 (neurotransmitter transporter, GABA), member 11	-0.170361	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0142 29	SLC6A11	11	0.17036	Inlier
			solute carrier family 6 (neurotransmitter transporter, GABA), member		
siRNA Disorazole DMSO Run1	NM_0142 29	SLC6A11	11	0.482928	Inlier
			solute carrier family 6 (neurotransmitter transporter, GABA), member		
siRNA-Vinblastine Run1-DMSO	NM_0142 29	SLC6A11	11	0.63208	Inlier
			solute carrier family 6 (neurotransmitter transporter, GABA), member		
siRNA-Vinblastine Run2-DMSO	NM_0142 29	SLC6A11	11	1.330103	Inlier
			solute carrier family 6 (neurotransmitter transporter, betaine/GABA), member		
siRNA-Temozolomide Run3-DMSO	NM_0030 44	SLC6A12	12	-2.213192	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

				solute carrier family 6 (neurotransmitter transporter, betaine/GABA), member	
siRNA-Temozolomide Run1-DMSO	NM_003044	SLC6A12	12	-0.773884	Inlier
				solute carrier family 6 (neurotransmitter transporter, betaine/GABA), member	
siRNA-Temozolomide Run2-DMSO	NM_003044	SLC6A12	12	-0.388337	Inlier
				solute carrier family 6 (neurotransmitter transporter, betaine/GABA), member	
siRNA Disorazole DMSO Run3	NM_003044	SLC6A12	12	-0.26825	Inlier
				solute carrier family 6 (neurotransmitter transporter, betaine/GABA), member	
siRNA Disorazole DMSO Run1	NM_003044	SLC6A12	12	0.268249	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Gene ID	Gene Description	Log2 Fold Change	Classification
siRNA Disorazole DMSO Run2	SLC6A12	NM_003044	12	solute carrier family 6 (neurotransmitter transporter, betaine/GABA), member 12	0.575116	Inlier
siRNA-Vinblastine Run2-DMSO	SLC6A12	NM_003044	12	solute carrier family 6 (neurotransmitter transporter, betaine/GABA), member 12	0.777242	Inlier
siRNA-Vinblastine Run1-DMSO	SLC6A12	NM_003044	12	solute carrier family 6 (neurotransmitter transporter, betaine/GABA), member 12	1.151603	Inlier
siRNA-Temozolomide Run3-DMSO	SLC6A13	NM_016615	13	solute carrier family 6 (neurotransmitter transporter, GABA), member 13	-3.729909	Outlier
siRNA-Temozolomide Run1-DMSO	SLC6A13	NM_016615	13	solute carrier family 6 (neurotransmitter transporter, GABA), member 13	-0.940989	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Gene ID	Value	Category
siRNA Disorazole DMSO Run2	SLC6A13	NM_0166	13	-0.629481	Inlier
siRNA-Temozolomide Run2-DMSO	SLC6A13	NM_0166	13	-0.232042	Inlier
siRNA Disorazole DMSO Run3	SLC6A13	NM_0166	13	0.232041	Inlier
siRNA Disorazole DMSO Run1	SLC6A13	NM_0166	13	0.274467	Inlier
siRNA-Vinblastine Run2-DMSO	SLC6A13	NM_0166	13	0.719519	Inlier

solute carrier family 6 (neurotransmitter transporter, GABA), member 13

solute carrier family 6 (neurotransmitter transporter, GABA), member 13

solute carrier family 6 (neurotransmitter transporter, GABA), member 13

solute carrier family 6 (neurotransmitter transporter, GABA), member 13

solute carrier family 6 (neurotransmitter transporter, GABA), member 13

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0166 15	SLC6A13	13	0.897921	Inlier	solute carrier family 6 (neurotransmitter transporter, GABA), member
siRNA Disorazole DMSO Run2	NM_0072 31	SLC6A14	14	-1.515267	Inlier	solute carrier family 6 (neurotransmitter transporter), member
siRNA-Temozolomide Run3-DMSO	NM_0072 31	SLC6A14	14	-1.122317	Inlier	solute carrier family 6 (neurotransmitter transporter), member
siRNA Disorazole DMSO Run3	NM_0072 31	SLC6A14	14	-0.12556	Inlier	solute carrier family 6 (neurotransmitter transporter), member
siRNA-Temozolomide Run1-DMSO	NM_0072 31	SLC6A14	14	-0.021084	Inlier	solute carrier family 6 (neurotransmitter transporter), member

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0072 31	SLC6A14	solute carrier family 6 (neurotransmitter transporter), member 14	0.021084	Inlier
siRNA Disorazole DMSO Run1	NM_0072 31	SLC6A14	solute carrier family 6 (neurotransmitter transporter), member 14	0.322644	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0072 31	SLC6A14	solute carrier family 6 (neurotransmitter transporter), member 14	1.026356	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0072 31	SLC6A14	solute carrier family 6 (neurotransmitter transporter), member 14	1.226446	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1827 67	SLC6A15	solute carrier family 6 (neurotransmitter transporter), member 15	-1.081958	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_1827 67	SLC6A15	15	-0.774906	Inlier	solute carrier family 6 (neurotransmitter transporter), member 15
siRNA Disorazole DMSO Run2	NM_1827 67	SLC6A15	15	-0.574094	Inlier	solute carrier family 6 (neurotransmitter transporter), member 15
siRNA-Temozolomide Run2-DMSO	NM_1827 67	SLC6A15	15	-0.369758	Inlier	solute carrier family 6 (neurotransmitter transporter), member 15
siRNA-Temozolomide Run1-DMSO	NM_1827 67	SLC6A15	15	0.369758	Inlier	solute carrier family 6 (neurotransmitter transporter), member 15
siRNA Disorazole DMSO Run1	NM_1827 67	SLC6A15	15	0.48494	Inlier	solute carrier family 6 (neurotransmitter transporter), member 15

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_182767	SLC6A15	solute carrier family 6 (neurotransmitter transporter), member 15	1.147153	Inlier
siRNA-Vinblastine Run2-DMSO	NM_182767	SLC6A15	solute carrier family 6 (neurotransmitter transporter), member 15	1.378196	Inlier
siRNA-Temozolomide Run3-DMSO	NM_014037	SLC6A16	solute carrier family 6 (neurotransmitter transporter), member 16	-3.193136	Inlier
siRNA-Temozolomide Run2-DMSO	NM_014037	SLC6A16	solute carrier family 6 (neurotransmitter transporter), member 16	-1.672229	Inlier
siRNA-Temozolomide Run1-DMSO	NM_014037	SLC6A16	solute carrier family 6 (neurotransmitter transporter), member 16	-0.75846	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0140 37	SLC6A16	solute carrier family 6 (neurotransmitter transporter), member 16	-0.191794	Inlier
siRNA Disorazole DMSO Run1	NM_0140 37	SLC6A16	solute carrier family 6 (neurotransmitter transporter), member 16	0.191793	Inlier
siRNA Disorazole DMSO Run3	NM_0140 37	SLC6A16	solute carrier family 6 (neurotransmitter transporter), member 16	0.297314	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0140 37	SLC6A16	solute carrier family 6 (neurotransmitter transporter), member 16	0.59054	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0140 37	SLC6A16	solute carrier family 6 (neurotransmitter transporter), member 16	1.013376	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_1826 32	SLC6A18	solute carrier family 6 (neurotransmitter transporter), member 18	-0.986815	Inlier
siRNA Disorazole DMSO Run3	NM_1826 32	SLC6A18	solute carrier family 6 (neurotransmitter transporter), member 18	-0.719374	Inlier
siRNA Disorazole DMSO Run2	NM_1826 32	SLC6A18	solute carrier family 6 (neurotransmitter transporter), member 18	-0.629626	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1826 32	SLC6A18	solute carrier family 6 (neurotransmitter transporter), member 18	-0.365002	Inlier
siRNA Disorazole DMSO Run1	NM_1826 32	SLC6A18	solute carrier family 6 (neurotransmitter transporter), member 18	0.365002	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_182632	SLC6A18	solute carrier family 6 (neurotransmitter transporter), member 18	0.572312	Inlier
siRNA-Temozolomide Run2-DMSO	NM_182632	SLC6A18	solute carrier family 6 (neurotransmitter transporter), member 18	1.122078	Inlier
siRNA-Vinblastine Run1-DMSO	NM_182632	SLC6A18	solute carrier family 6 (neurotransmitter transporter), member 18	1.228721	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001043	SLC6A2	solute carrier family 6 (neurotransmitter transporter), noradrenalin), member 2	-2.94894	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001043	SLC6A2	solute carrier family 6 (neurotransmitter transporter), noradrenalin), member 2	-1.370389	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

				solute carrier family 6 (neurotransmitter transporter, noradrenaline), member 2		
siRNA-Temozolomide Run2-DMSO	NM_001043	SLC6A2			-1.174023	Inlier
				solute carrier family 6 (neurotransmitter transporter, noradrenaline), member 2		
siRNA Disorazole DMSO Run3	NM_001043	SLC6A2			-0.128916	Inlier
				solute carrier family 6 (neurotransmitter transporter, noradrenaline), member 2		
siRNA-Vinblastine Run2-DMSO	NM_001043	SLC6A2			0.128916	Inlier
				solute carrier family 6 (neurotransmitter transporter, noradrenaline), member 2		
siRNA-Vinblastine Run1-DMSO	NM_001043	SLC6A2			0.258996	Inlier
				solute carrier family 6 (neurotransmitter transporter, noradrenaline), member 2		
siRNA Disorazole DMSO Run1	NM_001043	SLC6A2			0.657193	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0010 43	SLC6A2	solute carrier family 6 (neurotransmitter transporter), member 2	0.691807	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0202 08	SLC6A20	solute carrier family 6 (neurotransmitter transporter), member 20	-1.112342	Inlier
siRNA Disorazole DMSO Run2	NM_0202 08	SLC6A20	solute carrier family 6 (neurotransmitter transporter), member 20	-0.800877	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0202 08	SLC6A20	solute carrier family 6 (neurotransmitter transporter), member 20	-0.548123	Inlier
siRNA Disorazole DMSO Run3	NM_0202 08	SLC6A20	solute carrier family 6 (neurotransmitter transporter), member 20	-0.489395	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_020208	SLC6A20	solute carrier family 6 (neurotransmitter transporter), member 20	0.489395	Inlier
siRNA Disorazole DMSO Run1	NM_020208	SLC6A20	solute carrier family 6 (neurotransmitter transporter), member 20	0.503065	Inlier
siRNA-Vinblastine Run2-DMSO	NM_020208	SLC6A20	solute carrier family 6 (neurotransmitter transporter), member 20	1.647518	Inlier
siRNA-Vinblastine Run1-DMSO	NM_020208	SLC6A20	solute carrier family 6 (neurotransmitter transporter), member 20	1.758633	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001044	SLC6A3	solute carrier family 6 (neurotransmitter transporter, dopamine), member 3	-4.062954	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_001044	SLC6A3	3	-1.372014	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001044	SLC6A3	3	-0.934502	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001044	SLC6A3	3	-0.028295	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001044	SLC6A3	3	0.028295	Inlier
siRNA Disorazole DMSO Run2	NM_001044	SLC6A3	3	0.286143	Inlier

solute carrier family 6 (neurotransmitter transporter

, dopamine), member 3

solute carrier family 6 (neurotransmitter transporter

, dopamine), member 3

solute carrier family 6 (neurotransmitter transporter

, dopamine), member 3

solute carrier family 6 (neurotransmitter transporter

, dopamine), member 3

solute carrier family 6 (neurotransmitter transporter

, dopamine), member 3

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0010 44	SLC6A3	solute carrier family 6 (neurotransmitter transporter, dopamine), member 3	0.414498	Inlier
siRNA Disorazole DMSO Run1	NM_0010 44	SLC6A3	solute carrier family 6 (neurotransmitter transporter, dopamine), member 3	1.120601	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 45	SLC6A4	solute carrier family 6 (neurotransmitter transporter, serotonin), member 4	-2.347646	Inlier
siRNA Disorazole DMSO Run3	NM_0010 45	SLC6A4	solute carrier family 6 (neurotransmitter transporter, serotonin), member 4	-1.821016	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 45	SLC6A4	solute carrier family 6 (neurotransmitter transporter, serotonin), member 4	-0.338146	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0010 45	SLC6A4	solute carrier family 6 (neurotransmitter transporter, serotonin), member 4	-0.045547	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 45	SLC6A4	solute carrier family 6 (neurotransmitter transporter, serotonin), member 4	0.045547	Inlier
siRNA Disorazole DMSO Run2	NM_0010 45	SLC6A4	solute carrier family 6 (neurotransmitter transporter, serotonin), member 4	0.594325	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 45	SLC6A4	solute carrier family 6 (neurotransmitter transporter, serotonin), member 4	0.754675	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 45	SLC6A4	solute carrier family 6 (neurotransmitter transporter, serotonin), member 4	0.841354	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0042 11	SLC6A5	solute carrier family 6 (neurotransmitter transporter, glycine), member 5	-1.244563	Inlier
siRNA Disorazole DMSO Run2	NM_0042 11	SLC6A5	solute carrier family 6 (neurotransmitter transporter, glycine), member 5	-0.851556	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0042 11	SLC6A5	solute carrier family 6 (neurotransmitter transporter, glycine), member 5	-0.585799	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0042 11	SLC6A5	solute carrier family 6 (neurotransmitter transporter, glycine), member 5	-0.307228	Inlier
siRNA Disorazole DMSO Run1	NM_0042 11	SLC6A5	solute carrier family 6 (neurotransmitter transporter, glycine), member 5	0.307229	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0042 11	SLC6A5	solute carrier family 6 (neurotransmitter transporter, glycine), member 5	0.664161	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0042 11	SLC6A5	solute carrier family 6 (neurotransmitter transporter, glycine), member 5	0.684839	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0042 11	SLC6A5	solute carrier family 6 (neurotransmitter transporter, glycine), member 5	1.510463	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0030 43	SLC6A6	solute carrier family 6 (neurotransmitter transporter, taurine), member 6	-1.474643	Inlier
siRNA Disorazole DMSO Run2	NM_0030 43	SLC6A6	solute carrier family 6 (neurotransmitter transporter, taurine), member 6	-1.326128	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0030 43	SLC6A6	solute carrier family 6 (neurotransmitter transporter, taurine), member 6	-1.084917	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log Fold Change	Annotation
siRNA-Vinblastine Run2-DMSO	NM_003043	SLC6A6	solute carrier family 6 (neurotransmitter transporter, taurine), member 6	-0.028976	Inlier
siRNA Disorazole DMSO Run3	NM_003043	SLC6A6	solute carrier family 6 (neurotransmitter transporter, taurine), member 6	0.028976	Inlier
siRNA Disorazole DMSO Run1	NM_003043	SLC6A6	solute carrier family 6 (neurotransmitter transporter, taurine), member 6	0.051092	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003043	SLC6A6	solute carrier family 6 (neurotransmitter transporter, taurine), member 6	0.264083	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003043	SLC6A6	solute carrier family 6 (neurotransmitter transporter, taurine), member 6	1.326054	Inlier
siRNA-Temozolomide Run3-DMSO	NM_014228	SLC6A7	solute carrier family 6 (neurotransmitter transporter, L-proline), member 7	-0.80674	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA	siRNA	siRNA	siRNA	siRNA	siRNA	siRNA	siRNA	siRNA	siRNA
siRNA-Temozolomide Run2-DMSO	NM_0142	28	SLC6A7	solute carrier family 6 (neurotransmitter transporter, L-proline), member 7	-0.731581	Inlier			
siRNA Disorazole DMSO Run2	NM_0142	28	SLC6A7	solute carrier family 6 (neurotransmitter transporter, L-proline), member 7	-0.617419	Inlier			
siRNA-Temozolomide Run1-DMSO	NM_0142	28	SLC6A7	solute carrier family 6 (neurotransmitter transporter, L-proline), member 7	-0.24574	Inlier			
siRNA Disorazole DMSO Run3	NM_0142	28	SLC6A7	solute carrier family 6 (neurotransmitter transporter, L-proline), member 7	0.24574	Inlier			
siRNA Disorazole DMSO Run1	NM_0142	28	SLC6A7	solute carrier family 6 (neurotransmitter transporter, L-proline), member 7	0.391233	Inlier			

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_014228	SLC6A7	solute carrier family 6 (neurotransmitter transporter, L-proline), member 7	0.872988	Inlier
siRNA-Vinblastine Run1-DMSO	NM_014228	SLC6A7	solute carrier family 6 (neurotransmitter transporter, L-proline), member 7	1.343691	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005629	SLC6A8	solute carrier family 6 (neurotransmitter transporter, creatine), member 8	-1.372712	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005629	SLC6A8	solute carrier family 6 (neurotransmitter transporter, creatine), member 8	-0.792133	Inlier
siRNA Disorazole DMSO Run3	NM_005629	SLC6A8	solute carrier family 6 (neurotransmitter transporter, creatine), member 8	-0.134237	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0056 29	SLC6A8	solute carrier family 6 (neurotransmitter transporter, creatine), member 8	-0.104867	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0056 29	SLC6A8	solute carrier family 6 (neurotransmitter transporter, creatine), member 8	0.104867	Inlier
siRNA Disorazole DMSO Run1	NM_0056 29	SLC6A8	solute carrier family 6 (neurotransmitter transporter, creatine), member 8	0.556867	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0056 29	SLC6A8	solute carrier family 6 (neurotransmitter transporter, creatine), member 8	1.303075	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0056 29	SLC6A8	solute carrier family 6 (neurotransmitter transporter, creatine), member 8	1.567962	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0069 34	SLC6A9	solute carrier family 6 (neurotransmitter transporter, glycine), member 9	-1.152521	Inlier
siRNA Disorazole DMSO Run2	NM_0069 34	SLC6A9	solute carrier family 6 (neurotransmitter transporter, glycine), member 9	-0.580168	Inlier
siRNA Disorazole DMSO Run3	NM_0069 34	SLC6A9	solute carrier family 6 (neurotransmitter transporter, glycine), member 9	-0.3772	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0069 34	SLC6A9	solute carrier family 6 (neurotransmitter transporter, glycine), member 9	-0.355986	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0069 34	SLC6A9	solute carrier family 6 (neurotransmitter transporter, glycine), member 9	0.355986	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0069 34	SLC6A9	solute carrier family 6 (neurotransmitter transporter, glycine), member 9	0.768832	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0069 34	SLC6A9	solute carrier family 6 (neurotransmitter transporter, glycine), member 9	1.540107	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0069 34	SLC6A9	solute carrier family 6 (neurotransmitter transporter, glycine), member 9	1.838884	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0030 45	SLC7A1	solute carrier family 7 (cationic amino acid transporter, y+ system), member 1	-1.589061	Inlier
siRNA Disorazole DMSO Run2	NM_0030 45	SLC7A1	solute carrier family 7 (cationic amino acid transporter, y+ system), member 1	-0.950793	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0030 45	SLC7A1	solute carrier family 7 (cationic amino acid transporter, y+ system), member 1	-0.799265	Inlier
siRNA Disorazole DMSO Run3	NM_0030 45	SLC7A1	solute carrier family 7 (cationic amino acid transporter, y+ system), member 1	-0.094024	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0030 45	SLC7A1	solute carrier family 7 (cationic amino acid transporter, y+ system), member 1	0.094025	Inlier
siRNA Disorazole DMSO Run1	NM_0030 45	SLC7A1	solute carrier family 7 (cationic amino acid transporter, y+ system), member 1	0.303514	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0030 45	SLC7A1	solute carrier family 7 (cationic amino acid transporter, y+ system), member 1	0.56364	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_003045	SLC7A1	solute carrier family 7 (cationic amino acid transporter, y+ system), member 1	0.78536	Inlier
siRNA-Temozolomide Run3-DMSO	NM_019849	SLC7A10	solute carrier family 7, (neutral amino acid transporter, y+ system) member 10	-1.358224	Inlier
siRNA-Temozolomide Run2-DMSO	NM_019849	SLC7A10	solute carrier family 7, (neutral amino acid transporter, y+ system) member 10	-0.998727	Inlier
siRNA-Vinblastine Run2-DMSO	NM_019849	SLC7A10	solute carrier family 7, (neutral amino acid transporter, y+ system) member 10	-0.469032	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0198 49	SLC7A10	10	solute carrier family 7, (neutral amino acid transporter , y+ system) member	-0.185061	Inlier
siRNA Disorazole DMSO Run1	NM_0198 49	SLC7A10	10	solute carrier family 7, (neutral amino acid transporter , y+ system) member	0.185061	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0198 49	SLC7A10	10	solute carrier family 7, (neutral amino acid transporter , y+ system) member	0.472437	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0198 49	SLC7A10	10	solute carrier family 7, (neutral amino acid transporter , y+ system) member	0.876563	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0198 49	SLC7A10	10	1.056821	Inlier	solute carrier family 7, (neutral amino acid transporter, y+ system) member
siRNA-Temozolomide Run3-DMSO	NM_0143 31	SLC7A11	11	-1.90776	Inlier	solute carrier family 7, (cationic amino acid transporter, y+ system) member
siRNA-Temozolomide Run2-DMSO	NM_0143 31	SLC7A11	11	-1.40668	Inlier	solute carrier family 7, (cationic amino acid transporter, y+ system) member
siRNA Disorazole DMSO Run1	NM_0143 31	SLC7A11	11	-0.508697	Inlier	solute carrier family 7, (cationic amino acid transporter, y+ system) member

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Treatment	Run	Gene	SLC7A11	Member	Value	Inlier	
siRNA Disorazole DMSO	Run3	NM_0143	31	SLC7A11	11	-0.087124	Inlier
siRNA-Temozolomide DMSO	Run1	NM_0143	31	SLC7A11	11	0.087125	Inlier
siRNA-Vinblastine DMSO	Run2	NM_0143	31	SLC7A11	11	0.571026	Inlier
siRNA-Vinblastine DMSO	Run1	NM_0143	31	SLC7A11	11	0.777974	Inlier

solute carrier family 7, (cationic amino acid transporter , y+ system) member

solute carrier family 7, (cationic amino acid transporter , y+ system) member

solute carrier family 7, (cationic amino acid transporter , y+ system) member

solute carrier family 7, (cationic amino acid transporter , y+ system) member

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0143 31	SLC7A11	11	1.571645	Inlier	solute carrier family 7, (cationic amino acid transporter, y+ system) member
siRNA-Temozolomide Run3-DMSO	NM_1388 17	SLC7A13	13	-0.724597	Inlier	solute carrier family 7, (cationic amino acid transporter, y+ system) member
siRNA Disorazole DMSO Run2	NM_1388 17	SLC7A13	13	-0.717896	Inlier	solute carrier family 7, (cationic amino acid transporter, y+ system) member
siRNA-Temozolomide Run2-DMSO	NM_1388 17	SLC7A13	13	-0.374378	Inlier	solute carrier family 7, (cationic amino acid transporter, y+ system) member

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_1388 17	SLC7A13	13	solute carrier family 7, (cationic amino acid transporter, y+ system) member -0.244978 Inlier
siRNA Disorazole DMSO Run1	NM_1388 17	SLC7A13	13	solute carrier family 7, (cationic amino acid transporter, y+ system) member 0.244978 Inlier
siRNA-Vinblastine Run1-DMSO	NM_1388 17	SLC7A13	13	solute carrier family 7, (cationic amino acid transporter, y+ system) member 0.631104 Inlier
siRNA-Temozolomide Run1-DMSO	NM_1388 17	SLC7A13	13	solute carrier family 7, (cationic amino acid transporter, y+ system) member 0.764338 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_1388 17	SLC7A13	solute carrier family 7, (cationic amino acid transporter, y+ system) member 13	0.801216	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0030 46	SLC7A2	solute carrier family 7 (cationic amino acid transporter, y+ system), member 2	-1.000308	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0030 46	SLC7A2	solute carrier family 7 (cationic amino acid transporter, y+ system), member 2	-0.854713	Inlier
siRNA Disorazole DMSO Run3	NM_0030 46	SLC7A2	solute carrier family 7 (cationic amino acid transporter, y+ system), member 2	-0.136203	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0030 46	SLC7A2	solute carrier family 7 (cationic amino acid transporter, y+ system), member 2	-0.115379	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0030 46	SLC7A2	solute carrier family 7 (cationic amino acid transporter, y+ system), member 2	0.115379	Inlier
siRNA Disorazole DMSO Run2	NM_0030 46	SLC7A2	solute carrier family 7 (cationic amino acid transporter, y+ system), member 2	0.494287	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0030 46	SLC7A2	solute carrier family 7 (cationic amino acid transporter, y+ system), member 2	2.973313	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0030 46	SLC7A2	solute carrier family 7 (cationic amino acid transporter, y+ system), member 2	4.585891	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0328 03	SLC7A3	solute carrier family 7 (cationic amino acid transporter, y+ system), member 3	-0.935834	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_032803	SLC7A3	solute carrier family 7 (cationic amino acid transporter, y+ system), member 3	-0.745508	Inlier
siRNA Disorazole DMSO Run2	NM_032803	SLC7A3	solute carrier family 7 (cationic amino acid transporter, y+ system), member 3	-0.44757	Inlier
siRNA Disorazole DMSO Run3	NM_032803	SLC7A3	solute carrier family 7 (cationic amino acid transporter, y+ system), member 3	-0.021088	Inlier
siRNA-Temozolomide Run1-DMSO	NM_032803	SLC7A3	solute carrier family 7 (cationic amino acid transporter, y+ system), member 3	0.021088	Inlier
siRNA Disorazole DMSO Run1	NM_032803	SLC7A3	solute carrier family 7 (cationic amino acid transporter, y+ system), member 3	0.603491	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_032803	SLC7A3	solute carrier family 7 (cationic amino acid transporter, y+ system), member 3	1.080737	Inlier
siRNA-Vinblastine Run1-DMSO	NM_032803	SLC7A3	solute carrier family 7 (cationic amino acid transporter, y+ system), member 3	1.523638	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004173	SLC7A4	solute carrier family 7 (cationic amino acid transporter, y+ system), member 4	-3.212062	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004173	SLC7A4	solute carrier family 7 (cationic amino acid transporter, y+ system), member 4	-2.565248	Inlier
siRNA Disorazole DMSO Run1	NM_004173	SLC7A4	solute carrier family 7 (cationic amino acid transporter, y+ system), member 4	-1.948916	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0041 73	SLC7A4	solute carrier family 7 (cationic amino acid transporter , y+ system), member 4	-0.395251	Inlier
siRNA Disorazole DMSO Run2	NM_0041 73	SLC7A4	solute carrier family 7 (cationic amino acid transporter , y+ system), member 4	0.395251	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0041 73	SLC7A4	solute carrier family 7 (cationic amino acid transporter , y+ system), member 4	0.448808	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0041 73	SLC7A4	solute carrier family 7 (cationic amino acid transporter , y+ system), member 4	0.633732	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0041 73	SLC7A4	solute carrier family 7 (cationic amino acid transporter , y+ system), member 4	0.715268	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0034 86	SLC7A5	solute carrier family 7 (cationic amino acid transporter, y+ system), member 5	-1.224558	Inlier
siRNA Disorazole DMSO Run2	NM_0034 86	SLC7A5	solute carrier family 7 (cationic amino acid transporter, y+ system), member 5	-0.764514	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0034 86	SLC7A5	solute carrier family 7 (cationic amino acid transporter, y+ system), member 5	-0.654667	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0034 86	SLC7A5	solute carrier family 7 (cationic amino acid transporter, y+ system), member 5	-0.054041	Inlier
siRNA Disorazole DMSO Run1	NM_0034 86	SLC7A5	solute carrier family 7 (cationic amino acid transporter, y+ system), member 5	0.054041	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0034 86	SLC7A5	solute carrier family 7 (cationic amino acid transporter, y+ system), member 5	0.241014	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0034 86	SLC7A5	solute carrier family 7 (cationic amino acid transporter, y+ system), member 5	0.694333	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0034 86	SLC7A5	solute carrier family 7 (cationic amino acid transporter, y+ system), member 5	0.714228	Inlier
siRNA Disorazole DMSO Run1	NM_0039 82	SLC7A7	solute carrier family 7 (cationic amino acid transporter, y+ system), member 7	-1.98868	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0039 82	SLC7A7	solute carrier family 7 (cationic amino acid transporter, y+ system), member 7	-1.063665	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_003982	SLC7A7	solute carrier family 7 (cationic amino acid transporter, y+ system), member 7	-0.550243	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003982	SLC7A7	solute carrier family 7 (cationic amino acid transporter, y+ system), member 7	-0.466335	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003982	SLC7A7	solute carrier family 7 (cationic amino acid transporter, y+ system), member 7	0.466335	Inlier
siRNA Disorazole DMSO Run3	NM_003982	SLC7A7	solute carrier family 7 (cationic amino acid transporter, y+ system), member 7	0.471746	Inlier
siRNA Disorazole DMSO Run2	NM_003982	SLC7A7	solute carrier family 7 (cationic amino acid transporter, y+ system), member 7	0.798757	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_003982	SLC7A7	solute carrier family 7 (cationic amino acid transporter, y+ system), member 7	1.308203	Inlier
siRNA-Temozolomide Run3-DMSO	NM_012244	SLC7A8	solute carrier family 7 (cationic amino acid transporter, y+ system), member 8	-1.210298	Inlier
siRNA Disorazole DMSO Run2	NM_012244	SLC7A8	solute carrier family 7 (cationic amino acid transporter, y+ system), member 8	-1.104934	Inlier
siRNA Disorazole DMSO Run3	NM_012244	SLC7A8	solute carrier family 7 (cationic amino acid transporter, y+ system), member 8	-0.687273	Inlier
siRNA-Temozolomide Run2-DMSO	NM_012244	SLC7A8	solute carrier family 7 (cationic amino acid transporter, y+ system), member 8	-0.196228	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0122 44	SLC7A8	solute carrier family 7 (cationic amino acid transporter, y+ system), member 8	0.196229	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0122 44	SLC7A8	solute carrier family 7 (cationic amino acid transporter, y+ system), member 8	0.647412	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0122 44	SLC7A8	solute carrier family 7 (cationic amino acid transporter, y+ system), member 8	0.661727	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0122 44	SLC7A8	solute carrier family 7 (cationic amino acid transporter, y+ system), member 8	0.935662	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0142 70	SLC7A9	solute carrier family 7 (cationic amino acid transporter, y+ system), member 9	-3.924592	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_014270	SLC7A9	solute carrier family 7 (cationic amino acid transporter, y+ system), member 9	-0.79405	Inlier
siRNA Disorazole DMSO Run1	NM_014270	SLC7A9	solute carrier family 7 (cationic amino acid transporter, y+ system), member 9	-0.55495	Inlier
siRNA Disorazole DMSO Run2	NM_014270	SLC7A9	solute carrier family 7 (cationic amino acid transporter, y+ system), member 9	-0.464399	Inlier
siRNA-Vinblastine Run2-DMSO	NM_014270	SLC7A9	solute carrier family 7 (cationic amino acid transporter, y+ system), member 9	0.464399	Inlier
siRNA Disorazole DMSO Run3	NM_014270	SLC7A9	solute carrier family 7 (cationic amino acid transporter, y+ system), member 9	0.466867	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_014270	SLC7A9	solute carrier family 7 (cationic amino acid transporter, y+ system), member 9	0.833782	Inlier
siRNA-Vinblastine Run1-DMSO	NM_014270	SLC7A9	solute carrier family 7 (cationic amino acid transporter, y+ system), member 9	1.369567	Inlier
siRNA-Temozolomide Run2-DMSO	NM_021097	SLC8A1	solute carrier family 8 (sodium/calcium exchanger), member 1	-1.849406	Inlier
siRNA-Temozolomide Run3-DMSO	NM_021097	SLC8A1	solute carrier family 8 (sodium/calcium exchanger), member 1	-1.830393	Inlier
siRNA-Temozolomide Run1-DMSO	NM_021097	SLC8A1	solute carrier family 8 (sodium/calcium exchanger), member 1	-0.506729	Inlier
siRNA Disorazole DMSO Run1	NM_021097	SLC8A1	solute carrier family 8 (sodium/calcium exchanger), member 1	-0.00661	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Family	Value	Category
siRNA Disorazole DMSO Run2	SLC8A1	NM_021097	solute carrier family 8 (sodium/calcium exchanger), member 1	0.00661	Inlier
siRNA Disorazole DMSO Run3	SLC8A1	NM_021097	solute carrier family 8 (sodium/calcium exchanger), member 1	0.593185	Inlier
siRNA-Vinblastine Run1-DMSO	SLC8A1	NM_021097	solute carrier family 8 (sodium/calcium exchanger), member 1	0.755815	Inlier
siRNA-Vinblastine Run2-DMSO	SLC8A1	NM_021097	solute carrier family 8 (sodium-calcium exchanger), member 1	1.848614	Inlier
siRNA-Temozolomide Run3-DMSO	SLC8A3	NM_182936	solute carrier family 8 (sodium-calcium exchanger), member 3	-10.00168	Outlier
siRNA-Temozolomide Run2-DMSO	SLC8A3	NM_182936	solute carrier family 8 (sodium-calcium exchanger), member 3	-8.076701	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Gene ID	Gene Name	Log Fold Change	Classification
siRNA-Temozolomide Run1-DMSO	NM_1829	36	SLC8A3	-0.855789	Inlier
siRNA Disorazole DMSO Run1	NM_1829	36	SLC8A3	-0.063458	Inlier
siRNA Disorazole DMSO Run2	NM_1829	36	SLC8A3	0.063458	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1829	36	SLC8A3	0.110689	Inlier
siRNA Disorazole DMSO Run3	NM_1829	36	SLC8A3	0.493211	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1829	36	SLC8A3	7.097856	Outlier

solute carrier family 8 (sodium-calcium exchanger), member 3

solute carrier family 8 (sodium-calcium exchanger), member 3

solute carrier family 8 (sodium-calcium exchanger), member 3

solute carrier family 8 (sodium-calcium exchanger), member 3

solute carrier family 8 (sodium-calcium exchanger), member 3

solute carrier family 8 (sodium-calcium exchanger), member 3

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0030 47	SLC9A1	solute carrier family 9 (sodium/hydrogen exchanger), isoform 1 (antiporter, Na+/H+, amiloride sensitive)	-1.062191	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0030 47	SLC9A1	solute carrier family 9 (sodium/hydrogen exchanger), isoform 1 (antiporter, Na+/H+, amiloride sensitive)	-0.98161	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0030 47	SLC9A1	solute carrier family 9 (sodium/hydrogen exchanger), isoform 1 (antiporter, Na+/H+, amiloride sensitive)	-0.36739	Inlier
siRNA Disorazole DMSO Run1	NM_0030 47	SLC9A1	solute carrier family 9 (sodium/hydrogen exchanger), isoform 1 (antiporter, Na+/H+, amiloride sensitive)	-0.048789	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Drug	Run	Gene	Accession	Gene Description	Score	Inlier
siRNA Disorazole	DMSO	Run3	SLC9A1	NM_003047	solute carrier family 9 (sodium/hydrogen exchanger), isoform 1 (antiporter, Na+/H+, amiloride sensitive)	0.048789	Inlier
siRNA-Temozolomide	Run1-DMSO		SLC9A1	NM_003047	solute carrier family 9 (sodium/hydrogen exchanger), isoform 1 (antiporter, Na+/H+, amiloride sensitive)	0.166454	Inlier
siRNA Disorazole	DMSO	Run2	SLC9A1	NM_003047	solute carrier family 9 (sodium/hydrogen exchanger), isoform 1 (antiporter, Na+/H+, amiloride sensitive)	2.298702	Inlier
siRNA-Vinblastine	Run1-DMSO		SLC9A1	NM_003047	solute carrier family 9 (sodium/hydrogen exchanger), isoform 1 (antiporter, Na+/H+, amiloride sensitive)	2.673587	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Gene Name	Log Fold Change	Category
siRNA-Temozolomide Run3-DMSO	NM_003048	SLC9A2	solute carrier family 9 (sodium/hydrogen exchanger), isoform 2	-2.634353	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003048	SLC9A2	solute carrier family 9 (sodium/hydrogen exchanger), isoform 2	-0.818521	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003048	SLC9A2	solute carrier family 9 (sodium/hydrogen exchanger), isoform 2	-0.346807	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003048	SLC9A2	solute carrier family 9 (sodium/hydrogen exchanger), isoform 2	-0.174987	Inlier
siRNA Disorazole DMSO Run1	NM_003048	SLC9A2	solute carrier family 9 (sodium/hydrogen exchanger), isoform 2	0.174987	Inlier
siRNA Disorazole DMSO Run3	NM_003048	SLC9A2	solute carrier family 9 (sodium/hydrogen exchanger), isoform 2	0.530479	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Gene	Gene	Value	Category
siRNA Disorazole DMSO Run2	48	NM_0030	SLC9A2	2	2.546841	Inlier
siRNA-Vinblastine Run1-DMSO	48	NM_0030	SLC9A2	2	3.371387	Inlier
siRNA-Temozolomide Run2-DMSO	74	NM_0041	SLC9A3	3	-0.699316	Inlier
siRNA-Temozolomide Run3-DMSO	74	NM_0041	SLC9A3	3	-0.649684	Inlier
siRNA Disorazole DMSO Run1	74	NM_0041	SLC9A3	3	-0.34868	Inlier
siRNA-Vinblastine Run2-DMSO	74	NM_0041	SLC9A3	3	-0.110074	Inlier

solute carrier family 9 (sodium/hydrogen exchanger

), isoform 2

solute carrier family 9 (sodium/hydrogen exchanger

), isoform 3

solute carrier family 9 (sodium/hydrogen exchanger

), isoform 3

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Gene	Gene	Value	Category
siRNA Disorazole DMSO Run3	NM_0041	74	SLC9A3	solute carrier family 9 (sodium/hydrogen exchanger), isoform 3	0.110074	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0041	74	SLC9A3	solute carrier family 9 (sodium/hydrogen exchanger), isoform 3	0.938663	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0041	74	SLC9A3	solute carrier family 9 (sodium/hydrogen exchanger), isoform 3	4.576424	Outlier
siRNA Disorazole DMSO Run2	NM_0041	74	SLC9A3	solute carrier family 9 (sodium/hydrogen exchanger), isoform 3	5.319808	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0042	52	SLC9A3R1	solute carrier family 9 (sodium/hydrogen exchanger), isoform 3 regulator 1	-1.379829	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0042	52	SLC9A3R1	solute carrier family 9 (sodium/hydrogen exchanger), isoform 3 regulator 1	-0.741422	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_004252	SLC9A3R1	1	1	solute carrier family 9 (sodium/hydrogen exchanger), isoform 3 regulator	-0.607578	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004252	SLC9A3R1	1	1	solute carrier family 9 (sodium/hydrogen exchanger), isoform 3 regulator	-0.036766	Inlier
siRNA Disorazole DMSO Run1	NM_004252	SLC9A3R1	1	1	solute carrier family 9 (sodium/hydrogen exchanger), isoform 3 regulator	0.036766	Inlier
siRNA Disorazole DMSO Run3	NM_004252	SLC9A3R1	1	1	solute carrier family 9 (sodium/hydrogen exchanger), isoform 3 regulator	0.491197	Inlier
siRNA-Vinblastine Run1-DMSO	NM_004252	SLC9A3R1	1	1	solute carrier family 9 (sodium/hydrogen exchanger), isoform 3 regulator	1.871915	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0042	SLC9A3R	3 regulator	1	2.835907	Inlier
	52	1	1			
			solute carrier family 9 (sodium/hydrogen exchanger), isoform 3			
siRNA-Temozolomide DMSO Run3	NM_0047	SLC9A3R	3 regulator	2	-0.921676	Inlier
	85	2	2			
			solute carrier family 9 (sodium/hydrogen exchanger), isoform 3			
siRNA Disorazole DMSO Run3	NM_0047	SLC9A3R	3 regulator	2	-0.444584	Inlier
	85	2	2			
			solute carrier family 9 (sodium/hydrogen exchanger), isoform 3			
siRNA-Temozolomide DMSO Run2	NM_0047	SLC9A3R	3 regulator	2	-0.435529	Inlier
	85	2	2			
			solute carrier family 9 (sodium/hydrogen exchanger), isoform 3			
siRNA-Vinblastine DMSO Run2	NM_0047	SLC9A3R	3 regulator	2	-0.384624	Inlier
	85	2	2			
			solute carrier family 9 (sodium/hydrogen exchanger), isoform 3			

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0047 85	SLC9A3R 2	solute carrier family 9 (sodium/h ydrogen exchanger) , isoform 3 regulator 2	0.384623	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0047 85	SLC9A3R 2	solute carrier family 9 (sodium/h ydrogen exchanger) , isoform 3 regulator 2	0.904416	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0047 85	SLC9A3R 2	solute carrier family 9 (sodium/h ydrogen exchanger) , isoform 3 regulator 2	3.683438	Outlier
siRNA Disorazole DMSO Run2	NM_0047 85	SLC9A3R 2	solute carrier family 9 (sodium/h ydrogen exchanger) , isoform 3 regulator 2	4.618569	Outlier
siRNA-Temozolomide Run3- DMSO	NM_0045 94	SLC9A5	solute carrier family 9 (sodium/h ydrogen exchanger) , isoform 5	-1.52911	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Gene Name	Value	Category
siRNA Disorazole DMSO Run2	SLC9A5	NM_004594	solute carrier family 9 (sodium/hydrogen exchanger), isoform 5	2.764683	Inlier
siRNA-Vinblastine Run2-DMSO	SLC9A6	NM_006359	solute carrier family 9 (sodium/hydrogen exchanger), isoform 6	-0.947845	Inlier
siRNA Disorazole DMSO Run3	SLC9A6	NM_006359	solute carrier family 9 (sodium/hydrogen exchanger), isoform 6	-0.682719	Inlier
siRNA-Temozolomide Run3-DMSO	SLC9A6	NM_006359	solute carrier family 9 (sodium/hydrogen exchanger), isoform 6	-0.666281	Inlier
siRNA-Temozolomide Run2-DMSO	SLC9A6	NM_006359	solute carrier family 9 (sodium/hydrogen exchanger), isoform 6	-0.095336	Inlier
siRNA-Temozolomide Run1-DMSO	SLC9A6	NM_006359	solute carrier family 9 (sodium/hydrogen exchanger), isoform 6	0.095336	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Gene	Gene	Value	Category
siRNA Disorazole DMSO Run1	NM_0063	59	SLC9A6	solute carrier family 9 (sodium/hydrogen exchanger), isoform 6	0.180465	Inlier
siRNA Disorazole DMSO Run2	NM_0063	59	SLC9A6	solute carrier family 9 (sodium/hydrogen exchanger), isoform 6	2.599277	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0063	59	SLC9A6	solute carrier family 9 (sodium/hydrogen exchanger), isoform 6	3.135328	Inlier
siRNA Disorazole DMSO Run1	NM_0325	91	SLC9A7	solute carrier family 9 (sodium/hydrogen exchanger), isoform 7	-1.264074	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0325	91	SLC9A7	solute carrier family 9 (sodium/hydrogen exchanger), isoform 7	-1.09094	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0325	91	SLC9A7	solute carrier family 9 (sodium/hydrogen exchanger), isoform 7	-0.898661	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Name	Gene Description	Log Fold Change	Outlier Status
siRNA-Vinblastine Run2-DMSO	NM_032591	SLC9A7	7	solute carrier family 9 (sodium/hydrogen exchanger), isoform 7	-0.122143	Inlier
siRNA-Vinblastine Run1-DMSO	NM_032591	SLC9A7	7	solute carrier family 9 (sodium/hydrogen exchanger), isoform 7	0.122143	Inlier
siRNA Disorazole DMSO Run3	NM_032591	SLC9A7	7	solute carrier family 9 (sodium/hydrogen exchanger), isoform 7	0.447186	Inlier
siRNA-Temozolomide Run3-DMSO	NM_032591	SLC9A7	7	solute carrier family 9 (sodium/hydrogen exchanger), isoform 7	0.513078	Inlier
siRNA Disorazole DMSO Run2	NM_032591	SLC9A7	7	solute carrier family 9 (sodium/hydrogen exchanger), isoform 7	0.835922	Inlier
siRNA Disorazole DMSO Run3	NM_173653	SLC9A9	9	solute carrier family 9 (sodium/hydrogen exchanger), isoform 9	-0.921517	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Name	Gene Description	Log Fold Change	Classification
siRNA-Temozolomide Run2-DMSO	NM_173653	SLC9A9	SLC9A9	solute carrier family 9 (sodium/hydrogen exchanger), isoform 9	-0.622587	Inlier
siRNA-Temozolomide Run3-DMSO	NM_173653	SLC9A9	SLC9A9	solute carrier family 9 (sodium/hydrogen exchanger), isoform 9	-0.233596	Inlier
siRNA Disorazole DMSO Run1	NM_173653	SLC9A9	SLC9A9	solute carrier family 9 (sodium/hydrogen exchanger), isoform 9	-0.004095	Inlier
siRNA-Vinblastine Run2-DMSO	NM_173653	SLC9A9	SLC9A9	solute carrier family 9 (sodium/hydrogen exchanger), isoform 9	0.004095	Inlier
siRNA-Temozolomide Run1-DMSO	NM_173653	SLC9A9	SLC9A9	solute carrier family 9 (sodium/hydrogen exchanger), isoform 9	0.726413	Inlier
siRNA Disorazole DMSO Run2	NM_173653	SLC9A9	SLC9A9	solute carrier family 9 (sodium/hydrogen exchanger), isoform 9	4.071743	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_173653	SLC9A9	solute carrier family 9 (sodium/hydrogen exchanger), isoform 9	4.403535	Outlier
siRNA-Temozolomide Run1-DMSO	NM_134431	SLCO1A2	solute carrier organic anion transporter family, member 1A2	-0.770066	Inlier
siRNA-Temozolomide Run2-DMSO	NM_134431	SLCO1A2	solute carrier organic anion transporter family, member 1A2	-0.681578	Inlier
siRNA-Temozolomide Run3-DMSO	NM_134431	SLCO1A2	solute carrier organic anion transporter family, member 1A2	-0.667422	Inlier
siRNA Disorazole DMSO Run1	NM_134431	SLCO1A2	solute carrier organic anion transporter family, member 1A2	-0.006824	Inlier
siRNA Disorazole DMSO Run3	NM_134431	SLCO1A2	solute carrier organic anion transporter family, member 1A2	0.006824	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Condition	Run	Gene	Accession	Value	Outlier	Gene Description
siRNA Disorazole	DMSO	Run2	SLCO1A2	NM_134431	0.147155	Inlier	solute carrier organic anion transporter family, member 1A2
siRNA-Vinblastine	DMSO	Run1	SLCO1A2	NM_134431	0.788081	Inlier	solute carrier organic anion transporter family, member 1A2
siRNA-Vinblastine	DMSO	Run2	SLCO1A2	NM_134431	1.177184	Inlier	solute carrier organic anion transporter family, member 1A2
siRNA-Temozolomide	DMSO	Run3	SLCO1B1	NM_006446	-1.747803	Inlier	solute carrier organic anion transporter family, member 1B1
siRNA-Temozolomide	DMSO	Run2	SLCO1B1	NM_006446	-0.724467	Inlier	solute carrier organic anion transporter family, member 1B1
siRNA Disorazole	DMSO	Run2	SLCO1B1	NM_006446	-0.624533	Inlier	solute carrier organic anion transporter family, member 1B1

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Name	Gene Description	Value	Category
siRNA Disorazole DMSO Run3	SLCO1B1	NM_006446	SLCO1B1	solute carrier organic anion transporter family, member 1B1	-0.181099	Inlier
siRNA Disorazole DMSO Run1	SLCO1B1	NM_006446	SLCO1B1	solute carrier organic anion transporter family, member 1B1	0.181099	Inlier
siRNA-Temozolomide Run1-DMSO	SLCO1B1	NM_006446	SLCO1B1	solute carrier organic anion transporter family, member 1B1	0.575999	Inlier
siRNA-Vinblastine Run1-DMSO	SLCO1B1	NM_006446	SLCO1B1	solute carrier organic anion transporter family, member 1B1	1.084634	Inlier
siRNA-Vinblastine Run2-DMSO	SLCO1B1	NM_006446	SLCO1B1	solute carrier organic anion transporter family, member 1B1	1.372808	Inlier
siRNA-Temozolomide Run3-DMSO	SLCO1B3	NM_019844	SLCO1B3	solute carrier organic anion transporter family, member 1B3	-1.087491	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0198 44	SLCO1B3	1B3	0.896719	Inlier
			solute carrier organic anion transporter family, member		
siRNA-Temozolomide Run3-DMSO	NM_0174 35	SLCO1C1	1C1	-3.348248	Inlier
			solute carrier organic anion transporter family, member		
siRNA Disorazole DMSO Run2	NM_0174 35	SLCO1C1	1C1	-1.917767	Inlier
			solute carrier organic anion transporter family, member		
siRNA-Temozolomide Run1-DMSO	NM_0174 35	SLCO1C1	1C1	-0.946849	Inlier
			solute carrier organic anion transporter family, member		
siRNA-Temozolomide Run2-DMSO	NM_0174 35	SLCO1C1	1C1	-0.090061	Inlier
			solute carrier organic anion transporter family, member		
siRNA-Vinblastine Run2-DMSO	NM_0174 35	SLCO1C1	1C1	0.090061	Inlier
			solute carrier organic anion transporter family, member		

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Description	Value	Category
siRNA-Vinblastine Run1-DMSO	SLCO1C1	NM_017435	solute carrier organic anion transporter family, member 1C1	0.255692	Inlier
siRNA Disorazole DMSO Run1	SLCO1C1	NM_017435	solute carrier organic anion transporter family, member 1C1	0.402151	Inlier
siRNA Disorazole DMSO Run3	SLCO1C1	NM_017435	solute carrier organic anion transporter family, member 1C1	2.165095	Inlier
siRNA-Temozolomide Run3-DMSO	SLCO2A1	NM_005630	solute carrier organic anion transporter family, member 2A1	-3.80097	Outlier
siRNA Disorazole DMSO Run2	SLCO2A1	NM_005630	solute carrier organic anion transporter family, member 2A1	-1.355817	Inlier
siRNA-Temozolomide Run1-DMSO	SLCO2A1	NM_005630	solute carrier organic anion transporter family, member 2A1	-0.500979	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0056 30	SLCO2A1	solute carrier organic anion transporter family, member 2A1	-0.151769	Inlier
siRNA Disorazole DMSO Run1	NM_0056 30	SLCO2A1	solute carrier organic anion transporter family, member 2A1	0.151769	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0056 30	SLCO2A1	solute carrier organic anion transporter family, member 2A1	0.510363	Inlier
siRNA Disorazole DMSO Run3	NM_0056 30	SLCO2A1	solute carrier organic anion transporter family, member 2A1	0.838637	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0056 30	SLCO2A1	solute carrier organic anion transporter family, member 2A1	1.168065	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0072 56	SLCO2B1	solute carrier organic anion transporter family, member 2B1	-1.247175	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Category	Value	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_007256	SLCO2B1	solute carrier organic anion transporter family, member 2B1	-0.934456	Inlier
siRNA Disorazole DMSO Run1	NM_007256	SLCO2B1	solute carrier organic anion transporter family, member 2B1	-0.223896	Inlier
siRNA Disorazole DMSO Run2	NM_007256	SLCO2B1	solute carrier organic anion transporter family, member 2B1	-0.067218	Inlier
siRNA-Temozolomide Run1-DMSO	NM_007256	SLCO2B1	solute carrier organic anion transporter family, member 2B1	0.067218	Inlier
siRNA-Vinblastine Run1-DMSO	NM_007256	SLCO2B1	solute carrier organic anion transporter family, member 2B1	0.631088	Inlier
siRNA Disorazole DMSO Run3	NM_007256	SLCO2B1	solute carrier organic anion transporter family, member 2B1	0.717912	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0072 56	SLCO2B1	solute carrier organic anion transporter family, member 2B1	0.877988	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0132 72	SLCO3A1	solute carrier organic anion transporter family, member 3A1	-1.870266	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0132 72	SLCO3A1	solute carrier organic anion transporter family, member 3A1	-1.062771	Inlier
siRNA Disorazole DMSO Run2	NM_0132 72	SLCO3A1	solute carrier organic anion transporter family, member 3A1	-0.789485	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0132 72	SLCO3A1	solute carrier organic anion transporter family, member 3A1	-0.061839	Inlier
siRNA Disorazole DMSO Run1	NM_0132 72	SLCO3A1	solute carrier organic anion transporter family, member 3A1	0.061839	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0132 72	SLCO3A1	solute carrier organic anion transporter family, member 3A1	0.328145	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0132 72	SLCO3A1	solute carrier organic anion transporter family, member 3A1	0.559515	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0132 72	SLCO3A1	solute carrier organic anion transporter family, member 3A1	0.982135	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0163 54	SLCO4A1	solute carrier organic anion transporter family, member 4A1	-2.040305	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0163 54	SLCO4A1	solute carrier organic anion transporter family, member 4A1	-1.030793	Inlier
siRNA Disorazole DMSO Run3	NM_0163 54	SLCO4A1	solute carrier organic anion transporter family, member 4A1	-0.225939	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log Fold Change	Outlier Status
siRNA Disorazole DMSO Run2	NM_0163 54	SLCO4A1	solute carrier organic anion transporter family, member 4A1	-0.085512	Inlier
siRNA Disorazole DMSO Run1	NM_0163 54	SLCO4A1	solute carrier organic anion transporter family, member 4A1	0.085512	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0163 54	SLCO4A1	solute carrier organic anion transporter family, member 4A1	0.318207	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0163 54	SLCO4A1	solute carrier organic anion transporter family, member 4A1	2.622217	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0163 54	SLCO4A1	solute carrier organic anion transporter family, member 4A1	2.665001	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1809 91	SLCO4C1	solute carrier organic anion transporter family, member 4C1	-1.836276	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_1809 91	SLCO4C1	solute carrier organic anion transporter family, member 4C1	-0.703178	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1809 91	SLCO4C1	solute carrier organic anion transporter family, member 4C1	-0.308239	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1809 91	SLCO4C1	solute carrier organic anion transporter family, member 4C1	-0.013356	Inlier
siRNA Disorazole DMSO Run1	NM_1809 91	SLCO4C1	solute carrier organic anion transporter family, member 4C1	0.013355	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1809 91	SLCO4C1	solute carrier organic anion transporter family, member 4C1	0.645822	Inlier
siRNA Disorazole DMSO Run3	NM_1809 91	SLCO4C1	solute carrier organic anion transporter family, member 4C1	2.430136	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

				solute carrier organic anion transporter family, member	
siRNA Disorazole DMSO Run2	NM_1809 91	SLCO4C1	4C1	2.987985	Inlier
			solute carrier organic anion transporter family, member		
siRNA-Temozolomide Run3-DMSO	NM_0309 58	SLCO5A1	5A1	-1.621919	Inlier
			solute carrier organic anion transporter family, member		
siRNA-Temozolomide Run2-DMSO	NM_0309 58	SLCO5A1	5A1	-1.428414	Inlier
			solute carrier organic anion transporter family, member		
siRNA-Temozolomide Run1-DMSO	NM_0309 58	SLCO5A1	5A1	-0.306105	Inlier
			solute carrier organic anion transporter family, member		
siRNA Disorazole DMSO Run1	NM_0309 58	SLCO5A1	5A1	-0.097628	Inlier
			solute carrier organic anion transporter family, member		
siRNA-Vinblastine Run1-DMSO	NM_0309 58	SLCO5A1	5A1	0.097628	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Gene	Value	Category
siRNA-Vinblastine Run2-DMSO	NM_0309	58	SLCO5A1	0.276668	Inlier
			solute carrier organic anion transporter family, member 5A1		
siRNA Disorazole DMSO Run2	NM_0309	58	SLCO5A1	1.042895	Inlier
			solute carrier organic anion transporter family, member 5A1		
siRNA Disorazole DMSO Run3	NM_0309	58	SLCO5A1	1.069625	Inlier
			solute carrier organic anion transporter family, member 5A1		
siRNA-Temozolomide Run3-DMSO	NM_1734	88	SLCO6A1	-4.059179	Outlier
			solute carrier organic anion transporter family, member 6A1		
siRNA-Temozolomide Run2-DMSO	NM_1734	88	SLCO6A1	-2.152225	Inlier
			solute carrier organic anion transporter family, member 6A1		
siRNA Disorazole DMSO Run3	NM_1734	88	SLCO6A1	-0.591035	Inlier
			solute carrier organic anion transporter family, member 6A1		

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_1734 88	SLCO6A1	solute carrier organic anion transporter family, member 6A1	-0.082455	Inlier
siRNA Disorazole DMSO Run2	NM_1734 88	SLCO6A1	solute carrier organic anion transporter family, member 6A1	0.082455	Inlier
siRNA Disorazole DMSO Run1	NM_1734 88	SLCO6A1	solute carrier organic anion transporter family, member 6A1	0.183535	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1734 88	SLCO6A1	solute carrier organic anion transporter family, member 6A1	0.757965	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1734 88	SLCO6A1	solute carrier organic anion transporter family, member 6A1	1.093393	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0147 20	SLK	STE20-like kinase (yeast)	-0.754948	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0147 20	SLK	STE20-like kinase (yeast)	-0.594052	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0147 20	SLK	STE20-like kinase (yeast)	-0.499777	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0147 20	SLK	STE20-like kinase (yeast)	-0.319934	Inlier
siRNA Disorazole DMSO Run1	NM_0147 20	SLK	STE20-like kinase (yeast)	0.319935	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0147 20	SLK	STE20-like kinase (yeast)	1.358902	Inlier
siRNA Disorazole DMSO Run3	NM_0147 20	SLK	STE20-like kinase (yeast)	1.607665	Inlier
siRNA Disorazole DMSO Run2	NM_0147 20	SLK	STE20-like kinase (yeast)	3.582731	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0030 64	SLPI	secretory leukocyte protease inhibitor (antileuko proteinase)	-1.263479	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0030 64	SLPI	secretory leukocyte protease inhibitor (antileuko proteinase)	-1.067874	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0030 64	SLPI	secretory leukocyte protease inhibitor (antileuko proteinase)	-0.685291	Inlier
siRNA Disorazole DMSO Run3	NM_0030 64	SLPI	secretory leukocyte protease inhibitor (antileuko proteinase)	-0.062836	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0030 64	SLPI	secretory leukocyte protease inhibitor (antileuko proteinase)	0.062836	Inlier
siRNA Disorazole DMSO Run2	NM_0030 64	SLPI	secretory leukocyte protease inhibitor (antileuko proteinase)	0.467721	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0030 64	SLPI	secretory leukocyte protease inhibitor (antileuko proteinase)	0.663709	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0030 64	SLPI	secretory leukocyte protease inhibitor (antileuko proteinase)	0.733132	Inlier
siRNA Disorazole DMSO Run3	NM_0030 71	SMARCA3	3 SWI/SNF related, matrix associated , actin dependent regulator of chromatin, subfamily a, member	-1.039009	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_003071	SMARCA3	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 3	-0.844056	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003071	SMARCA3	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 3	-0.332709	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003071	SMARCA3	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 3	-0.113775	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003071	SMARCA3	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 3	0.113776	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0030 71	SMARCA3	3	0.504944	Inlier	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member
siRNA-Vinblastine Run1-DMSO	NM_0030 71	SMARCA3	3	2.804792	Inlier	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member
siRNA Disorazole DMSO Run2	NM_0030 71	SMARCA3	3	3.512874	Outlier	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member
siRNA-Temozolomide Run2-DMSO	NM_0036 01	SMARCA5	5	-1.844813	Inlier	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_003601	SMARCA5	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 5	5	-0.702261	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003601	SMARCA5	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 5	5	-0.386859	Inlier
siRNA Disorazole DMSO Run3	NM_003601	SMARCA5	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 5	5	-0.152374	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003601	SMARCA5	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 5	5	0.152374	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0036 01	SMARCA5	5	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member	0.646739 Inlier
siRNA Disorazole DMSO Run1	NM_0036 01	SMARCA5	5	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member	1.073711 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0036 01	SMARCA5	5	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member	2.21468 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 03802	SMARCD3	3	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member	-2.31908 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

			SWI/SNF related, matrix associated , actin dependent regulator of chromatin, subfamily d, member	
siRNA-Temozolomide Run1- DMSO	NM_0010 03802	SMARCD 3	3	-0.965176 Inlier

			SWI/SNF related, matrix associated , actin dependent regulator of chromatin, subfamily d, member	
siRNA-Temozolomide Run2- DMSO	NM_0010 03802	SMARCD 3	3	-0.709525 Inlier

			SWI/SNF related, matrix associated , actin dependent regulator of chromatin, subfamily d, member	
siRNA Disorazole DMSO Run1	NM_0010 03802	SMARCD 3	3	-0.188745 Inlier

			SWI/SNF related, matrix associated , actin dependent regulator of chromatin, subfamily d, member	
siRNA Disorazole DMSO Run2	NM_0010 03802	SMARCD 3	3	0.188745 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_001003802	SMARCD3	SMARCD3	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 3	0.381153	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001003802	SMARCD3	SMARCD3	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 3	0.639475	Inlier
siRNA Disorazole DMSO Run3	NM_001003802	SMARCD3	SMARCD3	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 3	0.793251	Inlier
siRNA Disorazole DMSO Run2	NM_014006	SMG1	SMG1		-1.642169	Inlier
siRNA-Temozolomide Run3-DMSO	NM_014006	SMG1	SMG1		-1.085119	Inlier
siRNA-Temozolomide Run1-DMSO	NM_014006	SMG1	SMG1		-0.73548	Inlier
siRNA Disorazole DMSO Run3	NM_014006	SMG1	SMG1		-0.344444	Inlier
siRNA Disorazole DMSO Run1	NM_014006	SMG1	SMG1		0.344444	Inlier
siRNA-Temozolomide Run2-DMSO	NM_014006	SMG1	SMG1		0.457939	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Vinblastine Run2- DMSO	NM_0140 06	SMG1	SMG1	0.61352	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0140 06	SMG1	SMG1	0.865936	Inlier
siRNA Disorazole DMSO Run3	NM_0056 31	SMO	smoothened homolog (Drosophila)	-1.561058	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0056 31	SMO	smoothened homolog (Drosophila)	-0.93822	Inlier
siRNA Disorazole DMSO Run1	NM_0056 31	SMO	smoothened homolog (Drosophila)	-0.41078	Inlier
siRNA Disorazole DMSO Run2	NM_0056 31	SMO	smoothened homolog (Drosophila)	-0.225323	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0056 31	SMO	smoothened homolog (Drosophila)	0.225324	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0056 31	SMO	smoothened homolog (Drosophila)	0.289855	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0056 31	SMO	smoothened homolog (Drosophila)	0.947638	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0056 31	SMO	smoothened homolog (Drosophila)	0.95172	Inlier
siRNA Disorazole DMSO Run1	NM_1758 42	SMOX	spermine oxidase	-0.719526	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1758 42	SMOX	spermine oxidase	-0.688144	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1758 42	SMOX	spermine oxidase	-0.660856	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1758 42	SMOX	spermine oxidase	-0.380458	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Temozolomide Run1- DMSO	NM_1758 42	SMOX	spermine oxidase	0.380457	Inlier
siRNA Disorazole DMSO Run3	NM_1758 42	SMOX	spermine oxidase	0.444659	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1758 42	SMOX	spermine oxidase	2.35713	Inlier
siRNA Disorazole DMSO Run2	NM_1758 42	SMOX	spermine oxidase	2.800126	Inlier
siRNA Disorazole DMSO Run1	NM_0251 63	SMP3	SMP3	-1.963058	Inlier
siRNA Disorazole DMSO Run3	NM_0251 63	SMP3	SMP3	-0.578617	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0251 63	SMP3	SMP3	-0.57815	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0251 63	SMP3	SMP3	-0.154475	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0251 63	SMP3	SMP3	0.154473	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0251 63	SMP3	SMP3	0.770383	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0251 63	SMP3	SMP3	1.14655	Inlier
siRNA Disorazole DMSO Run2	NM_0251 63	SMP3	SMP3	1.724055	Inlier
siRNA Disorazole DMSO Run2	NM_0010 07593	SMPD1	sphingomy elin phosphodi esterase 1, acid lysosomal (acid sphingomy elinase)	-2.362922	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0010 07593	SMPD1	sphingomy elin phosphodi esterase 1, acid lysosomal (acid sphingomy elinase)	-2.235868	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0010 07593	SMPD1	sphingomy elinase)	-0.688783	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0010 07593	SMPD1	sphingomyelin phosphodiesterase 1, acid lysosomal (acid sphingomyelinase)	-0.175591	Inlier
siRNA Disorazole DMSO Run3	NM_0010 07593	SMPD1	sphingomyelin phosphodiesterase 1, acid lysosomal (acid sphingomyelinase)	0.175591	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 07593	SMPD1	sphingomyelin phosphodiesterase 1, acid lysosomal (acid sphingomyelinase)	0.336746	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 07593	SMPD1	sphingomyelin phosphodiesterase 1, acid lysosomal (acid sphingomyelinase)	0.660217	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 07593	SMPD1	sphingomyelin phosphodiesterase 1, acid lysosomal (acid sphingomyelinase)	0.986742	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0030 80	SMPD2	sphingomyelin phosphodiesterase 2, neutral membrane (neutral sphingomyelinase) sphingomyelin phosphodiesterase 2, neutral membrane (neutral sphingomyelinase)	-2.702873	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0030 80	SMPD2	sphingomyelin phosphodiesterase 2, neutral membrane (neutral sphingomyelinase) sphingomyelin phosphodiesterase 2, neutral membrane (neutral sphingomyelinase)	-2.519609	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0030 80	SMPD2	sphingomyelin phosphodiesterase 2, neutral membrane (neutral sphingomyelinase) sphingomyelin phosphodiesterase 2, neutral membrane (neutral sphingomyelinase)	-0.801295	Inlier
siRNA Disorazole DMSO Run1	NM_0030 80	SMPD2	sphingomyelin phosphodiesterase 2, neutral membrane (neutral sphingomyelinase) sphingomyelin phosphodiesterase 2, neutral membrane (neutral sphingomyelinase)	-0.382033	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0030 80	SMPD2	sphingomyelin phosphodiesterase 2, neutral membrane (neutral sphingomyelinase) sphingomyelin phosphodiesterase 2, neutral membrane (neutral sphingomyelinase)	0.382033	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_003080	SMPD2	0.556009	Inlier	sphingomyelin phosphodiesterase 2, neutral membrane (neutral sphingomyelinase)
siRNA-Vinblastine Run2-DMSO	NM_003080	SMPD2	0.616721	Inlier	sphingomyelin phosphodiesterase 2, neutral membrane (neutral sphingomyelinase)
siRNA Disorazole DMSO Run3	NM_003080	SMPD2	0.732279	Inlier	sphingomyelin phosphodiesterase 3, neutral membrane (neutral sphingomyelinase II)
siRNA Disorazole DMSO Run2	NM_018667	SMPD3	-1.172016	Inlier	sphingomyelin phosphodiesterase 3, neutral membrane (neutral sphingomyelinase II)
siRNA-Temozolomide Run3-DMSO	NM_018667	SMPD3	-0.728172	Inlier	sphingomyelin phosphodiesterase 3, neutral membrane (neutral sphingomyelinase II)

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_018667	SMPD3	sphingomyelin phosphodiesterase 3, neutral membrane (neutral sphingomyelinase II)	-0.620828	Inlier
siRNA Disorazole DMSO Run1	NM_018667	SMPD3	sphingomyelin phosphodiesterase 3, neutral membrane (neutral sphingomyelinase II)	-0.317416	Inlier
siRNA-Temozolomide Run1-DMSO	NM_018667	SMPD3	sphingomyelin phosphodiesterase 3, neutral membrane (neutral sphingomyelinase II)	0.317415	Inlier
siRNA-Vinblastine Run2-DMSO	NM_018667	SMPD3	sphingomyelin phosphodiesterase 3, neutral membrane (neutral sphingomyelinase II)	0.615267	Inlier
siRNA-Vinblastine Run1-DMSO	NM_018667	SMPD3	sphingomyelin phosphodiesterase 3, neutral membrane (neutral sphingomyelinase II)	0.867706	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0186 67	SMPD3	sphingomyelin phosphodiesterase 3, neutral membrane (neutral sphingomyelinase II)	4.109253	Outlier
siRNA Disorazole DMSO Run2	NM_0067 14	SMPDL3A	sphingomyelin phosphodiesterase, acid-like 3A	-1.838272	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0067 14	SMPDL3A	sphingomyelin phosphodiesterase, acid-like 3A	-1.131805	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0067 14	SMPDL3A	sphingomyelin phosphodiesterase, acid-like 3A	-0.217195	Inlier
siRNA Disorazole DMSO Run3	NM_0067 14	SMPDL3A	sphingomyelin phosphodiesterase, acid-like 3A	-0.098142	Inlier
siRNA Disorazole DMSO Run1	NM_0067 14	SMPDL3A	sphingomyelin phosphodiesterase, acid-like 3A	0.098142	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0067 14	SMPDL3A	sphingomyelin phosphodiesterase, acid-like 3A	0.154206	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0067 14	SMPDL3A	sphingomyelin phosphodiesterase, acid-like 3A	1.198392	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0067 14	SMPDL3A	3A	1.526341	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0144 74	SMPDL3B	3B	-2.419797	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0144 74	SMPDL3B	3B	-1.290748	Inlier
siRNA Disorazole DMSO Run2	NM_0144 74	SMPDL3B	3B	-0.689483	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0144 74	SMPDL3B	3B	-0.188539	Inlier
siRNA Disorazole DMSO Run1	NM_0144 74	SMPDL3B	3B	0.18854	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0144 74	SMPDL3B	3B	0.216005	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0144 74	SMPDL3B	3B	0.659517	Inlier

sphingomy
elin

phosphodi
esterase,
acid-like

sphingomy
elin

phosphodi
esterase,
acid-like

sphingomy
elin

phosphodi
esterase,
acid-like

sphingomy
elin

phosphodi
esterase,
acid-like

sphingomy
elin

phosphodi
esterase,
acid-like

sphingomy
elin

phosphodi
esterase,
acid-like

sphingomy
elin

phosphodi
esterase,
acid-like

sphingomy
elin

phosphodi
esterase,
acid-like

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			sphingomyelin phosphodiesterase, acid-like	
siRNA Disorazole DMSO Run3	NM_0144 74	SMPDL3B	3B	0.923725 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0045 95	SMS	spermine synthase	-0.897918 Inlier
siRNA Disorazole DMSO Run3	NM_0045 95	SMS	spermine synthase	-0.451082 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0045 95	SMS	spermine synthase	-0.308988 Inlier
siRNA Disorazole DMSO Run1	NM_0045 95	SMS	spermine synthase	-0.111447 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0045 95	SMS	spermine synthase	0.111447 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0045 95	SMS	spermine synthase	1.562671 Inlier
siRNA Disorazole DMSO Run2	NM_0045 95	SMS	spermine synthase	3.502179 Outlier
siRNA-Vinblastine Run1-DMSO	NM_0045 95	SMS	spermine synthase	3.787844 Outlier
			SMAD specific E3 ubiquitin protein ligase 1	
siRNA-Temozolomide Run3-DMSO	NM_0204 29	SMURF1	ligase 1	-0.898957 Inlier
			SMAD specific E3 ubiquitin protein ligase 1	
siRNA-Temozolomide Run2-DMSO	NM_0204 29	SMURF1	ligase 1	-0.830828 Inlier
			SMAD specific E3 ubiquitin protein ligase 1	
siRNA Disorazole DMSO Run3	NM_0204 29	SMURF1	ligase 1	-0.543401 Inlier
			SMAD specific E3 ubiquitin protein ligase 1	
siRNA-Vinblastine Run2-DMSO	NM_0204 29	SMURF1	ligase 1	-0.008228 Inlier
			SMAD specific E3 ubiquitin protein ligase 1	
siRNA-Temozolomide Run1-DMSO	NM_0204 29	SMURF1	ligase 1	0.008228 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0204 29	SMURF1	SMAD specific E3 ubiquitin protein ligase 1	0.317126	Inlier
siRNA Disorazole DMSO Run2	NM_0204 29	SMURF1	SMAD specific E3 ubiquitin protein ligase 1	0.805599	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0204 29	SMURF1	SMAD specific E3 ubiquitin protein ligase 1	0.892653	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0227 39	SMURF2	SMAD specific E3 ubiquitin protein ligase 2	-1.307592	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0227 39	SMURF2	SMAD specific E3 ubiquitin protein ligase 2	-0.935524	Inlier
siRNA Disorazole DMSO Run3	NM_0227 39	SMURF2	SMAD specific E3 ubiquitin protein ligase 2	-0.261125	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0227 39	SMURF2	SMAD specific E3 ubiquitin protein ligase 2	-0.187843	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0227 39	SMURF2	SMAD specific E3 ubiquitin protein ligase 2	0.187843	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0227 39	SMURF2	SMAD specific E3 ubiquitin protein ligase 2	0.413476 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0227 39	SMURF2	SMAD specific E3 ubiquitin protein ligase 2	1.039648 Inlier
siRNA Disorazole DMSO Run2	NM_0227 39	SMURF2	SMAD specific E3 ubiquitin protein ligase 2	1.176627 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0124 37	SNAPAP	SNAP- associated protein	-0.956497 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0124 37	SNAPAP	SNAP- associated protein	-0.72014 Inlier
siRNA Disorazole DMSO Run1	NM_0124 37	SNAPAP	SNAP- associated protein	-0.62886 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0124 37	SNAPAP	SNAP- associated protein	-0.527662 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0124 37	SNAPAP	SNAP- associated protein	0.527662 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0124 37	SNAPAP	SNAP- associated protein	0.562027 Inlier
siRNA Disorazole DMSO Run3	NM_0124 37	SNAPAP	SNAP- associated protein	0.881655 Inlier
siRNA Disorazole DMSO Run2	NM_0124 37	SNAPAP	SNAP- associated protein	2.80209 Inlier
siRNA Disorazole DMSO Run2	NM_0309 52	SNARK	NUAK family, SNF1-like kinase, 2	-1.766591 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0309 52	SNARK	NUAK family, SNF1-like kinase, 2	-0.968932 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0309 52	SNARK	NUAK family, SNF1-like kinase, 2	-0.361868	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0309 52	SNARK	NUAK family, SNF1-like kinase, 2	-0.239564	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0309 52	SNARK	NUAK family, SNF1-like kinase, 2	0.239564	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0309 52	SNARK	NUAK family, SNF1-like kinase, 2	0.628317	Inlier
siRNA Disorazole DMSO Run1	NM_0309 52	SNARK	NUAK family, SNF1-like kinase, 2	0.720683	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0309 52	SNARK	NUAK family, SNF1-like kinase, 2	1.713193	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1733 54	SNF1LK	SNF1-like kinase	-1.218881	Inlier
siRNA Disorazole DMSO Run3	NM_1733 54	SNF1LK	SNF1-like kinase	-0.823441	Inlier
siRNA Disorazole DMSO Run2	NM_1733 54	SNF1LK	SNF1-like kinase	-0.525559	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1733 54	SNF1LK	SNF1-like kinase	-0.333374	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1733 54	SNF1LK	SNF1-like kinase	0.333374	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1733 54	SNF1LK	SNF1-like kinase	0.385833	Inlier
siRNA Disorazole DMSO Run1	NM_1733 54	SNF1LK	SNF1-like kinase	0.943484	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1733 54	SNF1LK	SNF1-like kinase	3.019922	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0177 19	SNRK	SNF related kinase	-4.272637	Outlier
siRNA-Temozolomide Run1- DMSO	NM_0177 19	SNRK	SNF related kinase	-2.411447	Inlier
siRNA Disorazole DMSO Run3	NM_0177 19	SNRK	SNF related kinase	-0.165944	Inlier
siRNA Disorazole DMSO Run2	NM_0177 19	SNRK	SNF related kinase	-0.000667	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology			SNF	
siRNA-Temozolomide Run2-DMSO	NM_0177 19	SNRK	related kinase	0.000667 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0177 19	SNRK	related kinase	0.487613 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0177 19	SNRK	related kinase	0.861387 Inlier
siRNA Disorazole DMSO Run1	NM_0177 19	SNRK	related kinase	1.521704 Inlier
siRNA Disorazole DMSO Run2	NM_0151 32	SNX13	sorting nexin 13	-1.079105 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0151 32	SNX13	sorting nexin 13	-0.73902 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0151 32	SNX13	sorting nexin 13	-0.268755 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0151 32	SNX13	sorting nexin 13	-0.042786 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0151 32	SNX13	sorting nexin 13	0.042787 Inlier
siRNA Disorazole DMSO Run1	NM_0151 32	SNX13	sorting nexin 13	0.60998 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0151 32	SNX13	sorting nexin 13	0.84675 Inlier
siRNA Disorazole DMSO Run3	NM_0151 32	SNX13	sorting nexin 13	1.480805 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0529 48	SNX26	sorting nexin 26	-0.872405 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0529 48	SNX26	sorting nexin 26	-0.657825 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0529 48	SNX26	sorting nexin 26	-0.554837 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0529 48	SNX26	sorting nexin 26	-0.092762 Inlier
siRNA Disorazole DMSO Run3	NM_0529 48	SNX26	sorting nexin 26	0.092762 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0529 48	SNX26	sorting nexin 26	0.691175 Inlier
siRNA Disorazole DMSO Run1	NM_0529 48	SNX26	sorting nexin 26	1.25333 Inlier
siRNA Disorazole DMSO Run2	NM_0529 48	SNX26	sorting nexin 26	1.268135 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_197965	SOAT	solute carrier family 10 (sodium/bile acid cotransporter family), member 6	-2.1597	Inlier
siRNA Disorazole DMSO Run2	NM_197965	SOAT	solute carrier family 10 (sodium/bile acid cotransporter family), member 6	-1.779606	Inlier
siRNA-Temozolomide Run2-DMSO	NM_197965	SOAT	solute carrier family 10 (sodium/bile acid cotransporter family), member 6	-0.920369	Inlier
siRNA-Temozolomide Run1-DMSO	NM_197965	SOAT	solute carrier family 10 (sodium/bile acid cotransporter family), member 6	-0.178904	Inlier
siRNA Disorazole DMSO Run1	NM_197965	SOAT	solute carrier family 10 (sodium/bile acid cotransporter family), member 6	0.178904	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_197965	SOAT	solute carrier family 10 (sodium/bile acid cotransporter family), member 6	0.444372	Inlier
siRNA Disorazole DMSO Run3	NM_197965	SOAT	solute carrier family 10 (sodium/bile acid cotransporter family), member 6	0.633107	Inlier
siRNA-Vinblastine Run2-DMSO	NM_197965	SOAT	solute carrier family 10 (sodium/bile acid cotransporter family), member 6	0.715893	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003101	SOAT1	sterol O-acyltransferase (acyl-Coenzyme A: cholesterol acyltransferase) 1	-2.480594	Inlier
siRNA Disorazole DMSO Run3	NM_003101	SOAT1	sterol O-acyltransferase (acyl-Coenzyme A: cholesterol acyltransferase) 1	-1.009947	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_003101	SOAT1	sterol O-acyltransferase (acyl-Coenzyme A: cholesterol acyltransferase) 1	-0.320922	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003101	SOAT1	sterol O-acyltransferase (acyl-Coenzyme A: cholesterol acyltransferase) 1	-0.280511	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003101	SOAT1	sterol O-acyltransferase (acyl-Coenzyme A: cholesterol acyltransferase) 1	0.280511	Inlier
siRNA Disorazole DMSO Run1	NM_003101	SOAT1	sterol O-acyltransferase (acyl-Coenzyme A: cholesterol acyltransferase) 1	0.487267	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003101	SOAT1	sterol O-acyltransferase (acyl-Coenzyme A: cholesterol acyltransferase) 1	0.861732	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0031 01	SOAT1	sterol O-acyltransferase (acyl-Coenzyme A: cholesterol acyltransferase) 1	1.37536	Inlier
siRNA Disorazole DMSO Run1	NM_0035 78	SOAT2	sterol O-acyltransferase 2	-1.259569	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0035 78	SOAT2	sterol O-acyltransferase 2	-0.566255	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0035 78	SOAT2	sterol O-acyltransferase 2	-0.489383	Inlier
siRNA Disorazole DMSO Run3	NM_0035 78	SOAT2	sterol O-acyltransferase 2	-0.408358	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0035 78	SOAT2	sterol O-acyltransferase 2	0.408358	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0035 78	SOAT2	sterol O-acyltransferase 2	0.782745	Inlier
siRNA Disorazole DMSO Run2	NM_0035 78	SOAT2	sterol O-acyltransferase 2	0.83655	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0035 78	SOAT2	sterol O-acyltransferase 2	1.130116	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0004 54	SOD1	superoxide dismutase 1, soluble (amyotrophic lateral sclerosis 1 (adult))	-0.948893	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0004 54	SOD1	superoxide dismutase 1, soluble (amyotrophic lateral sclerosis 1 (adult))	-0.400107	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_000454	SOD1	superoxide dismutase 1, soluble (amyotrophic lateral sclerosis 1 (adult))	-0.356013	Inlier
siRNA Disorazole DMSO Run3	NM_000454	SOD1	superoxide dismutase 1, soluble (amyotrophic lateral sclerosis 1 (adult))	-0.085214	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000454	SOD1	superoxide dismutase 1, soluble (amyotrophic lateral sclerosis 1 (adult))	0.085214	Inlier
siRNA Disorazole DMSO Run1	NM_000454	SOD1	superoxide dismutase 1, soluble (amyotrophic lateral sclerosis 1 (adult))	3.928799	Outlier
siRNA-Vinblastine Run1-DMSO	NM_000454	SOD1	superoxide dismutase 1, soluble (amyotrophic lateral sclerosis 1 (adult))	6.401504	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0004 54	SOD1	superoxide dismutase 1, soluble (amyotrophic lateral sclerosis 1 (adult))	6.923231	Outlier
siRNA Disorazole DMSO Run3	NM_0010 24466	SOD2	superoxide dismutase 2, mitochondrial	-1.236176	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0010 24466	SOD2	superoxide dismutase 2, mitochondrial	-0.863483	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0010 24466	SOD2	superoxide dismutase 2, mitochondrial	-0.446934	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0010 24466	SOD2	superoxide dismutase 2, mitochondrial	-0.163565	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0010 24466	SOD2	superoxide dismutase 2, mitochondrial	0.163565	Inlier
siRNA Disorazole DMSO Run1	NM_0010 24466	SOD2	superoxide dismutase 2, mitochondrial	0.485517	Inlier
siRNA Disorazole DMSO Run2	NM_0010 24466	SOD2	superoxide dismutase 2, mitochondrial	0.935601	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log2 Fold Change	Outlier Status
siRNA-Vinblastine Run1-DMSO	NM_001024466	SOD2	superoxide dismutase 2, mitochondrial	1.768297	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003102	SOD3	superoxide dismutase 3, extracellular	-2.005036	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003102	SOD3	superoxide dismutase 3, extracellular	-1.916764	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003102	SOD3	superoxide dismutase 3, extracellular	-0.552328	Inlier
siRNA Disorazole DMSO Run1	NM_003102	SOD3	superoxide dismutase 3, extracellular	-0.188928	Inlier
siRNA Disorazole DMSO Run3	NM_003102	SOD3	superoxide dismutase 3, extracellular	0.188929	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003102	SOD3	superoxide dismutase 3, extracellular	0.28128	Inlier
siRNA Disorazole DMSO Run2	NM_003102	SOD3	superoxide dismutase 3, extracellular	0.796672	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_003102	SOD3	superoxide dismutase 3, extracellular	2.651654	Inlier
siRNA Disorazole DMSO Run2	NM_005632	SOLH	small optic lobes homolog (Drosophila)	-3.050415	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005632	SOLH	small optic lobes homolog (Drosophila)	-1.09891	Inlier
siRNA Disorazole DMSO Run1	NM_005632	SOLH	small optic lobes homolog (Drosophila)	-0.794616	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005632	SOLH	small optic lobes homolog (Drosophila)	-0.234408	Inlier
siRNA Disorazole DMSO Run3	NM_005632	SOLH	small optic lobes homolog (Drosophila)	0.234408	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005632	SOLH	small optic lobes homolog (Drosophila)	0.523078	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005632	SOLH	small optic lobes homolog (Drosophila)	0.554384	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_005632	SOLH	small optic lobes homolog (Drosophila)	0.990477	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001013031	SORCS1	sortilin-related VPS10 domain containing receptor 1	-0.691574	Inlier
siRNA Disorazole DMSO Run1	NM_001013031	SORCS1	sortilin-related VPS10 domain containing receptor 1	-0.657425	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001013031	SORCS1	sortilin-related VPS10 domain containing receptor 1	-0.657073	Inlier
siRNA Disorazole DMSO Run3	NM_001013031	SORCS1	sortilin-related VPS10 domain containing receptor 1	-0.200805	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001013031	SORCS1	sortilin-related VPS10 domain containing receptor 1	0.200805	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001013031	SORCS1	sortilin-related VPS10 domain containing receptor 1	1.503109	Inlier
siRNA Disorazole DMSO Run2	NM_001013031	SORCS1	sortilin-related VPS10 domain containing receptor 1	2.007905	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0010 13031	SORCS1	sortilin-related VPS10 domain containing receptor 1	2.758552	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0207 77	SORCS2	sortilin-related VPS10 domain containing receptor 2	-1.224341	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0207 77	SORCS2	sortilin-related VPS10 domain containing receptor 2	-0.72265	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0207 77	SORCS2	sortilin-related VPS10 domain containing receptor 2	-0.62635	Inlier
siRNA Disorazole DMSO Run3	NM_0207 77	SORCS2	sortilin-related VPS10 domain containing receptor 2	-0.036741	Inlier
siRNA Disorazole DMSO Run1	NM_0207 77	SORCS2	sortilin-related VPS10 domain containing receptor 2	0.036741	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0207 77	SORCS2	sortilin-related VPS10 domain containing receptor 2	0.043743	Inlier
siRNA Disorazole DMSO Run2	NM_0207 77	SORCS2	sortilin-related VPS10 domain containing receptor 2	2.161808	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_020777	SORCS2	sortilin-related VPS10 domain containing receptor 2	2.281886	Inlier
siRNA-Vinblastine Run2-DMSO	NM_014978	SORCS3	sortilin-related VPS10 domain containing receptor 3	-0.703537	Inlier
siRNA-Temozolomide Run2-DMSO	NM_014978	SORCS3	sortilin-related VPS10 domain containing receptor 3	-0.645463	Inlier
siRNA-Temozolomide Run3-DMSO	NM_014978	SORCS3	sortilin-related VPS10 domain containing receptor 3	-0.348128	Inlier
siRNA Disorazole DMSO Run1	NM_014978	SORCS3	sortilin-related VPS10 domain containing receptor 3	-0.188882	Inlier
siRNA Disorazole DMSO Run3	NM_014978	SORCS3	sortilin-related VPS10 domain containing receptor 3	0.188882	Inlier
siRNA-Temozolomide Run1-DMSO	NM_014978	SORCS3	sortilin-related VPS10 domain containing receptor 3	1.080054	Inlier
siRNA Disorazole DMSO Run2	NM_014978	SORCS3	sortilin-related VPS10 domain containing receptor 3	4.215741	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_014978	SORCS3	sortilin-related VPS10 domain containing receptor 3	5.672147	Outlier
siRNA-Vinblastine Run2-DMSO	NM_003104	SORD	sorbitol dehydrogenase	-3.107358	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003104	SORD	sorbitol dehydrogenase	-2.18601	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003104	SORD	sorbitol dehydrogenase	-1.073105	Inlier
siRNA Disorazole DMSO Run1	NM_003104	SORD	sorbitol dehydrogenase	-0.116388	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003104	SORD	sorbitol dehydrogenase	0.116388	Inlier
siRNA Disorazole DMSO Run2	NM_003104	SORD	sorbitol dehydrogenase	0.21162	Inlier
siRNA Disorazole DMSO Run3	NM_003104	SORD	sorbitol dehydrogenase	0.324207	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003104	SORD	sorbitol dehydrogenase	1.024793	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003105	SORL1	sortilin-related receptor, L(DLR class) A repeats-containing	-1.050027	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003105	SORL1	sortilin-related receptor, L(DLR class) A repeats-containing	-1.010947	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003105	SORL1	sortilin-related receptor, L(DLR class) A repeats-containing	-0.579178	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0031 05	SORL1	sortilin-related receptor, L(DLR class) A repeats-containing	-0.195745	Inlier
siRNA Disorazole DMSO Run1	NM_0031 05	SORL1	sortilin-related receptor, L(DLR class) A repeats-containing	0.195745	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0031 05	SORL1	sortilin-related receptor, L(DLR class) A repeats-containing	0.564327	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0031 05	SORL1	sortilin-related receptor, L(DLR class) A repeats-containing	0.769822	Inlier
siRNA Disorazole DMSO Run2	NM_0031 05	SORL1	sortilin-related receptor, L(DLR class) A repeats-containing	1.744686	Inlier
siRNA Disorazole DMSO Run1	NM_0029 59	SORT1	sortilin 1	-2.708069	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0029 59	SORT1	sortilin 1	-0.812712	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0029 59	SORT1	sortilin 1	-0.284435	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0029 59	SORT1	sortilin 1	-0.211557	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0029 59	SORT1	sortilin 1	0.211558	Inlier
siRNA Disorazole DMSO Run2	NM_0029 59	SORT1	sortilin 1	0.536288	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0029 59	SORT1	sortilin 1	1.296583	Inlier
siRNA Disorazole DMSO Run3	NM_0029 59	SORT1	sortilin 1	3.682186	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_005633	SOS1	son of sevenless homolog 1 (Drosophila)	-1.216927	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005633	SOS1	son of sevenless homolog 1 (Drosophila)	-0.960479	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005633	SOS1	son of sevenless homolog 1 (Drosophila)	-0.442809	Inlier
siRNA Disorazole DMSO Run3	NM_005633	SOS1	son of sevenless homolog 1 (Drosophila)	-0.039346	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005633	SOS1	son of sevenless homolog 1 (Drosophila)	0.039346	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005633	SOS1	son of sevenless homolog 1 (Drosophila)	0.613929	Inlier
siRNA Disorazole DMSO Run1	NM_005633	SOS1	son of sevenless homolog 1 (Drosophila)	0.735071	Inlier
siRNA Disorazole DMSO Run2	NM_005633	SOS1	son of sevenless homolog 1 (Drosophila)	0.779398	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004510	SP110	SP110 nuclear body protein	-1.126702	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0045 10	SP110	SP110 nuclear body protein	-0.934588	Inlier
siRNA Disorazole DMSO Run2	NM_0045 10	SP110	SP110 nuclear body protein	-0.414412	Inlier
siRNA Disorazole DMSO Run3	NM_0045 10	SP110	SP110 nuclear body protein	-0.206301	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0045 10	SP110	SP110 nuclear body protein	0.206301	Inlier
siRNA Disorazole DMSO Run1	NM_0045 10	SP110	SP110 nuclear body protein	0.409747	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0045 10	SP110	SP110 nuclear body protein	1.025043	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0045 10	SP110	SP110 nuclear body protein sperm adhesion molecule 1 (PH-20 hyaluronid ase, zona pellucida binding)	1.372334	Inlier
siRNA Disorazole DMSO Run3	NM_1531 89	SPAM1	SPAM1 sperm adhesion molecule 1 (PH-20 hyaluronid ase, zona pellucida binding)	-0.809852	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1531 89	SPAM1	SPAM1 sperm adhesion molecule 1 (PH-20 hyaluronid ase, zona pellucida binding)	-0.568164	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1531 89	SPAM1	SPAM1 sperm adhesion molecule 1 (PH-20 hyaluronid ase, zona pellucida binding)	-0.535613	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_1531 89	SPAM1	sperm adhesion molecule 1 (PH-20 hyaluronidase, zona pellucida binding)	-0.409554	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1531 89	SPAM1	sperm adhesion molecule 1 (PH-20 hyaluronidase, zona pellucida binding)	0.409554	Inlier
siRNA Disorazole DMSO Run1	NM_1531 89	SPAM1	sperm adhesion molecule 1 (PH-20 hyaluronidase, zona pellucida binding)	0.780836	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1531 89	SPAM1	sperm adhesion molecule 1 (PH-20 hyaluronidase, zona pellucida binding)	1.335911	Inlier
siRNA Disorazole DMSO Run2	NM_1531 89	SPAM1	sperm adhesion molecule 1 (PH-20 hyaluronidase, zona pellucida binding)	1.707354	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0307 64	SPAP1	SH2 domain containing phosphatase anchor protein 1	-2.460132	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0307 64	SPAP1	SH2 domain containing phosphata se anchor protein 1	-1.016735	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0307 64	SPAP1	SH2 domain containing phosphata se anchor protein 1	-0.043986	Inlier
siRNA Disorazole DMSO Run1	NM_0307 64	SPAP1	SH2 domain containing phosphata se anchor protein 1	-0.008678	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0307 64	SPAP1	SH2 domain containing phosphata se anchor protein 1	0.008677	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0307 64	SPAP1	SH2 domain containing phosphata se anchor protein 1	0.332265	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0307 64	SPAP1	SH2 domain containing phosphata se anchor protein 1	1.031715	Inlier
siRNA Disorazole DMSO Run2	NM_0307 64	SPAP1	SH2 domain containing phosphata se anchor protein 1	4.209998	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_145207	SPATA5	spermatogenesis associated 5	-0.782314	Inlier
siRNA-Vinblastine Run2-DMSO	NM_145207	SPATA5	spermatogenesis associated 5	-0.696003	Inlier
siRNA Disorazole DMSO Run3	NM_145207	SPATA5	spermatogenesis associated 5	-0.652997	Inlier
siRNA-Temozolomide Run2-DMSO	NM_145207	SPATA5	spermatogenesis associated 5	-0.172744	Inlier
siRNA Disorazole DMSO Run1	NM_145207	SPATA5	spermatogenesis associated 5	0.172744	Inlier
siRNA-Temozolomide Run1-DMSO	NM_145207	SPATA5	spermatogenesis associated 5	0.28696	Inlier
siRNA-Vinblastine Run1-DMSO	NM_145207	SPATA5	spermatogenesis associated 5	2.021378	Inlier
siRNA Disorazole DMSO Run2	NM_145207	SPATA5	spermatogenesis associated 5	2.203163	Inlier
siRNA-Temozolomide Run3-DMSO	NM_024063	SPATA5L1	spermatogenesis associated 5-like 1	-0.928215	Inlier
siRNA Disorazole DMSO Run3	NM_024063	SPATA5L1	spermatogenesis associated 5-like 1	-0.420785	Inlier
siRNA-Temozolomide Run2-DMSO	NM_024063	SPATA5L1	spermatogenesis associated 5-like 1	-0.413886	Inlier
siRNA-Vinblastine Run2-DMSO	NM_024063	SPATA5L1	spermatogenesis associated 5-like 1	-0.128145	Inlier
siRNA-Temozolomide Run1-DMSO	NM_024063	SPATA5L1	spermatogenesis associated 5-like 1	0.128145	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_024063	SPATA5L1	spermatogenesis associated 5-like 1	1.459142	Inlier
siRNA-Vinblastine Run1-DMSO	NM_024063	SPATA5L1	spermatogenesis associated 5-like 1	1.62174	Inlier
siRNA Disorazole DMSO Run2	NM_024063	SPATA5L1	spermatogenesis associated 5-like 1	1.766241	Inlier
siRNA Disorazole DMSO Run1	NM_014300	SPC18	SEC11-like 1 (S. cerevisiae)	-4.089688	Outlier
siRNA-Temozolomide Run2-DMSO	NM_014300	SPC18	SEC11-like 1 (S. cerevisiae)	-1.931071	Inlier
siRNA-Temozolomide Run1-DMSO	NM_014300	SPC18	SEC11-like 1 (S. cerevisiae)	-0.881947	Inlier
siRNA-Vinblastine Run1-DMSO	NM_014300	SPC18	SEC11-like 1 (S. cerevisiae)	-0.201871	Inlier
siRNA-Temozolomide Run3-DMSO	NM_014300	SPC18	SEC11-like 1 (S. cerevisiae)	0.201872	Inlier
siRNA Disorazole DMSO Run2	NM_014300	SPC18	SEC11-like 1 (S. cerevisiae)	0.409125	Inlier
siRNA-Vinblastine Run2-DMSO	NM_014300	SPC18	SEC11-like 1 (S. cerevisiae)	0.467053	Inlier
siRNA Disorazole DMSO Run3	NM_014300	SPC18	SEC11-like 1 (S. cerevisiae)	1.201914	Inlier
siRNA-Temozolomide Run2-DMSO	NM_182756	SPDY1	speedy homolog 1 (Drosophila)	-1.835749	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_1827 56	SPDY1	speedy homolog 1 (Drosophil a)	-0.942654	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1827 56	SPDY1	speedy homolog 1 (Drosophil a)	-0.649014	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1827 56	SPDY1	speedy homolog 1 (Drosophil a)	-0.122269	Inlier
siRNA Disorazole DMSO Run1	NM_1827 56	SPDY1	speedy homolog 1 (Drosophil a)	0.122269	Inlier
siRNA Disorazole DMSO Run3	NM_1827 56	SPDY1	speedy homolog 1 (Drosophil a)	0.548699	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1827 56	SPDY1	speedy homolog 1 (Drosophil a)	0.699986	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1827 56	SPDY1	speedy homolog 1 (Drosophil a)	1.005528	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1993 67	SPG7	spastic paraplegia 7, paraplegin (pure and complicate d autosomal recessive)	-1.242479	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_199367	SPG7	spastic paraplegia 7, paraplegin (pure and complicated autosomal recessive)	-0.809718	Inlier
siRNA Disorazole DMSO Run2	NM_199367	SPG7	spastic paraplegia 7, paraplegin (pure and complicated autosomal recessive)	-0.59429	Inlier
siRNA-Temozolomide Run1-DMSO	NM_199367	SPG7	spastic paraplegia 7, paraplegin (pure and complicated autosomal recessive)	-0.006692	Inlier
siRNA Disorazole DMSO Run3	NM_199367	SPG7	spastic paraplegia 7, paraplegin (pure and complicated autosomal recessive)	0.006692	Inlier
siRNA Disorazole DMSO Run1	NM_199367	SPG7	spastic paraplegia 7, paraplegin (pure and complicated autosomal recessive)	0.194154	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_199367	SPG7	spastic paraplegia 7, paraplegin (pure and complicated autosomal recessive)	0.75471	Inlier
siRNA-Vinblastine Run2-DMSO	NM_199367	SPG7	spastic paraplegia 7, paraplegin (pure and complicated autosomal recessive)	0.918384	Inlier
siRNA-Temozolomide Run2-DMSO	NM_182965	SPHK1	sphingosine kinase 1	-1.607063	Inlier
siRNA-Temozolomide Run3-DMSO	NM_182965	SPHK1	sphingosine kinase 1	-1.426051	Inlier
siRNA Disorazole DMSO Run1	NM_182965	SPHK1	sphingosine kinase 1	-0.51638	Inlier
siRNA Disorazole DMSO Run3	NM_182965	SPHK1	sphingosine kinase 1	-0.184459	Inlier
siRNA Disorazole DMSO Run2	NM_182965	SPHK1	sphingosine kinase 1	0.184459	Inlier
siRNA-Vinblastine Run2-DMSO	NM_182965	SPHK1	sphingosine kinase 1	0.513806	Inlier
siRNA-Temozolomide Run1-DMSO	NM_182965	SPHK1	sphingosine kinase 1	0.83262	Inlier
siRNA-Vinblastine Run1-DMSO	NM_182965	SPHK1	sphingosine kinase 1	0.858699	Inlier
siRNA Disorazole DMSO Run2	NM_020126	SPHK2	sphingosine kinase 2	-1.743673	Inlier
siRNA-Temozolomide Run3-DMSO	NM_020126	SPHK2	sphingosine kinase 2	-0.974062	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0201 26	SPHK2	sphingosin e kinase 2	-0.163801	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0201 26	SPHK2	sphingosin e kinase 2	-0.063276	Inlier
siRNA Disorazole DMSO Run1	NM_0201 26	SPHK2	sphingosin e kinase 2	0.063276	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0201 26	SPHK2	sphingosin e kinase 2	0.374938	Inlier
siRNA Disorazole DMSO Run3	NM_0201 26	SPHK2	sphingosin e kinase 2	1.224462	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0201 26	SPHK2	sphingosin e kinase 2	1.464607	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0031 22	SPINK1	serine protease inhibitor, Kazal type 1	-0.707864	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0031 22	SPINK1	serine protease inhibitor, Kazal type 1	-0.641136	Inlier
siRNA Disorazole DMSO Run3	NM_0031 22	SPINK1	serine protease inhibitor, Kazal type 1	-0.493737	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0031 22	SPINK1	serine protease inhibitor, Kazal type 1	-0.143219	Inlier
siRNA Disorazole DMSO Run1	NM_0031 22	SPINK1	serine protease inhibitor, Kazal type 1	0.143219	Inlier
siRNA Disorazole DMSO Run2	NM_0031 22	SPINK1	serine protease inhibitor, Kazal type 1	3.680363	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0031 22	SPINK1	serine protease inhibitor, Kazal type 1	5.184735 Outlier
siRNA-Vinblastine Run2-DMSO	NM_0031 22	SPINK1	serine protease inhibitor, Kazal type 1	5.473429 Outlier
siRNA Disorazole DMSO Run1	NM_0211 14	SPINK2	serine protease inhibitor, Kazal type 2 (acrosin- trypsin inhibitor)	-1.303946 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0211 14	SPINK2	serine protease inhibitor, Kazal type 2 (acrosin- trypsin inhibitor)	-1.055959 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0211 14	SPINK2	serine protease inhibitor, Kazal type 2 (acrosin- trypsin inhibitor)	-0.453464 Inlier
siRNA Disorazole DMSO Run3	NM_0211 14	SPINK2	serine protease inhibitor, Kazal type 2 (acrosin- trypsin inhibitor)	-0.070471 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0211 14	SPINK2	serine protease inhibitor, Kazal type 2 (acrosin- trypsin inhibitor)	0.070472 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0211 14	SPINK2	serine protease inhibitor, Kazal type 2 (acrosin- trypsin inhibitor)	0.136801 Inlier
siRNA Disorazole DMSO Run2	NM_0211 14	SPINK2	serine protease inhibitor, Kazal type 2 (acrosin- trypsin inhibitor)	0.895536 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0211 14	SPINK2	serine protease inhibitor, Kazal type 2 (acrosin- trypsin inhibitor)	2.171983 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0144 71	SPINK4	serine protease inhibitor, Kazal type 4	-1.424337 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0144 71	SPINK4	serine protease inhibitor, Kazal type 4	-0.967099 Inlier
siRNA Disorazole DMSO Run1	NM_0144 71	SPINK4	serine protease inhibitor, Kazal type 4	-0.207102 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0144 71	SPINK4	serine protease inhibitor, Kazal type 4	-0.169164 Inlier
siRNA Disorazole DMSO Run3	NM_0144 71	SPINK4	serine protease inhibitor, Kazal type 4	0.169164 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0144 71	SPINK4	serine protease inhibitor, Kazal type 4	0.381901	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0144 71	SPINK4	serine protease inhibitor, Kazal type 4	0.99308	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0144 71	SPINK4	serine protease inhibitor, Kazal type 4	1.642796	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0068 46	SPINK5	serine protease inhibitor, Kazal type 5	-1.590181	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0068 46	SPINK5	serine protease inhibitor, Kazal type 5	-0.742914	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0068 46	SPINK5	serine protease inhibitor, Kazal type 5	-0.606086	Inlier
siRNA Disorazole DMSO Run3	NM_0068 46	SPINK5	serine protease inhibitor, Kazal type 5	-0.000186	Inlier
siRNA Disorazole DMSO Run2	NM_0068 46	SPINK5	serine protease inhibitor, Kazal type 5	0.000186	Inlier
siRNA Disorazole DMSO Run1	NM_0068 46	SPINK5	serine protease inhibitor, Kazal type 5	0.070248	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0068 46	SPINK5	serine protease inhibitor, Kazal type 5	1.356739	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0068 46	SPINK5	serine protease inhibitor, Kazal type 5	2.899586	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0037 10	SPINT1	serine protease inhibitor, Kunitz type 1	-1.358084	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0037 10	SPINT1	serine protease inhibitor, Kunitz type 1	-1.001428	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0037 10	SPINT1	serine protease inhibitor, Kunitz type 1	-0.612364	Inlier
siRNA Disorazole DMSO Run1	NM_0037 10	SPINT1	serine protease inhibitor, Kunitz type 1	-0.272991	Inlier
siRNA Disorazole DMSO Run3	NM_0037 10	SPINT1	serine protease inhibitor, Kunitz type 1	0.272991	Inlier
siRNA Disorazole DMSO Run2	NM_0037 10	SPINT1	serine protease inhibitor, Kunitz type 1	0.495382	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0037 10	SPINT1	serine protease inhibitor, Kunitz type 1	0.736636	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0037 10	SPINT1	serine protease inhibitor, Kunitz type 1	1.015679	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0211 02	SPINT2	serine protease inhibitor, Kunitz type, 2	-1.103294	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_021102	SPINT2	serine protease inhibitor, Kunitz type, 2	-0.968197	Inlier
siRNA-Temozolomide Run1-DMSO	NM_021102	SPINT2	serine protease inhibitor, Kunitz type, 2	-0.548918	Inlier
siRNA Disorazole DMSO Run3	NM_021102	SPINT2	serine protease inhibitor, Kunitz type, 2	-0.011128	Inlier
siRNA Disorazole DMSO Run1	NM_021102	SPINT2	serine protease inhibitor, Kunitz type, 2	0.011128	Inlier
siRNA Disorazole DMSO Run2	NM_021102	SPINT2	serine protease inhibitor, Kunitz type, 2	0.351546	Inlier
siRNA-Vinblastine Run2-DMSO	NM_021102	SPINT2	serine protease inhibitor, Kunitz type, 2	0.800082	Inlier
siRNA-Vinblastine Run1-DMSO	NM_021102	SPINT2	Kunitz type, 2	1.096614	Inlier
siRNA-Temozolomide Run3-DMSO	NM_032802	SPPL2A	SPPL2A	-0.877742	Inlier
siRNA-Temozolomide Run1-DMSO	NM_032802	SPPL2A	SPPL2A	-0.471258	Inlier
siRNA-Temozolomide Run2-DMSO	NM_032802	SPPL2A	SPPL2A	-0.39174	Inlier
siRNA Disorazole DMSO Run2	NM_032802	SPPL2A	SPPL2A	-0.293555	Inlier
siRNA Disorazole DMSO Run1	NM_032802	SPPL2A	SPPL2A	0.293555	Inlier
siRNA Disorazole DMSO Run3	NM_032802	SPPL2A	SPPL2A	1.322922	Inlier
siRNA-Vinblastine Run1-DMSO	NM_032802	SPPL2A	SPPL2A	1.59251	Inlier
siRNA-Vinblastine Run2-DMSO	NM_032802	SPPL2A	SPPL2A	1.837455	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Temozolomide Run3- DMSO	NM_1529 88	SPPL2B	SPPL2B	-1.78753	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1529 88	SPPL2B	SPPL2B	-0.672482	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1529 88	SPPL2B	SPPL2B	-0.354927	Inlier
siRNA Disorazole DMSO Run1	NM_1529 88	SPPL2B	SPPL2B	-0.118681	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1529 88	SPPL2B	SPPL2B	0.118681	Inlier
siRNA Disorazole DMSO Run2	NM_1529 88	SPPL2B	SPPL2B	0.676518	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1529 88	SPPL2B	SPPL2B	0.704774	Inlier
siRNA Disorazole DMSO Run3	NM_1529 88	SPPL2B	SPPL2B	1.432072	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0031 24	SPR	sepiapterin reductase (7,8- dihydrobio pterin:NA DP+ oxidoredu ctase)	-1.400434	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0031 24	SPR	sepiapterin reductase (7,8- dihydrobio pterin:NA DP+ oxidoredu ctase)	-0.69768	Inlier
siRNA Disorazole DMSO Run1	NM_0031 24	SPR	sepiapterin reductase (7,8- dihydrobio pterin:NA DP+ oxidoredu ctase)	-0.517801	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0031 24	SPR	sepiapterin reductase (7,8- dihydrobio pterin:NA DP+ oxidoredu ctase)	-0.412304	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0031 24	SPR	sepiapterin reductase (7,8-dihydrobiopterin:NA DP+ oxidoreductase)	0.412304	Inlier
siRNA Disorazole DMSO Run3	NM_0031 24	SPR	sepiapterin reductase (7,8-dihydrobiopterin:NA DP+ oxidoreductase)	0.65132	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0031 24	SPR	sepiapterin reductase (7,8-dihydrobiopterin:NA DP+ oxidoreductase)	1.506026	Inlier
siRNA Disorazole DMSO Run2	NM_0031 24	SPR	sepiapterin reductase (7,8-dihydrobiopterin:NA DP+ oxidoreductase)	1.687182	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1783 24	SPTLC1	serine palmitoyltransferase, long chain base subunit 1	-0.750541	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1783 24	SPTLC1	serine palmitoyltransferase, long chain base subunit 1	-0.598459	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_1783 24	SPTLC1	serine palmitoyltransferase, long chain base subunit 1	-0.45183	Inlier
siRNA Disorazole DMSO Run1	NM_1783 24	SPTLC1	serine palmitoyltransferase, long chain base subunit 1	-0.247429	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1783 24	SPTLC1	serine palmitoyltransferase, long chain base subunit 1	0.247429	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1783 24	SPTLC1	serine palmitoyltransferase, long chain base subunit 1	1.048206	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1783 24	SPTLC1	serine palmitoyltransferase, long chain base subunit 1	11.35417	Outlier
siRNA Disorazole DMSO Run2	NM_1783 24	SPTLC1	serine palmitoyltransferase, long chain base subunit 1	20.35526	Outlier
siRNA Disorazole DMSO Run3	NM_0048 63	SPTLC2	serine palmitoyltransferase, long chain base subunit 2	-1.12153	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0048 63	SPTLC2	serine palmitoyltransferase, long chain base subunit 2	-0.712273	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0048 63	SPTLC2	serine palmitoyltransferase, long chain base subunit 2	-0.163664	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0048 63	SPTLC2	serine palmitoyltransferase, long chain base subunit 2	-0.093913	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0048 63	SPTLC2	serine palmitoyltransferase, long chain base subunit 2	0.093912	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0048 63	SPTLC2	serine palmitoyltransferase, long chain base subunit 2	0.636727	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0048 63	SPTLC2	serine palmitoyltransferase, long chain base subunit 2	1.043956	Inlier
siRNA Disorazole DMSO Run2	NM_0048 63	SPTLC2	serine palmitoyltransferase, long chain base subunit 2	1.644619	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0031 29	SQLE	squalene epoxidase	-0.914982	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA-Temozolomide Run2-DMSO	NM_0031 29	SQLE	squalene epoxidase	-0.599951	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0031 29	SQLE	squalene epoxidase	-0.249402	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0031 29	SQLE	squalene epoxidase	-0.137798	Inlier
siRNA Disorazole DMSO Run1	NM_0031 29	SQLE	squalene epoxidase	0.137799	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0031 29	SQLE	squalene epoxidase	0.749049	Inlier
siRNA Disorazole DMSO Run3	NM_0031 29	SQLE	squalene epoxidase	0.814621	Inlier
siRNA Disorazole DMSO Run2	NM_0031 29	SQLE	squalene epoxidase	2.073656	Inlier
siRNA Disorazole DMSO Run1	NM_0211 99	SQRDL	sulfide quinone reductase- like (yeast)	-1.961291	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0211 99	SQRDL	sulfide quinone reductase- like (yeast)	-0.897196	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0211 99	SQRDL	sulfide quinone reductase- like (yeast)	-0.890923	Inlier
siRNA Disorazole DMSO Run3	NM_0211 99	SQRDL	sulfide quinone reductase- like (yeast)	-0.31907	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0211 99	SQRDL	sulfide quinone reductase- like (yeast)	0.31907	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0211 99	SQRDL	sulfide quinone reductase- like (yeast)	0.4132	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0211 99	SQRDL	sulfide quinone reductase- like (yeast)	0.458077	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0211 99	SQRDL	sulfide quinone reductase- like (yeast) v-src sarcoma (Schmidt- Ruppin A- 2) viral oncogene homolog (avian)	3.413849	Inlier
siRNA Disorazole DMSO Run2	NM_1982 91	SRC	v-src sarcoma (Schmidt- Ruppin A- 2) viral oncogene homolog (avian)	-0.989639	Inlier
siRNA Disorazole DMSO Run3	NM_1982 91	SRC	v-src sarcoma (Schmidt- Ruppin A- 2) viral oncogene homolog (avian)	-0.795145	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1982 91	SRC	v-src sarcoma (Schmidt- Ruppin A- 2) viral oncogene homolog (avian)	-0.561574	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1982 91	SRC	v-src sarcoma (Schmidt- Ruppin A- 2) viral oncogene homolog (avian)	-0.523477	Inlier
siRNA Disorazole DMSO Run1	NM_1982 91	SRC	v-src sarcoma (Schmidt- Ruppin A- 2) viral oncogene homolog (avian)	0.523477	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_1982 91	SRC	v-src sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog (avian)	0.526088	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1982 91	SRC	v-src sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog (avian)	0.787426	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1982 91	SRC	v-src sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog (avian)	1.456411	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0807 44	SRCRB4D	scavenger receptor cysteine rich domain containing, group B (4 domains)	-0.735463	Inlier
siRNA Disorazole DMSO Run1	NM_0807 44	SRCRB4D	scavenger receptor cysteine rich domain containing, group B (4 domains)	-0.613537	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0807 44	SRCRB4D	scavenger receptor cysteine rich domain containing, group B (4 domains)	-0.412102	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0807 44	SRCRB4D	scavenger receptor cysteine rich domain containing, group B (4 domains)	-0.291887	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0807 44	SRCRB4D	scavenger receptor cysteine rich domain containing, group B (4 domains)	0.291888	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0807 44	SRCRB4D	scavenger receptor cysteine rich domain containing, group B (4 domains)	2.735916	Inlier
siRNA Disorazole DMSO Run2	NM_0807 44	SRCRB4D	scavenger receptor cysteine rich domain containing, group B (4 domains)	9.514282	Outlier
siRNA-Vinblastine Run1- DMSO	NM_0807 44	SRCRB4D	scavenger receptor cysteine rich domain containing, group B (4 domains)	12.48388	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_001047	SRD5A1	steroid-5-alpha-reductase, alpha polypeptide 1 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 1)	-1.170422	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001047	SRD5A1	steroid-5-alpha-reductase, alpha polypeptide 1 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 1)	-0.768863	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001047	SRD5A1	steroid-5-alpha-reductase, alpha polypeptide 1 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 1)	-0.580137	Inlier
siRNA Disorazole DMSO Run1	NM_001047	SRD5A1	steroid-5-alpha-reductase, alpha polypeptide 1 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 1)	-0.287454	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_001047	SRD5A1	steroid-5-alpha-reductase, alpha polypeptide 1 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 1)	0.287454	Inlier
siRNA Disorazole DMSO Run3	NM_001047	SRD5A1	steroid-5-alpha-reductase, alpha polypeptide 1 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 1)	0.396277	Inlier
siRNA Disorazole DMSO Run2	NM_001047	SRD5A1	steroid-5-alpha-reductase, alpha polypeptide 1 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 1)	1.293358	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001047	SRD5A1	steroid-5-alpha-reductase, alpha polypeptide 1 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 1)	2.471771	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_000348	SRD5A2	steroid-5-alpha-reductase, alpha polypeptide 2 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 2)	-0.962854	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000348	SRD5A2	steroid-5-alpha-reductase, alpha polypeptide 2 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 2)	-0.527963	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000348	SRD5A2	steroid-5-alpha-reductase, alpha polypeptide 2 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 2)	-0.310804	Inlier
siRNA Disorazole DMSO Run1	NM_000348	SRD5A2	steroid-5-alpha-reductase, alpha polypeptide 2 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 2)	-0.143203	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_000348	SRD5A2	steroid-5-alpha-reductase, alpha polypeptide 2 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 2)	0.143203	Inlier
siRNA Disorazole DMSO Run3	NM_000348	SRD5A2	steroid-5-alpha-reductase, alpha polypeptide 2 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 2)	0.821037	Inlier
siRNA Disorazole DMSO Run2	NM_000348	SRD5A2	steroid-5-alpha-reductase, alpha polypeptide 2 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 2)	1.577813	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000348	SRD5A2	steroid-5-alpha-reductase, alpha polypeptide 2 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 2)	1.942644	Inlier
siRNA Disorazole DMSO Run1	NM_003132	SRM	spermidine synthase	-1.38632	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0031 32	SRM	spermidin e synthase	-1.030794	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0031 32	SRM	spermidin e synthase	-0.318206	Inlier
siRNA Disorazole DMSO Run3	NM_0031 32	SRM	spermidin e synthase	-0.008721	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0031 32	SRM	spermidin e synthase	0.00872	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0031 32	SRM	spermidin e synthase	0.069137	Inlier
siRNA Disorazole DMSO Run2	NM_0031 32	SRM	spermidin e synthase	1.208495	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0031 32	SRM	spermidin e synthase	1.454958	Inlier
siRNA Disorazole DMSO Run2	NM_0808 23	SRMS	src-related kinase lacking C- terminal regulatory tyrosine and N- terminal myristylati on sites	-1.154733	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0808 23	SRMS	src-related kinase lacking C- terminal regulatory tyrosine and N- terminal myristylati on sites	-0.41765	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0808 23	SRMS	src-related kinase lacking C- terminal regulatory tyrosine and N- terminal myristylati on sites	-0.155748	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0808 23	SRMS	src-related kinase lacking C- terminal regulatory tyrosine and N- terminal myristylati on sites	-0.127709	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0808 23	SRMS	src-related kinase lacking C- terminal regulatory tyrosine and N- terminal myristylati on sites	0.12771	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0808 23	SRMS	src-related kinase lacking C- terminal regulatory tyrosine and N- terminal myristylati on sites	0.93135	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0808 23	SRMS	src-related kinase lacking C-terminal regulatory tyrosine and N-terminal myristylation sites	1.055503	Inlier
siRNA Disorazole DMSO Run1	NM_0808 23	SRMS	src-related kinase lacking C-terminal regulatory tyrosine and N-terminal myristylation sites	1.275702	Inlier
siRNA Disorazole DMSO Run2	NM_0031 37	SRPK1	SFRS protein kinase 1	-2.275729	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0031 37	SRPK1	SFRS protein kinase 1	-0.832498	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0031 37	SRPK1	SFRS protein kinase 1	-0.307407	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0031 37	SRPK1	SFRS protein kinase 1	-0.109543	Inlier
siRNA Disorazole DMSO Run3	NM_0031 37	SRPK1	SFRS protein kinase 1	0.109543	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0031 37	SRPK1	SFRS protein kinase 1	0.620445	Inlier
siRNA Disorazole DMSO Run1	NM_0031 37	SRPK1	SFRS protein kinase 1	0.728555	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0031 37	SRPK1	SFRS protein kinase 1	1.876365	Inlier
siRNA Disorazole DMSO Run2	NM_0031 38	SRPK2	SFRS protein kinase 2	-1.447017	Inlier
siRNA Disorazole DMSO Run3	NM_0031 38	SRPK2	SFRS protein kinase 2	-0.683822	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0031 38	SRPK2	SFRS protein kinase 2	-0.665178	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0031 38	SRPK2	SFRS protein kinase 2	-0.148894	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0031 38	SRPK2	SFRS protein kinase 2	0.148894	Inlier
siRNA Disorazole DMSO Run1	NM_0031 38	SRPK2	SFRS protein kinase 2	0.394871	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0031 38	SRPK2	SFRS protein kinase 2	0.739675	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0031 38	SRPK2	SFRS protein kinase 2	0.809376	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0031 39	SRPR	signal recognitio n particle receptor (docking protein) signal recognitio n particle receptor (docking protein) signal recognitio n particle receptor (docking protein) signal recognitio n particle receptor (docking protein)	-0.832504	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0031 39	SRPR	signal recognitio n particle receptor (docking protein) signal recognitio n particle receptor (docking protein) signal recognitio n particle receptor (docking protein)	-0.743886	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0031 39	SRPR	signal recognitio n particle receptor (docking protein) signal recognitio n particle receptor (docking protein)	-0.617519	Inlier
siRNA Disorazole DMSO Run3	NM_0031 39	SRPR	signal recognitio n particle receptor (docking protein) signal recognitio n particle receptor (docking protein)	-0.126445	Inlier
siRNA Disorazole DMSO Run1	NM_0031 39	SRPR	signal recognitio n particle receptor (docking protein)	0.126445	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0031 39	SRPR	signal recognitio n particle receptor (docking protein)	0.623849	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0031 39	SRPR	signal recognitio n particle receptor (docking protein)	0.725151	Inlier
siRNA Disorazole DMSO Run2	NM_0031 39	SRPR	signal recognitio n particle receptor (docking protein)	1.232593	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0219 47	SRR	serine racemase	-1.596856	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0219 47	SRR	serine racemase	-0.720047	Inlier
siRNA Disorazole DMSO Run1	NM_0219 47	SRR	serine racemase	-0.611093	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0219 47	SRR	serine racemase	-0.517433	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0219 47	SRR	serine racemase	0.517433	Inlier
siRNA Disorazole DMSO Run3	NM_0219 47	SRR	serine racemase	0.628953	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0219 47	SRR	serine racemase	2.327763	Inlier
siRNA Disorazole DMSO Run2	NM_0219 47	SRR	serine racemase	2.747564	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0251 06	SSB1	SSB1	-0.888996	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0251 06	SSB1	SSB1	-0.460004	Inlier
siRNA Disorazole DMSO Run3	NM_0251 06	SSB1	SSB1	-0.177663	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0251 06	SSB1	SSB1	-0.173454	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0251 06	SSB1	SSB1	0.173454	Inlier
siRNA Disorazole DMSO Run1	NM_0251 06	SSB1	SSB1	1.025621	Inlier
siRNA Disorazole DMSO Run2	NM_0251 06	SSB1	SSB1	2.215255	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0251 06	SSB1	SSB1	2.961649	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0808 61	SSB3	SSB3	-1.361136	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA-Temozolomide Run2- DMSO	NM_0808 61	SSB3	SSB3	-1.083758	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0808 61	SSB3	SSB3	-0.160638	Inlier
siRNA Disorazole DMSO Run3	NM_0808 61	SSB3	SSB3	-0.138694	Inlier
siRNA Disorazole DMSO Run1	NM_0808 61	SSB3	SSB3	0.138694	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0808 61	SSB3	SSB3	0.265242	Inlier
siRNA Disorazole DMSO Run2	NM_0808 61	SSB3	SSB3	1.810883	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0808 61	SSB3	SSB3	2.89828	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0189 84	SSH1	slingshot homolog 1 (Drosophil a)	-0.916377	Inlier
siRNA Disorazole DMSO Run3	NM_0189 84	SSH1	slingshot homolog 1 (Drosophil a)	-0.730893	Inlier
siRNA Disorazole DMSO Run2	NM_0189 84	SSH1	slingshot homolog 1 (Drosophil a)	-0.455702	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0189 84	SSH1	slingshot homolog 1 (Drosophil a)	-0.413695	Inlier
siRNA Disorazole DMSO Run1	NM_0189 84	SSH1	slingshot homolog 1 (Drosophil a)	0.413696	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0189 84	SSH1	slingshot homolog 1 (Drosophil a)	0.618107	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0189 84	SSH1	slingshot homolog 1 (Drosophil a)	1.001843	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0189 84	SSH1	slingshot homolog 1 (Drosophila)	1.308621	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0182 76	SSH3	slingshot homolog 3 (Drosophila)	-2.39825	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0182 76	SSH3	slingshot homolog 3 (Drosophila)	-1.711227	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0182 76	SSH3	slingshot homolog 3 (Drosophila)	-0.921567	Inlier
siRNA Disorazole DMSO Run1	NM_0182 76	SSH3	slingshot homolog 3 (Drosophila)	-0.111293	Inlier
siRNA Disorazole DMSO Run3	NM_0182 76	SSH3	slingshot homolog 3 (Drosophila)	0.111292	Inlier
siRNA Disorazole DMSO Run2	NM_0182 76	SSH3	slingshot homolog 3 (Drosophila)	0.213859	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0182 76	SSH3	slingshot homolog 3 (Drosophila)	0.478789	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0182 76	SSH3	slingshot homolog 3 (Drosophila)	0.870211	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0320 37	SSTK	testis-specific serine kinase 6	-0.961979	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0320 37	SSTK	testis-specific serine kinase 6	-0.769767	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0320 37	SSTK	testis-specific serine kinase 6	-0.579233	Inlier
siRNA Disorazole DMSO Run2	NM_0320 37	SSTK	testis-specific serine kinase 6	-0.071479	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0320 37	SSTK	testis-specific serine kinase 6	0.071478	Inlier
siRNA Disorazole DMSO Run1	NM_0320 37	SSTK	testis-specific serine kinase 6	0.356837	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0320 37	SSTK	testis-specific serine kinase 6	0.835153	Inlier
siRNA Disorazole DMSO Run3	NM_0320 37	SSTK	testis-specific serine kinase 6	0.905851	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 49	SSTR1	somatostatin receptor 1	-1.609257	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 49	SSTR1	somatostatin receptor 1	-0.664331	Inlier
siRNA Disorazole DMSO Run1	NM_0010 49	SSTR1	somatostatin receptor 1	-0.660031	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 49	SSTR1	somatostatin receptor 1	-0.562044	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 49	SSTR1	somatostatin receptor 1	0.562043	Inlier
siRNA Disorazole DMSO Run2	NM_0010 49	SSTR1	somatostatin receptor 1	0.684669	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 49	SSTR1	somatostatin receptor 1	0.715656	Inlier
siRNA Disorazole DMSO Run3	NM_0010 49	SSTR1	somatostatin receptor 1	1.014124	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology				somatosta		
siRNA-Temozolomide Run3-DMSO	NM_0010 50	SSTR2	receptor 2	-1.890736	Inlier	
siRNA-Temozolomide Run2-DMSO	NM_0010 50	SSTR2	receptor 2	-0.863399	Inlier	
siRNA Disorazole DMSO Run1	NM_0010 50	SSTR2	receptor 2	-0.485601	Inlier	
siRNA-Vinblastine Run2-DMSO	NM_0010 50	SSTR2	receptor 2	-0.011373	Inlier	
siRNA-Temozolomide Run1-DMSO	NM_0010 50	SSTR2	receptor 2	0.011373	Inlier	
siRNA-Vinblastine Run1-DMSO	NM_0010 50	SSTR2	receptor 2	0.4631	Inlier	
siRNA Disorazole DMSO Run2	NM_0010 50	SSTR2	receptor 2	1.586131	Inlier	
siRNA Disorazole DMSO Run3	NM_0010 50	SSTR2	receptor 2	4.103874	Outlier	
siRNA Disorazole DMSO Run3	NM_0010 51	SSTR3	receptor 3	-2.839144	Inlier	
siRNA-Temozolomide Run3-DMSO	NM_0010 51	SSTR3	receptor 3	-1.177009	Inlier	
siRNA-Temozolomide Run1-DMSO	NM_0010 51	SSTR3	receptor 3	-0.493324	Inlier	
siRNA Disorazole DMSO Run1	NM_0010 51	SSTR3	receptor 3	-0.364249	Inlier	
siRNA-Temozolomide Run2-DMSO	NM_0010 51	SSTR3	receptor 3	0.364249	Inlier	
siRNA Disorazole DMSO Run2	NM_0010 51	SSTR3	receptor 3	0.587458	Inlier	
siRNA-Vinblastine Run1-DMSO	NM_0010 51	SSTR3	receptor 3	0.761542	Inlier	
siRNA-Vinblastine Run2-DMSO	NM_0010 51	SSTR3	receptor 3	0.779285	Inlier	
siRNA-Temozolomide Run3-DMSO	NM_0010 52	SSTR4	receptor 4	-2.750859	Inlier	

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology				somatosta	
siRNA-Temozolomide Run2-DMSO	NM_0010 52	SSTR4	receptor 4	-1.248469	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 52	SSTR4	receptor 4	-0.232356	Inlier
siRNA Disorazole DMSO Run1	NM_0010 52	SSTR4	receptor 4	-0.102402	Inlier
siRNA Disorazole DMSO Run2	NM_0010 52	SSTR4	receptor 4	0.102402	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 52	SSTR4	receptor 4	0.588839	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 52	SSTR4	receptor 4	0.760161	Inlier
siRNA Disorazole DMSO Run3	NM_0010 52	SSTR4	receptor 4	3.399905	Inlier
siRNA Disorazole DMSO Run3	NM_0010 53	SSTR5	receptor 5	-2.084974	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 53	SSTR5	receptor 5	-0.784531	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 53	SSTR5	receptor 5	-0.629118	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 53	SSTR5	receptor 5	-0.198317	Inlier
siRNA Disorazole DMSO Run1	NM_0010 53	SSTR5	receptor 5	0.198317	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 53	SSTR5	receptor 5	0.607552	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 53	SSTR5	receptor 5	0.719882	Inlier
siRNA Disorazole DMSO Run2	NM_0010 53	SSTR5	receptor 5	3.723123	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Cell Line	Suppression of tumorigenicity 14 (colon carcinoma)	Value	Outlier
siRNA-Temozolomide Run3-DMSO	NM_021978	ST14	matriptase, epithin)	-1.236688	Inlier
siRNA-Temozolomide Run2-DMSO	NM_021978	ST14	matriptase, epithin)	-1.021238	Inlier
siRNA Disorazole DMSO Run1	NM_021978	ST14	matriptase, epithin)	-0.874372	Inlier
siRNA Disorazole DMSO Run2	NM_021978	ST14	matriptase, epithin)	-0.032742	Inlier
siRNA Disorazole DMSO Run3	NM_021978	ST14	matriptase, epithin)	0.032742	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Cell Line	Gene Name	Value	Category
siRNA-Temozolomide Run1-DMSO	NM_021978	ST14	suppression of tumorigenicity 14 (colon carcinoma)	0.064715	Inlier
siRNA-Vinblastine Run2-DMSO	NM_021978	ST14	matriptase, epithin) suppression of tumorigenicity 14 (colon carcinoma)	0.635174	Inlier
siRNA-Vinblastine Run1-DMSO	NM_021978	ST14	matriptase, epithin) ST6 beta-galactosamide	0.713826	Inlier
siRNA-Temozolomide Run3-DMSO	NM_032528	ST6GalIII	alpha-2,6-sialyltransferase 2 ST6 beta-galactosamide	-0.722618	Inlier
siRNA Disorazole DMSO Run3	NM_032528	ST6GalIII	alpha-2,6-sialyltransferase 2 ST6 beta-galactosamide	-0.626382	Inlier
siRNA-Temozolomide Run2-DMSO	NM_032528	ST6GalIII	alpha-2,6-sialyltransferase 2 ST6 beta-galactosamide	-0.460804	Inlier
siRNA-Vinblastine Run2-DMSO	NM_032528	ST6GalIII	alpha-2,6-sialyltransferase 2	-0.107659	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0325 28	ST6GalIII	ST6 beta-galactosamide alpha-2,6-sialyltransferase 2	0.107659	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0325 28	ST6GalIII	ST6 beta-galactosamide alpha-2,6-sialyltransferase 2	0.928272	Inlier
siRNA Disorazole DMSO Run2	NM_0325 28	ST6GalIII	ST6 beta-galactosamide alpha-2,6-sialyltransferase 2	1.070467	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0325 28	ST6GalIII	ST6 beta-galactosamide alpha-2,6-sialyltransferase 2	1.174428	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0528 51	STARD13	START domain containing 13	-1.330972	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0528 51	STARD13	START domain containing 13	-0.790987	Inlier
siRNA Disorazole DMSO Run1	NM_0528 51	STARD13	START domain containing 13	-0.123007	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0528 51	STARD13	START domain containing 13	-0.034968	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0528 51	STARD13	START domain containing 13	0.034968	Inlier
siRNA Disorazole DMSO Run3	NM_0528 51	STARD13	START domain containing 13	0.558013	Inlier
siRNA Disorazole DMSO Run2	NM_0528 51	STARD13	START domain containing 13	2.298152	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0528 51	STARD13	START domain containing 13	2.324545	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0147 25	STARD8	START domain containing 8	-1.310462	Inlier
siRNA Disorazole DMSO Run3	NM_0147 25	STARD8	START domain containing 8	-0.72111	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0147 25	STARD8	START domain containing 8	-0.511596	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0147 25	STARD8	START domain containing 8	-0.054272	Inlier
siRNA Disorazole DMSO Run1	NM_0147 25	STARD8	START domain containing 8	0.054272	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0147 25	STARD8	START domain containing 8	0.62789	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0147 25	STARD8	START domain containing 8	4.304945	Outlier
siRNA Disorazole DMSO Run2	NM_0147 25	STARD8	START domain containing 8	5.600674	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0073 15	STAT1	signal transducer and activator of transcripti on 1, 91kDa	-0.875094	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0073 15	STAT1	signal transducer and activator of transcripti on 1, 91kDa	-0.815969	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Value	Category
siRNA-Temozolomide Run1-DMSO	NM_007315	STAT1	signal transducer and activator of transcription 1, 91kDa	-0.439811	Inlier
siRNA Disorazole DMSO Run3	NM_007315	STAT1	signal transducer and activator of transcription 1, 91kDa	-0.142878	Inlier
siRNA Disorazole DMSO Run1	NM_007315	STAT1	signal transducer and activator of transcription 1, 91kDa	0.142878	Inlier
siRNA Disorazole DMSO Run2	NM_007315	STAT1	signal transducer and activator of transcription 1, 91kDa	0.533031	Inlier
siRNA-Vinblastine Run2-DMSO	NM_007315	STAT1	signal transducer and activator of transcription 1, 91kDa	0.92057	Inlier
siRNA-Vinblastine Run1-DMSO	NM_007315	STAT1	signal transducer and activator of transcription 1, 91kDa	0.958239	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005990	STK10	serine/threonine kinase 10	-1.985958	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology					
siRNA-Temozolomide Run1-DMSO	NM_0059 90	STK10	serine/threonine kinase 10	-1.75467	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0059 90	STK10	serine/threonine kinase 10	-0.722835	Inlier
siRNA Disorazole DMSO Run2	NM_0059 90	STK10	serine/threonine kinase 10	-0.1762	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0059 90	STK10	serine/threonine kinase 10	0.1762	Inlier
siRNA Disorazole DMSO Run1	NM_0059 90	STK10	serine/threonine kinase 10	0.363824	Inlier
siRNA Disorazole DMSO Run3	NM_0059 90	STK10	serine/threonine kinase 10	0.626165	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0059 90	STK10	serine/threonine kinase 10	1.981706	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0004 55	STK11	serine/threonine kinase 11 (Peutz-Jeghers syndrome)	-1.329212	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0004 55	STK11	serine/threonine kinase 11 (Peutz-Jeghers syndrome)	-0.748147	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0004 55	STK11	serine/threonine kinase 11 (Peutz-Jeghers syndrome)	-0.716301	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0004 55	STK11	serine/threonine kinase 11 (Peutz-Jeghers syndrome)	-0.23889	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0004 55	STK11	serine/threonine kinase 11 (Peutz-Jeghers syndrome)	0.238889	Inlier
siRNA Disorazole DMSO Run2	NM_0004 55	STK11	serine/threonine kinase 11 (Peutz-Jeghers syndrome)	0.396134	Inlier
siRNA Disorazole DMSO Run3	NM_0004 55	STK11	serine/threonine kinase 11 (Peutz-Jeghers syndrome)	0.632699	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0004 55	STK11	serine/threonine kinase 11 (Peutz-Jeghers syndrome)	1.24284	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0529 02	STK11IP	serine/threonine kinase 11 interacting protein	-1.104893	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0529 02	STK11IP	serine/threonine kinase 11 interacting protein	-0.728853	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0529 02	STK11IP	serine/threonine kinase 11 interacting protein	-0.377595	Inlier
siRNA Disorazole DMSO Run1	NM_0529 02	STK11IP	serine/threonine kinase 11 interacting protein	-0.114128	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_052902	STK11IP	serine/threonine kinase 11 interacting protein	0.114127	Inlier
siRNA-Vinblastine Run2-DMSO	NM_052902	STK11IP	serine/threonine kinase 11 interacting protein	0.620147	Inlier
siRNA Disorazole DMSO Run2	NM_052902	STK11IP	serine/threonine kinase 11 interacting protein	0.826024	Inlier
siRNA Disorazole DMSO Run3	NM_052902	STK11IP	serine/threonine kinase 11 interacting protein	2.395548	Inlier
siRNA Disorazole DMSO Run2	NM_003691	STK16	serine/threonine kinase 16	-0.80355	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003691	STK16	serine/threonine kinase 16	-0.54545	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003691	STK16	serine/threonine kinase 16	-0.084576	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003691	STK16	serine/threonine kinase 16	-0.038208	Inlier
siRNA Disorazole DMSO Run3	NM_003691	STK16	serine/threonine kinase 16	0.038208	Inlier
siRNA Disorazole DMSO Run1	NM_003691	STK16	serine/threonine kinase 16	3.289538	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003691	STK16	serine/threonine kinase 16	5.170557	Outlier
siRNA-Vinblastine Run1-DMSO	NM_003691	STK16	serine/threonine kinase 16	5.427166	Outlier
siRNA-Temozolomide Run3-DMSO	NM_004760	STK17A	serine/threonine kinase 17a (apoptosis-inducing)	-0.842964	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0047 60	STK17A	serine/threonine kinase 17a (apoptosis-inducing)	-0.782904	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0047 60	STK17A	serine/threonine kinase 17a (apoptosis-inducing)	-0.229571	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0047 60	STK17A	serine/threonine kinase 17a (apoptosis-inducing)	-0.177387	Inlier
siRNA Disorazole DMSO Run3	NM_0047 60	STK17A	serine/threonine kinase 17a (apoptosis-inducing)	0.177386	Inlier
siRNA Disorazole DMSO Run1	NM_0047 60	STK17A	serine/threonine kinase 17a (apoptosis-inducing)	0.586216	Inlier
siRNA Disorazole DMSO Run2	NM_0047 60	STK17A	serine/threonine kinase 17a (apoptosis-inducing)	0.762784	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0047 60	STK17A	serine/threonine kinase 17a (apoptosis-inducing)	1.127221	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0042 26	STK17B	serine/threonine kinase 17b (apoptosis-inducing)	-1.589829	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0042 26	STK17B	serine/threonine kinase 17b (apoptosis-inducing)	-0.774041	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0042 26	STK17B	serine/threonine kinase 17b (apoptosis-inducing)	-0.574959	Inlier
siRNA Disorazole DMSO Run1	NM_0042 26	STK17B	serine/threonine kinase 17b (apoptosis-inducing)	-0.023955	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0042 26	STK17B	serine/threonine kinase 17b (apoptosis-inducing)	0.023953	Inlier
siRNA Disorazole DMSO Run2	NM_0042 26	STK17B	serine/threonine kinase 17b (apoptosis-inducing)	0.226616	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0042 26	STK17B	serine/threonine kinase 17b (apoptosis-inducing)	1.356732	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0042 26	STK17B	serine/threonine kinase 17b (apoptosis-inducing)	4.174557	Outlier
siRNA Disorazole DMSO Run2	NM_0324 54	STK19	serine/threonine kinase 19	-0.846864	Inlier
siRNA Disorazole DMSO Run3	NM_0324 54	STK19	serine/threonine kinase 19	-0.782591	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0324 54	STK19	serine/threonine kinase 19	-0.732625	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0324 54	STK19	serine/threonine kinase 19	-0.069957	Inlier
siRNA Disorazole DMSO Run1	NM_0324 54	STK19	serine/threonine kinase 19	0.069957	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0324 54	STK19	serine/threonine kinase 19	0.07344	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0324 54	STK19	serine/threonine kinase 19	0.616375	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0324 54	STK19	serine/threonine kinase 19	0.792773	Inlier
siRNA Disorazole DMSO Run3	NM_0530 06	STK22B	serine/threonine kinase 22B (spermiogenesis associated)	-1.523076	Inlier
siRNA Disorazole DMSO Run2	NM_0530 06	STK22B	serine/threonine kinase 22B (spermiogenesis associated)	-0.967969	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_053006	STK22B	serine/threonine kinase 22B (spermiogenesis associated)	-0.584183	Inlier
siRNA-Vinblastine Run1-DMSO	NM_053006	STK22B	serine/threonine kinase 22B (spermiogenesis associated)	-0.228745	Inlier
siRNA Disorazole DMSO Run1	NM_053006	STK22B	serine/threonine kinase 22B (spermiogenesis associated)	0.228744	Inlier
siRNA-Temozolomide Run1-DMSO	NM_053006	STK22B	serine/threonine kinase 22B (spermiogenesis associated)	0.602022	Inlier
siRNA-Temozolomide Run3-DMSO	NM_053006	STK22B	serine/threonine kinase 22B (spermiogenesis associated)	0.746978	Inlier
siRNA-Vinblastine Run2-DMSO	NM_053006	STK22B	serine/threonine kinase 22B (spermiogenesis associated)	2.975535	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0528 41	STK22C	serine/threonine kinase 22C (spermiogenesis associated)	-2.189356	Inlier
siRNA Disorazole DMSO Run2	NM_0528 41	STK22C	serine/threonine kinase 22C (spermiogenesis associated)	-0.801311	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0528 41	STK22C	serine/threonine kinase 22C (spermiogenesis associated)	-0.260609	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0528 41	STK22C	serine/threonine kinase 22C (spermiogenesis associated)	-0.005542	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0528 41	STK22C	serine/threonine kinase 22C (spermiogenesis associated)	0.005542	Inlier
siRNA Disorazole DMSO Run3	NM_0528 41	STK22C	serine/threonine kinase 22C (spermiogenesis associated)	0.547689	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0528 41	STK22C	serine/threonine kinase 22C (spermiogenesis associated)	0.925944	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0528 41	STK22C	serine/threonine kinase 22D (spermiogenesis associated)	3.27123	Inlier
siRNA Disorazole DMSO Run3	NM_0320 28	STK22D	serine/threonine kinase 22D (spermiogenesis associated)	-0.904607	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0320 28	STK22D	serine/threonine kinase 22D (spermiogenesis associated)	-0.70934	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0320 28	STK22D	serine/threonine kinase 22D (spermiogenesis associated)	-0.672629	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0320 28	STK22D	serine/threonine kinase 22D (spermiogenesis associated)	-0.3186	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0320 28	STK22D	serine/threonine kinase 22D (spermiogenesis associated)	0.318601	Inlier
siRNA Disorazole DMSO Run1	NM_0320 28	STK22D	serine/threonine kinase 22D (spermiogenesis associated)	0.3677	Inlier
siRNA Disorazole DMSO Run2	NM_0320 28	STK22D	serine/threonine kinase 22D (spermiogenesis associated)	0.676371	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0320 28	STK22D	serine/threonine kinase 23	1.473512	Inlier
siRNA Disorazole DMSO Run2	NM_0143 70	STK23	serine/threonine kinase 23	-0.71856	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0143 70	STK23	serine/threonine kinase 23	-0.661692	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0143 70	STK23	serine/threonine kinase 23	-0.314041	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0143 70	STK23	serine/threonine kinase 23	-0.134957	Inlier
siRNA Disorazole DMSO Run3	NM_0143 70	STK23	serine/threonine kinase 23	0.134957	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0143 70	STK23	serine/threonine kinase 23	0.687308	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log2 Fold Change	Outlier Status
siRNA Disorazole DMSO Run1	NM_014370	STK23	serine/threonine kinase 23	1.456394	Inlier
siRNA-Vinblastine Run2-DMSO	NM_014370	STK23	serine/threonine kinase 23	1.547011	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003576	STK24	serine/threonine kinase 24 (STE20 homolog, yeast)	-1.208092	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003576	STK24	serine/threonine kinase 24 (STE20 homolog, yeast)	-1.205497	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003576	STK24	serine/threonine kinase 24 (STE20 homolog, yeast)	-0.840944	Inlier
siRNA Disorazole DMSO Run1	NM_003576	STK24	serine/threonine kinase 24 (STE20 homolog, yeast)	-0.383968	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003576	STK24	serine/threonine kinase 24 (STE20 homolog, yeast)	0.383969	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003576	STK24	serine/threonine kinase 24 (STE20 homolog, yeast)	0.503821	Inlier
siRNA Disorazole DMSO Run3	NM_003576	STK24	serine/threonine kinase 24 (STE20 homolog, yeast)	0.508056	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0063 74	STK25	serine/threonine kinase 25 (STE20 homolog, yeast)	1.12122	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0039 57	STK29	serine/threonine kinase 2	-1.123998	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0039 57	STK29	serine/threonine kinase 2	-0.656718	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0039 57	STK29	serine/threonine kinase 2	-0.393106	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0039 57	STK29	serine/threonine kinase 2	-0.051661	Inlier
siRNA Disorazole DMSO Run1	NM_0039 57	STK29	serine/threonine kinase 2	0.051661	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0039 57	STK29	serine/threonine kinase 2	0.692282	Inlier
siRNA Disorazole DMSO Run2	NM_0039 57	STK29	serine/threonine kinase 2	1.571117	Inlier
siRNA Disorazole DMSO Run3	NM_0039 57	STK29	serine/threonine kinase 2	2.045327	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0062 81	STK3	serine/threonine kinase 3 (STE20 homolog, yeast)	-0.786035	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0062 81	STK3	serine/threonine kinase 3 (STE20 homolog, yeast)	-0.562965	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0062 81	STK3	serine/threonine kinase 3 (STE20 homolog, yeast)	-0.473938	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0062 81	STK3	serine/threonine kinase 3 (STE20 homolog, yeast)	-0.05838	Inlier
siRNA Disorazole DMSO Run3	NM_0062 81	STK3	serine/threonine kinase 3 (STE20 homolog, yeast)	0.05838	Inlier
siRNA Disorazole DMSO Run2	NM_0062 81	STK3	serine/threonine kinase 3 (STE20 homolog, yeast)	1.341945	Inlier
siRNA Disorazole DMSO Run1	NM_0062 81	STK3	serine/threonine kinase 3 (STE20 homolog, yeast)	1.627545	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0062 81	STK3	serine/threonine kinase 3 (STE20 homolog, yeast)	2.029606	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0329 44	STK31	serine/threonine kinase 31	-1.23814	Inlier
siRNA Disorazole DMSO Run2	NM_0329 44	STK31	serine/threonine kinase 31	-1.150268	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0329 44	STK31	serine/threonine kinase 31	-0.641702	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0329 44	STK31	serine/threonine kinase 31	-0.073523	Inlier
siRNA Disorazole DMSO Run3	NM_0329 44	STK31	serine/threonine kinase 31	0.073522	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log2 Fold Change	Classification
siRNA Disorazole DMSO Run1	NM_0329 44	STK31	serine/threonine kinase 31	0.449092	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0329 44	STK31	serine/threonine kinase 31	0.707298	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0329 44	STK31	serine/threonine kinase 31	0.800314	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1450 01	STK32A	serine/threonine kinase 32A	-1.382111	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1450 01	STK32A	serine/threonine kinase 32A	-0.545546	Inlier
siRNA Disorazole DMSO Run2	NM_1450 01	STK32A	serine/threonine kinase 32A	-0.335967	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1450 01	STK32A	serine/threonine kinase 32A	-0.009898	Inlier
siRNA Disorazole DMSO Run1	NM_1450 01	STK32A	serine/threonine kinase 32A	0.009899	Inlier
siRNA Disorazole DMSO Run3	NM_1450 01	STK32A	serine/threonine kinase 32A	0.803454	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1450 01	STK32A	serine/threonine kinase 32A	2.266437	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1450 01	STK32A	serine/threonine kinase 32A	2.328755	Inlier
siRNA Disorazole DMSO Run2	NM_0184 01	STK32B	serine/threonine kinase 32B	-0.825684	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0184 01	STK32B	serine/threonine kinase 32B	-0.523316	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0184 01	STK32B	serine/threonine kinase 32B	-0.333893	Inlier
siRNA Disorazole DMSO Run3	NM_0184 01	STK32B	serine/threonine kinase 32B	-0.236704	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0184 01	STK32B	serine/threonine kinase 32B	0.236705	Inlier
siRNA Disorazole DMSO Run1	NM_0184 01	STK32B	serine/threonine kinase 32B	2.07424	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0184 01	STK32B	serine/threonine kinase 32B	3.257233	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0184 01	STK32B	serine/threonine kinase 32B	3.72928	Outlier
siRNA-Temozolomide Run3-DMSO	NM_1735 75	STK32C	serine/threonine kinase 32C	-1.362699	Inlier
siRNA Disorazole DMSO Run2	NM_1735 75	STK32C	serine/threonine kinase 32C	-0.494249	Inlier
siRNA Disorazole DMSO Run3	NM_1735 75	STK32C	serine/threonine kinase 32C	-0.455374	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1735 75	STK32C	serine/threonine kinase 32C	-0.23791	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1735 75	STK32C	serine/threonine kinase 32C	0.23791	Inlier
siRNA Disorazole DMSO Run1	NM_1735 75	STK32C	serine/threonine kinase 32C	0.854751	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1735 75	STK32C	serine/threonine kinase 32C	1.669243	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log2 Fold Change	Outlier Status
siRNA-Vinblastine Run2-DMSO	NM_173575	STK32C	serine/threonine kinase 32C	2.228579	Inlier
siRNA Disorazole DMSO Run2	NM_030906	STK33	serine/threonine kinase 33	-1.808526	Inlier
siRNA Disorazole DMSO Run3	NM_030906	STK33	serine/threonine kinase 33	-0.259172	Inlier
siRNA-Temozolomide Run1-DMSO	NM_030906	STK33	serine/threonine kinase 33	-0.082929	Inlier
siRNA-Temozolomide Run3-DMSO	NM_030906	STK33	serine/threonine kinase 33	-0.082003	Inlier
siRNA-Temozolomide Run2-DMSO	NM_030906	STK33	serine/threonine kinase 33	0.082003	Inlier
siRNA-Vinblastine Run1-DMSO	NM_030906	STK33	serine/threonine kinase 33	1.089828	Inlier
siRNA Disorazole DMSO Run1	NM_030906	STK33	serine/threonine kinase 33	1.363657	Inlier
siRNA-Vinblastine Run2-DMSO	NM_030906	STK33	serine/threonine kinase 33	1.968591	Inlier
siRNA-Temozolomide Run3-DMSO	NM_080836	STK35	serine/threonine kinase 35	-0.863293	Inlier
siRNA Disorazole DMSO Run2	NM_080836	STK35	serine/threonine kinase 35	-0.794977	Inlier
siRNA-Temozolomide Run1-DMSO	NM_080836	STK35	serine/threonine kinase 35	-0.503738	Inlier
siRNA-Temozolomide Run2-DMSO	NM_080836	STK35	serine/threonine kinase 35	-0.420137	Inlier
siRNA Disorazole DMSO Run1	NM_080836	STK35	serine/threonine kinase 35	0.420137	Inlier
siRNA Disorazole DMSO Run3	NM_080836	STK35	serine/threonine kinase 35	0.554023	Inlier
siRNA-Vinblastine Run2-DMSO	NM_080836	STK35	serine/threonine kinase 35	0.996476	Inlier
siRNA-Vinblastine Run1-DMSO	NM_080836	STK35	serine/threonine kinase 35	1.169711	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0156 90	STK36	serine/threonine kinase 36 (fused homolog, Drosophila)	-1.261123	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0156 90	STK36	serine/threonine kinase 36 (fused homolog, Drosophila)	-1.0429	Inlier
siRNA Disorazole DMSO Run3	NM_0156 90	STK36	serine/threonine kinase 36 (fused homolog, Drosophila)	-0.525954	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0156 90	STK36	serine/threonine kinase 36 (fused homolog, Drosophila)	-0.027936	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0156 90	STK36	serine/threonine kinase 36 (fused homolog, Drosophila)	0.027937	Inlier
siRNA Disorazole DMSO Run1	NM_0156 90	STK36	serine/threonine kinase 36 (fused homolog, Drosophila)	0.3632	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0156 90	STK36	serine/threonine kinase 36 (fused homolog, Drosophila)	0.823046	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_015690	STK36	serine/threonine kinase 36 (fused homolog, Drosophila)	1.008854	Inlier
siRNA Disorazole DMSO Run2	NM_007271	STK38	serine/threonine kinase 38	-2.323968	Inlier
siRNA Disorazole DMSO Run3	NM_007271	STK38	serine/threonine kinase 38	-1.226718	Inlier
siRNA-Temozolomide Run1-DMSO	NM_007271	STK38	serine/threonine kinase 38	-0.392955	Inlier
siRNA-Temozolomide Run2-DMSO	NM_007271	STK38	serine/threonine kinase 38	-0.025781	Inlier
siRNA-Temozolomide Run3-DMSO	NM_007271	STK38	serine/threonine kinase 38	0.025781	Inlier
siRNA-Vinblastine Run2-DMSO	NM_007271	STK38	serine/threonine kinase 38	0.642095	Inlier
siRNA Disorazole DMSO Run1	NM_007271	STK38	serine/threonine kinase 38	0.706905	Inlier
siRNA-Vinblastine Run1-DMSO	NM_007271	STK38	serine/threonine kinase 38	0.966777	Inlier
siRNA Disorazole DMSO Run2	NM_015000	STK38L	serine/threonine kinase 38 like	-1.503042	Inlier
siRNA-Temozolomide Run2-DMSO	NM_015000	STK38L	serine/threonine kinase 38 like	-0.834139	Inlier
siRNA-Temozolomide Run3-DMSO	NM_015000	STK38L	serine/threonine kinase 38 like	-0.534811	Inlier
siRNA Disorazole DMSO Run3	NM_015000	STK38L	serine/threonine kinase 38 like	-0.067686	Inlier
siRNA-Vinblastine Run1-DMSO	NM_015000	STK38L	serine/threonine kinase 38 like	0.067687	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_015000	STK38L	serine/threonine kinase 38 like	0.312291	Inlier
siRNA Disorazole DMSO Run1	NM_015000	STK38L	serine/threonine kinase 38 like	0.814189	Inlier
siRNA-Vinblastine Run2-DMSO	NM_015000	STK38L	serine/threonine kinase 38 like	2.242362	Inlier
siRNA-Temozolomide Run1-DMSO	NM_013233	STK39	serine threonine kinase 39 (STE20/S PS1 homolog, yeast)	-1.193901	Inlier
siRNA-Vinblastine Run1-DMSO	NM_013233	STK39	serine threonine kinase 39 (STE20/S PS1 homolog, yeast)	-0.668421	Inlier
siRNA-Temozolomide Run2-DMSO	NM_013233	STK39	serine threonine kinase 39 (STE20/S PS1 homolog, yeast)	-0.372335	Inlier
siRNA Disorazole DMSO Run2	NM_013233	STK39	serine threonine kinase 39 (STE20/S PS1 homolog, yeast)	-0.121325	Inlier
siRNA-Temozolomide Run3-DMSO	NM_013233	STK39	serine threonine kinase 39 (STE20/S PS1 homolog, yeast)	0.121327	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0132 33	STK39	serine threonine kinase 39 (STE20/S PS1 homolog, yeast)	0.680579	Inlier
siRNA Disorazole DMSO Run3	NM_0132 33	STK39	serine threonine kinase 39 (STE20/S PS1 homolog, yeast)	2.469985	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0132 33	STK39	serine/thre onine	2.928756	Inlier
siRNA Disorazole DMSO Run2	NM_0062 82	STK4	kinase 4	-1.654593	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0062 82	STK4	kinase 4	-1.63546	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0062 82	STK4	kinase 4	-0.51837	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0062 82	STK4	kinase 4	-0.020136	Inlier
siRNA Disorazole DMSO Run3	NM_0062 82	STK4	kinase 4	0.020136	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0062 82	STK4	kinase 4	0.58548	Inlier
siRNA Disorazole DMSO Run1	NM_0062 82	STK4	kinase 4	0.76352	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0062 82	STK4	kinase 4	1.747714	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1984 34	STK6	kinase 6	-0.892602	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1984 34	STK6	kinase 6	-0.79313	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_1984 34	STK6	serine/threonine kinase 6	-0.57655	Inlier
siRNA Disorazole DMSO Run1	NM_1984 34	STK6	serine/threonine kinase 6	-0.057496	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1984 34	STK6	serine/threonine kinase 6	0.057496	Inlier
siRNA Disorazole DMSO Run2	NM_1984 34	STK6	serine/threonine kinase 6	0.533352	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1984 34	STK6	serine/threonine kinase 6	0.77245	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1984 34	STK6	serine/threonine kinase 6	1.143861	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0003 51	STS	steroid sulfatase (microsomal), arylsulfatase C, isozyme S	-1.137028	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0003 51	STS	steroid sulfatase (microsomal), arylsulfatase C, isozyme S	-0.844258	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0003 51	STS	steroid sulfatase (microsomal), arylsulfatase C, isozyme S	-0.156528	Inlier
siRNA Disorazole DMSO Run1	NM_0003 51	STS	steroid sulfatase (microsomal), arylsulfatase C, isozyme S	-0.10272	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_000351	STS	steroid sulfatase (microsomal), arylsulfatase C, isozyme S	0.10272	Inlier
siRNA Disorazole DMSO Run3	NM_000351	STS	steroid sulfatase (microsomal), arylsulfatase C, isozyme S	0.518659	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000351	STS	steroid sulfatase (microsomal), arylsulfatase C, isozyme S	0.830341	Inlier
siRNA Disorazole DMSO Run2	NM_000351	STS	steroid sulfatase (microsomal), arylsulfatase C, isozyme S	1.770987	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003765	STX10	syntaxin 10	-1.377459	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003765	STX10	syntaxin 10	-1.151178	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003765	STX10	syntaxin 10	-0.426716	Inlier
siRNA Disorazole DMSO Run1	NM_003765	STX10	syntaxin 10	-0.365864	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003765	STX10	syntaxin 10	0.365864	Inlier
siRNA Disorazole DMSO Run3	NM_003765	STX10	syntaxin 10	0.480457	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003765	STX10	syntaxin 10	0.868543	Inlier
siRNA Disorazole DMSO Run2	NM_003765	STX10	syntaxin 10	1.416602	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003764	STX11	syntaxin 11	-2.72102	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003764	STX11	syntaxin 11	-2.323849	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_0037		syntaxin	
siRNA Disorazole DMSO Run3	64	STX11	11	-0.396325 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0037		syntaxin	
	64	STX11	11	-0.39567 Inlier
	NM_0037		syntaxin	
siRNA Disorazole DMSO Run1	64	STX11	11	0.39567 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0037		syntaxin	
	64	STX11	11	0.514482 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0037		syntaxin	
	64	STX11	11	0.834518 Inlier
	NM_0037		syntaxin	
siRNA Disorazole DMSO Run2	64	STX11	11	1.426292 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010		syntaxin	
	01434	STX16	16	-2.383333 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010		syntaxin	
	01434	STX16	16	-0.501137 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010		syntaxin	
	01434	STX16	16	-0.446511 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010		syntaxin	
	01434	STX16	16	-0.233674 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010		syntaxin	
	01434	STX16	16	0.233672 Inlier
	NM_0010		syntaxin	
siRNA Disorazole DMSO Run1	01434	STX16	16	0.847863 Inlier
	NM_0010		syntaxin	
siRNA Disorazole DMSO Run2	01434	STX16	16	2.287738 Inlier
	NM_0010		syntaxin	
siRNA Disorazole DMSO Run3	01434	STX16	16	4.291064 Outlier
siRNA-Temozolomide Run3-DMSO	NM_0169		syntaxin	
	30	STX18	18	-1.425672 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0169		syntaxin	
	30	STX18	18	-0.657017 Inlier
	NM_0169		syntaxin	
siRNA Disorazole DMSO Run2	30	STX18	18	-0.583389 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0169		syntaxin	
	30	STX18	18	-0.014961 Inlier
	NM_0169		syntaxin	
siRNA Disorazole DMSO Run1	30	STX18	18	0.014961 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0169		syntaxin	
	30	STX18	18	0.691983 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0169		syntaxin	
	30	STX18	18	0.700358 Inlier
	NM_0169		syntaxin	
siRNA Disorazole DMSO Run3	30	STX18	18	0.946552 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0046		syntaxin	
	03	STX1A	1A (brain)	-3.503639 Outlier
siRNA-Temozolomide Run1-DMSO	NM_0046		syntaxin	
	03	STX1A	1A (brain)	-0.807993 Inlier
	NM_0046		syntaxin	
siRNA Disorazole DMSO Run2	03	STX1A	1A (brain)	-0.580371 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0046		syntaxin	
	03	STX1A	1A (brain)	-0.369004 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology	NM_0046		syntaxin	
siRNA Disorazole DMSO Run1	03	STX1A	1A (brain)	0.369004 Inlier
siRNA-Vinblastine Run1-	NM_0046		syntaxin	
DMSO	03	STX1A	1A (brain)	0.46149 Inlier
siRNA-Vinblastine Run2-	NM_0046		syntaxin	
DMSO	03	STX1A	1A (brain)	0.768629 Inlier
	NM_0046		syntaxin	
siRNA Disorazole DMSO Run3	03	STX1A	1A (brain)	0.926808 Inlier
siRNA-Temozolomide Run3-	NM_0041		syntaxin	
DMSO	77	STX3A	3A	-2.269829 Inlier
siRNA-Temozolomide Run2-	NM_0041		syntaxin	
DMSO	77	STX3A	3A	-1.186465 Inlier
siRNA-Temozolomide Run1-	NM_0041		syntaxin	
DMSO	77	STX3A	3A	-0.228819 Inlier
	NM_0041		syntaxin	
siRNA Disorazole DMSO Run2	77	STX3A	3A	-0.210785 Inlier
	NM_0041		syntaxin	
siRNA Disorazole DMSO Run1	77	STX3A	3A	0.210785 Inlier
siRNA-Vinblastine Run1-	NM_0041		syntaxin	
DMSO	77	STX3A	3A	0.673132 Inlier
siRNA-Vinblastine Run2-	NM_0041		syntaxin	
DMSO	77	STX3A	3A	0.675868 Inlier
	NM_0041		syntaxin	
siRNA Disorazole DMSO Run3	77	STX3A	3A	0.766759 Inlier
			syntaxin	
siRNA-Temozolomide Run3-	NM_0046		4A	
DMSO	04	STX4A	(placental)	-1.160188 Inlier
			syntaxin	
siRNA-Temozolomide Run1-	NM_0046		4A	
DMSO	04	STX4A	(placental)	-1.019249 Inlier
			syntaxin	
siRNA-Temozolomide Run2-	NM_0046		4A	
DMSO	04	STX4A	(placental)	-0.419502 Inlier
			syntaxin	
siRNA-Vinblastine Run1-	NM_0046		4A	
DMSO	04	STX4A	(placental)	-0.075542 Inlier
			syntaxin	
siRNA-Vinblastine Run2-	NM_0046		4A	
DMSO	04	STX4A	(placental)	0.075543 Inlier
			syntaxin	
	NM_0046		4A	
siRNA Disorazole DMSO Run2	04	STX4A	(placental)	0.117532 Inlier
			syntaxin	
	NM_0046		4A	
siRNA Disorazole DMSO Run3	04	STX4A	(placental)	0.929498 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			syntaxin 4A	
siRNA Disorazole DMSO Run1	NM_0046 04	STX4A	(placental)	1.2058 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0031 64	STX5A	5A	-1.454123 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0031 64	STX5A	5A	-1.02565 Inlier
	NM_0031		syntaxin	
siRNA Disorazole DMSO Run1	64	STX5A	5A	-0.019009 Inlier
	NM_0031		syntaxin	
siRNA Disorazole DMSO Run2	64	STX5A	5A	-0.011312 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0031 64	STX5A	5A	0.011312 Inlier
	NM_0031		syntaxin	
siRNA Disorazole DMSO Run3	64	STX5A	5A	0.565138 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0031 64	STX5A	5A	0.783862 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0031 64	STX5A	5A	0.916502 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0035 69	STX7	syntaxin 7	-1.847852 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0035 69	STX7	syntaxin 7	-0.731294 Inlier
	NM_0035		syntaxin 7	
siRNA Disorazole DMSO Run3	69	STX7	syntaxin 7	-0.617706 Inlier
	NM_0035		syntaxin 7	
siRNA Disorazole DMSO Run2	69	STX7	syntaxin 7	-0.449811 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0035 69	STX7	syntaxin 7	0.449811 Inlier
	NM_0035		syntaxin 7	
siRNA Disorazole DMSO Run1	69	STX7	syntaxin 7	0.541147 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0035 69	STX7	syntaxin 7	2.09964 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0035 69	STX7	syntaxin 7	2.349875 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0048 53	STX8	syntaxin 8	-1.475418 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0048 53	STX8	syntaxin 8	-1.412466 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0048 53	STX8	syntaxin 8	-0.062468 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0048 53	STX8	syntaxin 8	-0.024619 Inlier
	NM_0048		syntaxin 8	
siRNA Disorazole DMSO Run1	53	STX8	syntaxin 8	0.024619 Inlier
	NM_0048		syntaxin 8	
siRNA Disorazole DMSO Run3	53	STX8	syntaxin 8	0.285246 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0048 53	STX8	syntaxin 8	1.063754 Inlier
	NM_0048		syntaxin 8	
siRNA Disorazole DMSO Run2	53	STX8	syntaxin 8	2.059021 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0184 23	STYK1	serine/threonine/tyrosine kinase 1	-3.234323	Inlier
siRNA Disorazole DMSO Run3	NM_0184 23	STYK1	serine/threonine/tyrosine kinase 1	-1.277952	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0184 23	STYK1	serine/threonine/tyrosine kinase 1	-0.508001	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0184 23	STYK1	serine/threonine/tyrosine kinase 1	-0.341903	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0184 23	STYK1	serine/threonine/tyrosine kinase 1	0.341903	Inlier
siRNA Disorazole DMSO Run1	NM_0184 23	STYK1	serine/threonine/tyrosine kinase 1	0.539314	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0184 23	STYK1	serine/threonine/tyrosine kinase 1	0.809686	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0184 23	STYK1	serine/threonine/tyrosine kinase 1	1.111795	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1452 51	STYX	serine/threonine/tyrosine interacting protein 1	-1.616779	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1452 51	STYX	serine/threonine/tyrosine interacting protein 1	-0.610175	Inlier
siRNA Disorazole DMSO Run2	NM_1452 51	STYX	serine/threonine/tyrosine interacting protein 1	-0.13656	Inlier
siRNA Disorazole DMSO Run1	NM_1452 51	STYX	serine/threonine/tyrosine interacting protein 1	-0.050264	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_1452 51	STYX	serine/threonine/tyrosine interacting protein	0.050264	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1452 51	STYX	serine/threonine/tyrosine interacting protein	0.738825	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1452 51	STYX	serine/threonine/tyrosine interacting protein	0.791629	Inlier
siRNA Disorazole DMSO Run3	NM_1452 51	STYX	serine/threonine/tyrosine interacting protein succinate-CoA ligase, ADP-forming, beta subunit	0.962194	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0038 50	SUCLA2	serine/threonine/tyrosine interacting protein succinate-CoA ligase, ADP-forming, beta subunit	-1.315032	Inlier
siRNA Disorazole DMSO Run1	NM_0038 50	SUCLA2	serine/threonine/tyrosine interacting protein succinate-CoA ligase, ADP-forming, beta subunit	-1.276312	Inlier
siRNA Disorazole DMSO Run3	NM_0038 50	SUCLA2	serine/threonine/tyrosine interacting protein succinate-CoA ligase, ADP-forming, beta subunit	-0.581487	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0038 50	SUCLA2	serine/threonine/tyrosine interacting protein succinate-CoA ligase, ADP-forming, beta subunit	-0.342598	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0038 50	SUCLA2	succinate-CoA ligase, ADP-forming, beta subunit	0.342598	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0038 50	SUCLA2	succinate-CoA ligase, ADP-forming, beta subunit	0.536772	Inlier
siRNA Disorazole DMSO Run2	NM_0038 50	SUCLA2	succinate-CoA ligase, ADP-forming, beta subunit	0.767513	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0038 50	SUCLA2	succinate-CoA ligase, ADP-forming, beta subunit	2.339033	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0038 49	SUCLG1	succinate-CoA ligase, GDP-forming, alpha subunit	-0.902484	Inlier
siRNA Disorazole DMSO Run3	NM_0038 49	SUCLG1	succinate-CoA ligase, GDP-forming, alpha subunit	-0.868079	Inlier
siRNA Disorazole DMSO Run1	NM_0038 49	SUCLG1	succinate-CoA ligase, GDP-forming, alpha subunit	-0.480921	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0038 49	SUCLG1	succinate-CoA ligase, GDP-forming, alpha subunit	-0.076395	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0038 49	SUCLG1	succinate-CoA ligase, GDP-forming, alpha subunit	0.076395	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0038 49	SUCLG1	succinate-CoA ligase, GDP-forming, alpha subunit	0.191536	Inlier
siRNA Disorazole DMSO Run2	NM_0038 49	SUCLG1	succinate-CoA ligase, GDP-forming, alpha subunit	1.665218	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0038 49	SUCLG1	succinate-CoA ligase, GDP-forming, alpha subunit	1.792296	Inlier
siRNA Disorazole DMSO Run3	NM_0038 48	SUCLG2	succinate-CoA ligase, GDP-forming, beta subunit	-2.73614	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0038 48	SUCLG2	succinate-CoA ligase, GDP-forming, beta subunit	-0.691342	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

				succinate-CoA ligase, GDP-forming, beta	
siRNA Disorazole DMSO Run1	NM_0038 48	SUCLG2	subunit	-0.657658	Inlier
			succinate-CoA ligase, GDP-forming, beta		
siRNA-Temozolomide Run2-DMSO	NM_0038 48	SUCLG2	subunit	-0.301048	Inlier
			succinate-CoA ligase, GDP-forming, beta		
siRNA-Temozolomide Run1-DMSO	NM_0038 48	SUCLG2	subunit	0.301049	Inlier
			succinate-CoA ligase, GDP-forming, beta		
siRNA-Temozolomide Run3-DMSO	NM_0038 48	SUCLG2	subunit	0.45687	Inlier
			succinate-CoA ligase, GDP-forming, beta		
siRNA-Vinblastine Run1-DMSO	NM_0038 48	SUCLG2	subunit	2.639797	Inlier
			succinate-CoA ligase, GDP-forming, beta		
siRNA Disorazole DMSO Run2	NM_0038 48	SUCLG2	subunit	5.668684	Outlier
	NM_0330		succinate		
siRNA Disorazole DMSO Run3	50	SUCNR1	receptor 1	-2.561348	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0330 50	SUCNR1	receptor 1	-1.18503	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0330 50	SUCNR1	receptor 1	-0.15259	Inlier
	NM_0330		succinate		
siRNA Disorazole DMSO Run1	50	SUCNR1	receptor 1	-0.144946	Inlier
	NM_0330		succinate		
siRNA Disorazole DMSO Run2	50	SUCNR1	receptor 1	0.144945	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA-Temozolomide Run1- DMSO	NM_0330 50	SUCNR1	succinate receptor 1	0.648712	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0330 50	SUCNR1	succinate receptor 1	0.700288	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0330 50	SUCNR1	succinate receptor 1	0.74074	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0151 70	SULF1	sulfatase 1	-1.569156	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0151 70	SULF1	sulfatase 1	-0.678971	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0151 70	SULF1	sulfatase 1	-0.383833	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0151 70	SULF1	sulfatase 1	-0.248731	Inlier
siRNA Disorazole DMSO Run1	NM_0151 70	SULF1	sulfatase 1	0.24873	Inlier
siRNA Disorazole DMSO Run3	NM_0151 70	SULF1	sulfatase 1	0.670029	Inlier
siRNA Disorazole DMSO Run2	NM_0151 70	SULF1	sulfatase 1	0.83911	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0151 70	SULF1	sulfatase 1	1.011655	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1985 96	SULF2	sulfatase 2	-2.297385	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1985 96	SULF2	sulfatase 2	-0.83288	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1985 96	SULF2	sulfatase 2	-0.631121	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1985 96	SULF2	sulfatase 2	-0.287107	Inlier
siRNA Disorazole DMSO Run1	NM_1985 96	SULF2	sulfatase 2	0.287107	Inlier
siRNA Disorazole DMSO Run3	NM_1985 96	SULF2	sulfatase 2	0.294149	Inlier
siRNA Disorazole DMSO Run2	NM_1985 96	SULF2	sulfatase 2	0.717879	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1985 96	SULF2	sulfatase 2	2.3109	Inlier
siRNA Disorazole DMSO Run1	NM_1775 36	SULT1A1	sulfotransf erase family, cytosolic, 1A, phenol- preferring, member 1	-1.052005	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_1775 36	SULT1A1	sulfotransf erase family, cytosolic, 1A, phenol- preferring, member 1	-0.614885	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1775 36	SULT1A1	sulfotransf erase family, cytosolic, 1A, phenol- preferring, member 1	-0.512382	Inlier
siRNA Disorazole DMSO Run3	NM_1775 36	SULT1A1	sulfotransf erase family, cytosolic, 1A, phenol- preferring, member 1	-0.070089	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1775 36	SULT1A1	sulfotransf erase family, cytosolic, 1A, phenol- preferring, member 1	0.070089	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1775 36	SULT1A1	sulfotransf erase family, cytosolic, 1A, phenol- preferring, member 1	0.734115	Inlier
siRNA Disorazole DMSO Run2	NM_1775 36	SULT1A1	sulfotransf erase family, cytosolic, 1A, phenol- preferring, member 1	1.021515	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_1775 36	SULT1A1	sulfotransf erase family, cytosolic, 1A, phenol- preferring, member 1	1.609325	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1775 28	SULT1A2	sulfotransf erase family, cytosolic, 1A, phenol- preferring, member 2	-1.573046	Inlier
siRNA Disorazole DMSO Run3	NM_1775 28	SULT1A2	sulfotransf erase family, cytosolic, 1A, phenol- preferring, member 2	-0.677343	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1775 28	SULT1A2	sulfotransf erase family, cytosolic, 1A, phenol- preferring, member 2	-0.134093	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1775 28	SULT1A2	sulfotransf erase family, cytosolic, 1A, phenol- preferring, member 2	-0.101636	Inlier
siRNA Disorazole DMSO Run1	NM_1775 28	SULT1A2	sulfotransf erase family, cytosolic, 1A, phenol- preferring, member 2	0.101636	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_1775 28	SULT1A2	sulfotransf erase family, cytosolic, 1A, phenol- preferring, member 2	0.671657 Inlier
siRNA-Vinblastine Run1-DMSO	NM_1775 28	SULT1A2	sulfotransf erase family, cytosolic, 1A, phenol- preferring, member 2	0.851248 Inlier
siRNA Disorazole DMSO Run2	NM_1775 28	SULT1A2	sulfotransf erase family, cytosolic, 1A, phenol- preferring, member 2	1.57212 Inlier
siRNA-Vinblastine Run2-DMSO	NM_1775 52	SULT1A3	sulfotransf erase family, cytosolic, 1A, phenol- preferring, member 3	-2.051403 Inlier
siRNA Disorazole DMSO Run3	NM_1775 52	SULT1A3	sulfotransf erase family, cytosolic, 1A, phenol- preferring, member 3	-0.609073 Inlier
siRNA-Temozolomide Run1-DMSO	NM_1775 52	SULT1A3	sulfotransf erase family, cytosolic, 1A, phenol- preferring, member 3	-0.169994 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1775 52	SULT1A3	sulfotransf erase family, cytosolic, 1A, phenol- preferring, member 3	-0.166799	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1775 52	SULT1A3	sulfotransf erase family, cytosolic, 1A, phenol- preferring, member 3	0.166799	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1775 52	SULT1A3	sulfotransf erase family, cytosolic, 1A, phenol- preferring, member 3	0.739927	Inlier
siRNA Disorazole DMSO Run2	NM_1775 52	SULT1A3	sulfotransf erase family, cytosolic, 1A, phenol- preferring, member 3	1.802286	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1775 52	SULT1A3	sulfotransf erase family, cytosolic, 1A, phenol- preferring, member 3	3.411331	Inlier
siRNA Disorazole DMSO Run3	NM_0144 65	SULT1B1	sulfotransf erase family, cytosolic, 1B, member 1	-0.854591	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0144 65	SULT1B1	sulfotransf erase family, cytosolic, 1B, member 1	-0.805026	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0144 65	SULT1B1	sulfotransf erase family, cytosolic, 1B, member 1	-0.783816	Inlier
siRNA Disorazole DMSO Run1	NM_0144 65	SULT1B1	sulfotransf erase family, cytosolic, 1B, member 1	-0.021439	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0144 65	SULT1B1	sulfotransf erase family, cytosolic, 1B, member 1	0.021439	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0144 65	SULT1B1	sulfotransf erase family, cytosolic, 1B, member 1	0.079608	Inlier
siRNA Disorazole DMSO Run2	NM_0144 65	SULT1B1	sulfotransf erase family, cytosolic, 1B, member 1	0.565184	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0144 65	SULT1B1	sulfotransf erase family, cytosolic, 1B, member 1	0.984546	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 56	SULT1C1	sulfotransf erase family, cytosolic, 1C, member 1	-2.061716	Inlier
siRNA Disorazole DMSO Run1	NM_0010 56	SULT1C1	sulfotransf erase family, cytosolic, 1C, member 1	-1.120122	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0010 56	SULT1C1	sulfotransf erase family, cytosolic, 1C, member 1	-0.652752	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0010 56	SULT1C1	sulfotransf erase family, cytosolic, 1C, member 1	-0.156502	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0010 56	SULT1C1	sulfotransf erase family, cytosolic, 1C, member 1	0.156502	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0010 56	SULT1C1	sulfotransf erase family, cytosolic, 1C, member 1	0.330362	Inlier
siRNA Disorazole DMSO Run2	NM_0010 56	SULT1C1	sulfotransf erase family, cytosolic, 1C, member 1	0.696248	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0010 56	SULT1C1	sulfotransf erase family, cytosolic, 1C, member 1	2.599772	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0065 88	SULT1C2	sulfotransf erase family, cytosolic, 1C, member 2	-2.351262	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0065 88	SULT1C2	sulfotransf erase family, cytosolic, 1C, member 2	-1.332337	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_006588	SULT1C2	sulfotransferase family, cytosolic, 1C, member 2	-0.277327	Inlier
siRNA Disorazole DMSO Run1	NM_006588	SULT1C2	sulfotransferase family, cytosolic, 1C, member 2	-0.03671	Inlier
siRNA Disorazole DMSO Run3	NM_006588	SULT1C2	sulfotransferase family, cytosolic, 1C, member 2	0.036709	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006588	SULT1C2	sulfotransferase family, cytosolic, 1C, member 2	0.232701	Inlier
siRNA Disorazole DMSO Run2	NM_006588	SULT1C2	sulfotransferase family, cytosolic, 1C, member 2	1.071673	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006588	SULT1C2	sulfotransferase family 1E, estrogen-preferring, member 1	2.803092	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005420	SULT1E1	sulfotransferase family 1E, estrogen-preferring, member 1	-2.090817	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005420	SULT1E1	sulfotransferase family 1E, estrogen-preferring, member 1	-1.313448	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0054 20	SULT1E1	sulfotransf erase family 1E, estrogen- preferring, member 1	-0.65359	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0054 20	SULT1E1	sulfotransf erase family 1E, estrogen- preferring, member 1	-0.029865	Inlier
siRNA Disorazole DMSO Run1	NM_0054 20	SULT1E1	sulfotransf erase family 1E, estrogen- preferring, member 1	0.029865	Inlier
siRNA Disorazole DMSO Run2	NM_0054 20	SULT1E1	sulfotransf erase family 1E, estrogen- preferring, member 1	0.598348	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0054 20	SULT1E1	sulfotransf erase family 1E, estrogen- preferring, member 1	0.69541	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0054 20	SULT1E1	sulfotransf erase family, cytosolic, 2A, dehydroep iandroster one (DHEA)- preferring, member 1	1.895241	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0031 67	SULT2A1	sulfotransf erase family, cytosolic, 2A, dehydroep iandroster one (DHEA)- preferring, member 1	-1.291238	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_003167	SULT2A1	sulfotransferase family, cytosolic, 2A, dehydroepiandrosterone (DHEA)-preferring, member 1	-0.616222	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003167	SULT2A1	sulfotransferase family, cytosolic, 2A, dehydroepiandrosterone (DHEA)-preferring, member 1	-0.401841	Inlier
siRNA Disorazole DMSO Run3	NM_003167	SULT2A1	sulfotransferase family, cytosolic, 2A, dehydroepiandrosterone (DHEA)-preferring, member 1	-0.202262	Inlier
siRNA Disorazole DMSO Run1	NM_003167	SULT2A1	sulfotransferase family, cytosolic, 2A, dehydroepiandrosterone (DHEA)-preferring, member 1	0.202262	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Log2 Fold Change	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003167	SULT2A1	0.732778	Inlier
siRNA Disorazole DMSO Run2	NM_003167	SULT2A1	1.214424	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003167	SULT2A1	2.118116	Inlier
siRNA-Temozolomide Run3-DMSO	NM_177973	SULT2B1	-1.086297	Inlier
siRNA-Vinblastine Run2-DMSO	NM_177973	SULT2B1	-0.915923	Inlier
siRNA Disorazole DMSO Run2	NM_177973	SULT2B1	-0.466745	Inlier

sulfotransferase family, cytosolic, 2A, dehydroepiandrosterone (DHEA)-preferring, member 1
sulfotransferase family, cytosolic, 2A, dehydroepiandrosterone (DHEA)-preferring, member 1
sulfotransferase family, cytosolic, 2A, dehydroepiandrosterone (DHEA)-preferring, member 1
sulfotransferase family, cytosolic, 2B, member 1
sulfotransferase family, cytosolic, 2B, member 1

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1779 73	SULT2B1	sulfotransf erase family, cytosolic, 2B, member 1	-0.179471	Inlier
siRNA Disorazole DMSO Run3	NM_1779 73	SULT2B1	sulfotransf erase family, cytosolic, 2B, member 1	0.179469	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1779 73	SULT2B1	sulfotransf erase family, cytosolic, 2B, member 1	0.518192	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1779 73	SULT2B1	sulfotransf erase family, cytosolic, 2B, member 1	0.830808	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1779 73	SULT2B1	sulfotransf erase family, cytosolic, 2B, member 1	3.431688	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1768 74	SULT4A1	family 4A, member 1	-4.971998	Outlier
siRNA Disorazole DMSO Run1	NM_1768 74	SULT4A1	sulfotransf erase family 4A, member 1	-0.870439	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1768 74	SULT4A1	sulfotransf erase family 4A, member 1	-0.478561	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1768 74	SULT4A1	sulfotransf erase family 4A, member 1	-0.026129	Inlier
siRNA Disorazole DMSO Run3	NM_1768 74	SULT4A1	sulfotransf erase family 4A, member 1	0.026129	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_1768 74	SULT4A1	sulfotransferase family 4A, member 1	0.423875	Inlier
siRNA Disorazole DMSO Run2	NM_1768 74	SULT4A1	sulfotransferase family 4A, member 1	8.773888	Outlier
siRNA-Vinblastine Run1-DMSO	NM_1768 74	SULT4A1	sulfotransferase family 4A, member 1	13.7402	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0004 56	SUOX	sulfite oxidase	-2.739578	Inlier
siRNA Disorazole DMSO Run3	NM_0004 56	SUOX	sulfite oxidase	-0.565647	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0004 56	SUOX	sulfite oxidase	-0.16403	Inlier
siRNA Disorazole DMSO Run1	NM_0004 56	SUOX	sulfite oxidase	-0.099575	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0004 56	SUOX	sulfite oxidase	0.099576	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0004 56	SUOX	sulfite oxidase	0.783353	Inlier
siRNA Disorazole DMSO Run2	NM_0004 56	SUOX	sulfite oxidase	0.925478	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0004 56	SUOX	sulfite oxidase	1.565463	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0071 92	SUPT16H	suppressor of Ty 16 homolog (S. cerevisiae)	-1.577561	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0071 92	SUPT16H	suppressor of Ty 16 homolog (S. cerevisiae)	-0.860566	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0071 92	SUPT16H	suppressor of Ty 16 homolog (S. cerevisiae)	-0.488434	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0071 92	SUPT16H	suppresso r of Ty 16 homolog (S. cerevisiae)	-0.050103	Inlier
siRNA Disorazole DMSO Run1	NM_0071 92	SUPT16H	suppresso r of Ty 16 homolog (S. cerevisiae)	0.050103	Inlier
siRNA Disorazole DMSO Run2	NM_0071 92	SUPT16H	suppresso r of Ty 16 homolog (S. cerevisiae)	0.248474	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0071 92	SUPT16H	suppresso r of Ty 16 homolog (S. cerevisiae)	0.898155	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0071 92	SUPT16H	suppresso r of Ty 16 homolog (S. cerevisiae)	1.073646	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0031 73	SUV39H1	suppresso r of variegation 3-9 homolog 1 (Drosophil a)	-2.593388	Inlier
siRNA Disorazole DMSO Run1	NM_0031 73	SUV39H1	suppresso r of variegation 3-9 homolog 1 (Drosophil a)	-0.902152	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_003173	SUV39H1	suppressor of variegation 3-9 homolog 1 (Drosophila)	-0.264972	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003173	SUV39H1	suppressor of variegation 3-9 homolog 1 (Drosophila)	-0.13773	Inlier
siRNA Disorazole DMSO Run3	NM_003173	SUV39H1	suppressor of variegation 3-9 homolog 1 (Drosophila)	0.13773	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003173	SUV39H1	suppressor of variegation 3-9 homolog 1 (Drosophila)	0.446848	Inlier
siRNA Disorazole DMSO Run2	NM_003173	SUV39H1	suppressor of variegation 3-9 homolog 1 (Drosophila)	1.621947	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003173	SUV39H1	suppressor of variegation 3-9 homolog 1 (Drosophila)	3.13657	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_024670	SUV39H2	suppressor of variegation 3-9 homolog 2 (Drosophila)	-1.089455	Inlier
siRNA-Temozolomide Run2-DMSO	NM_024670	SUV39H2	suppressor of variegation 3-9 homolog 2 (Drosophila)	-0.712181	Inlier
siRNA Disorazole DMSO Run1	NM_024670	SUV39H2	suppressor of variegation 3-9 homolog 2 (Drosophila)	-0.393166	Inlier
siRNA-Temozolomide Run1-DMSO	NM_024670	SUV39H2	suppressor of variegation 3-9 homolog 2 (Drosophila)	-0.368008	Inlier
siRNA Disorazole DMSO Run3	NM_024670	SUV39H2	suppressor of variegation 3-9 homolog 2 (Drosophila)	0.368007	Inlier
siRNA-Vinblastine Run1-DMSO	NM_024670	SUV39H2	suppressor of variegation 3-9 homolog 2 (Drosophila)	0.636819	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0246 70	SUV39H2	suppresso r of variegation 3-9 homolog 2 (Drosophil a)	0.87399	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0246 70	SUV39H2	suppresso r of variegation 3-9 homolog 2 (Drosophil a)	0.877207	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0031 77	SYK	spleen tyrosine kinase	-1.067873	Inlier
siRNA Disorazole DMSO Run2	NM_0031 77	SYK	spleen tyrosine kinase	-0.604356	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0031 77	SYK	spleen tyrosine kinase	-0.534707	Inlier
siRNA Disorazole DMSO Run3	NM_0031 77	SYK	spleen tyrosine kinase	-0.073053	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0031 77	SYK	spleen tyrosine kinase	0.073053	Inlier
siRNA Disorazole DMSO Run1	NM_0031 77	SYK	spleen tyrosine kinase	0.744644	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0031 77	SYK	spleen tyrosine kinase	0.874583	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0031 77	SYK	spleen tyrosine kinase	1.05256	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0038 95	SYNJ1	synaptojan in 1	-4.722863	Outlier
siRNA-Temozolomide Run2- DMSO	NM_0038 95	SYNJ1	synaptojan in 1	-3.503432	Outlier
siRNA-Temozolomide Run1- DMSO	NM_0038 95	SYNJ1	synaptojan in 1	-0.770957	Inlier
siRNA Disorazole DMSO Run3	NM_0038 95	SYNJ1	synaptojan in 1	-0.131631	Inlier
siRNA Disorazole DMSO Run2	NM_0038 95	SYNJ1	synaptojan in 1	0.131631	Inlier
siRNA Disorazole DMSO Run1	NM_0038 95	SYNJ1	synaptojan in 1	0.359446	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA-Vinblastine Run1- DMSO	NM_0038 95	SYNJ1	synaptojan in 1	0.578042	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0038 95	SYNJ1	synaptojan in 1	1.153223	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0038 98	SYNJ2	synaptojan in 2	-1.41764	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0038 98	SYNJ2	synaptojan in 2	-0.805993	Inlier
siRNA Disorazole DMSO Run2	NM_0038 98	SYNJ2	synaptojan in 2	-0.084998	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0038 98	SYNJ2	synaptojan in 2	-0.052606	Inlier
siRNA Disorazole DMSO Run3	NM_0038 98	SYNJ2	synaptojan in 2	0.052606	Inlier
siRNA Disorazole DMSO Run1	NM_0038 98	SYNJ2	synaptojan in 2	0.543007	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0038 98	SYNJ2	synaptojan in 2	1.021707	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0038 98	SYNJ2	synaptojan in 2	1.210056	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0252 28	T3JAM	TRAF3 interacting protein 3	-0.881804	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0252 28	T3JAM	TRAF3 interacting protein 3	-0.467196	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0252 28	T3JAM	TRAF3 interacting protein 3	-0.430637	Inlier
siRNA Disorazole DMSO Run2	NM_0252 28	T3JAM	TRAF3 interacting protein 3	-0.144621	Inlier
siRNA Disorazole DMSO Run1	NM_0252 28	T3JAM	TRAF3 interacting protein 3	0.144622	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0252 28	T3JAM	TRAF3 interacting protein 3	0.904083	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0252 28	T3JAM	TRAF3 interacting protein 3	1.200064	Inlier
siRNA Disorazole DMSO Run3	NM_0252 28	T3JAM	TRAF3 interacting protein 3	2.236498	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA-Vinblastine Run2- DMSO	NM_1983 12	TAB3	TAB3	-1.280832	Inlier
siRNA Disorazole DMSO Run3	NM_1983 12	TAB3	TAB3	-1.171793	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1983 12	TAB3	TAB3	-0.535626	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1983 12	TAB3	TAB3	-0.130361	Inlier
siRNA Disorazole DMSO Run2	NM_1983 12	TAB3	TAB3	0.130362	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1983 12	TAB3	TAB3	0.596383	Inlier
siRNA Disorazole DMSO Run1	NM_1983 12	TAB3	TAB3	0.752617	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1983 12	TAB3	TAB3	1.051316	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0132 51	TAC3	tachykinin 3 (neuromed in K, neurokinin beta)	-0.960569	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0132 51	TAC3	tachykinin 3 (neuromed in K, neurokinin beta)	-0.843389	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0132 51	TAC3	tachykinin 3 (neuromed in K, neurokinin beta)	-0.505611	Inlier
siRNA Disorazole DMSO Run3	NM_0132 51	TAC3	tachykinin 3 (neuromed in K, neurokinin beta)	-0.12932	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0132 51	TAC3	tachykinin 3 (neuromed in K, neurokinin beta)	0.12932	Inlier
siRNA Disorazole DMSO Run2	NM_0132 51	TAC3	tachykinin 3 (neuromed in K, neurokinin beta)	0.503348	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			tachykinin 3 (neuromed in K, neurokinin beta)	0.998927	Inlier
siRNA Disorazole DMSO Run1	NM_0132 51	TAC3	tachykinin 3 (neuromed in K, neurokinin beta)	1.052352	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0132 51	TAC3	tachykinin receptor 1	-1.576507	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 58	TACR1	tachykinin receptor 1	-0.656729	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 58	TACR1	tachykinin receptor 1	-0.210318	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 58	TACR1	tachykinin receptor 1	-0.104915	Inlier
siRNA Disorazole DMSO Run2	NM_0010 58	TACR1	tachykinin receptor 1	0.104914	Inlier
siRNA Disorazole DMSO Run1	NM_0010 58	TACR1	tachykinin receptor 1	0.692271	Inlier
siRNA Disorazole DMSO Run3	NM_0010 58	TACR1	tachykinin receptor 1	0.766762	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 58	TACR1	tachykinin receptor 1	0.857212	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 58	TACR1	tachykinin receptor 1	-4.662433	Outlier
siRNA Disorazole DMSO Run2	NM_0010 57	TACR2	tachykinin receptor 2	-2.095203	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 57	TACR2	tachykinin receptor 2	-0.643686	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 57	TACR2	tachykinin receptor 2	-0.188319	Inlier
siRNA Disorazole DMSO Run1	NM_0010 57	TACR2	tachykinin receptor 2	0.188318	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 57	TACR2	tachykinin receptor 2	0.48777	Inlier
siRNA Disorazole DMSO Run3	NM_0010 57	TACR2	tachykinin receptor 2	0.705314	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 57	TACR2	tachykinin receptor 2	1.19815	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 57	TACR2	tachykinin receptor 2	-0.784439	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 59	TACR3	tachykinin receptor 3	-0.564561	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 59	TACR3	tachykinin receptor 3	-0.559853	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 59	TACR3	tachykinin receptor 3	-0.559853	Inlier
siRNA Disorazole DMSO Run2	NM_0010 59	TACR3	tachykinin receptor 3	-0.245322	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_0010		tachykinin		
siRNA Disorazole DMSO Run1	59	TACR3	receptor 3	0.245322	Inlier
	NM_0010		tachykinin		
siRNA Disorazole DMSO Run3	59	TACR3	receptor 3	0.790378	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010		tachykinin		
	59	TACR3	receptor 3	1.237349	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010		tachykinin		
	59	TACR3	receptor 3	1.462333	Inlier
			TAF1 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 250kDa		
siRNA-Temozolomide Run3-DMSO	NM_1389	TAF1	250kDa	-1.568768	Inlier
	23		TAF1 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 250kDa		
	NM_1389		250kDa		
siRNA Disorazole DMSO Run2	23	TAF1	250kDa	-0.900118	Inlier
			TAF1 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 250kDa		
	NM_1389		250kDa		
siRNA Disorazole DMSO Run3	23	TAF1	250kDa	-0.80427	Inlier
			TAF1 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 250kDa		
	NM_1389		250kDa		
siRNA-Temozolomide Run1-DMSO	NM_1389	TAF1	250kDa	-0.029895	Inlier
	23		TAF1 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 250kDa		

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_1389 23	TAF1	TAF1 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 250kDa	0.029895	Inlier
siRNA Disorazole DMSO Run1	NM_1389 23	TAF1	TAF1 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 250kDa	0.225491	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1389 23	TAF1	TAF1 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 250kDa	0.66451	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1389 23	TAF1	TAF1 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 250kDa	0.68449	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Protein Weight	Log Fold Change	Classification
siRNA-Temozolomide Run3-DMSO	NM_139215	TAF15	TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor,	68kDa	-4.925114	Outlier
siRNA Disorazole DMSO Run1	NM_139215	TAF15	TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor,	68kDa	-0.777002	Inlier
siRNA-Temozolomide Run2-DMSO	NM_139215	TAF15	TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor,	68kDa	-0.428328	Inlier
siRNA Disorazole DMSO Run3	NM_139215	TAF15	TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor,	68kDa	-0.107315	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Weight	Classification
siRNA-Vinblastine Run2-DMSO	NM_139215	TAF15	TAF15	68kDa	0.107315 Inlier
siRNA-Vinblastine Run1-DMSO	NM_139215	TAF15	TAF15	68kDa	0.571998 Inlier
siRNA Disorazole DMSO Run2	NM_139215	TAF15	TAF15	68kDa	3.102566 Inlier
siRNA-Temozolomide Run1-DMSO	NM_139215	TAF15	TAF15	68kDa	5.24952 Outlier

TAF15
RNA
polymerase II, TATA
box
binding
protein
(TBP)-
associated
factor,

TAF15
RNA
polymerase II, TATA
box
binding
protein
(TBP)-
associated
factor,

TAF15
RNA
polymerase II, TATA
box
binding
protein
(TBP)-
associated
factor,

TAF15
RNA
polymerase II, TATA
box
binding
protein
(TBP)-
associated
factor,

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Weight	Outlier Status
siRNA Disorazole DMSO Run2	NM_153809	TAF1L	-2.200262	Inlier
siRNA-Temozolomide Run3-DMSO	NM_153809	TAF1L	-1.804279	Inlier
siRNA Disorazole DMSO Run3	NM_153809	TAF1L	-0.984529	Inlier
siRNA-Temozolomide Run1-DMSO	NM_153809	TAF1L	-0.021139	Inlier

TAF1-like
RNA
polymerase II, TATA
box
binding
protein
(TBP)-
associated
factor,
210kDa

TAF1-like
RNA
polymerase II, TATA
box
binding
protein
(TBP)-
associated
factor,
210kDa

TAF1-like
RNA
polymerase II, TATA
box
binding
protein
(TBP)-
associated
factor,
210kDa

TAF1-like
RNA
polymerase II, TATA
box
binding
protein
(TBP)-
associated
factor,
210kDa

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Value	Category
siRNA Disorazole DMSO Run1	NM_153809	TAF1L	TAF1-like RNA polymerase II, TATA box binding protein (TBP)-associated factor, 210kDa	0.021139	Inlier
siRNA-Temozolomide Run2-DMSO	NM_153809	TAF1L	TAF1-like RNA polymerase II, TATA box binding protein (TBP)-associated factor, 210kDa	0.178723	Inlier
siRNA-Vinblastine Run2-DMSO	NM_153809	TAF1L	TAF1-like RNA polymerase II, TATA box binding protein (TBP)-associated factor, 210kDa	0.628481	Inlier
siRNA-Vinblastine Run1-DMSO	NM_153809	TAF1L	TAF1-like RNA polymerase II, TATA box binding protein (TBP)-associated factor, 210kDa	0.720519	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_003184	TAF2	TAF2 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 150kDa	-3.226235	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003184	TAF2	TAF2 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 150kDa	-2.20304	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003184	TAF2	TAF2 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 150kDa	-0.230321	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003184	TAF2	TAF2 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 150kDa	-0.027981	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0031 84	TAF2	TAF2 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 150kDa	0.027981	Inlier
siRNA Disorazole DMSO Run2	NM_0031 84	TAF2	TAF2 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 150kDa	0.591326	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0031 84	TAF2	TAF2 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 150kDa	0.757674	Inlier
siRNA Disorazole DMSO Run3	NM_0031 84	TAF2	TAF2 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 150kDa	2.509853	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1388 10	TAGAP	T-cell activation GTPase activating protein	-1.094844	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_1388 10	TAGAP	T-cell activation GTPase activating protein	-0.254156	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1388 10	TAGAP	T-cell activation GTPase activating protein	-0.04268	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1388 10	TAGAP	T-cell activation GTPase activating protein	-0.039966	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1388 10	TAGAP	T-cell activation GTPase activating protein	0.039966	Inlier
siRNA Disorazole DMSO Run1	NM_1388 10	TAGAP	T-cell activation GTPase activating protein	1.37556	Inlier
siRNA Disorazole DMSO Run2	NM_1388 10	TAGAP	T-cell activation GTPase activating protein	2.907012	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1388 10	TAGAP	T-cell activation GTPase activating protein	2.94106	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0067 55	TALDO1	transaldol ase 1	-1.175375	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0067 55	TALDO1	transaldol ase 1	-1.045103	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0067 55	TALDO1	transaldol ase 1	-0.303897	Inlier
siRNA Disorazole DMSO Run1	NM_0067 55	TALDO1	transaldol ase 1	-0.209677	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0067 55	TALDO1	transaldol ase 1	0.209676	Inlier
siRNA Disorazole DMSO Run3	NM_0067 55	TALDO1	transaldol ase 1	0.252263	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0067 55	TALDO1	transaldol ase 1	1.108398	Inlier
siRNA Disorazole DMSO Run2	NM_0067 55	TALDO1	transaldol ase 1	1.567864	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Temozolomide Run2- DMSO	NM_0047 83	TAO1	TAO kinase 2	-1.692479	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0047 83	TAO1	TAO kinase 2	-1.053244	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0047 83	TAO1	TAO kinase 2	-0.65662	Inlier
siRNA Disorazole DMSO Run1	NM_0047 83	TAO1	TAO kinase 2	-0.03607	Inlier
siRNA Disorazole DMSO Run3	NM_0047 83	TAO1	TAO kinase 2	0.03607	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0047 83	TAO1	TAO kinase 2	0.42324	Inlier
siRNA Disorazole DMSO Run2	NM_0047 83	TAO1	TAO kinase 2	0.69238	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0047 83	TAO1	TAO kinase 2	1.042614	Inlier
siRNA Disorazole DMSO Run2	NM_0005 93	TAP1	transporter 1, ATP- binding cassette, sub-family B (MDR/TAP)	-2.747316	Inlier
siRNA Disorazole DMSO Run1	NM_0005 93	TAP1	transporter 1, ATP- binding cassette, sub-family B (MDR/TAP)	-2.352912	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0005 93	TAP1	transporter 1, ATP- binding cassette, sub-family B (MDR/TAP)	-1.548043	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0005 93	TAP1	(MDR/TAP)	-0.252478	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_000593	TAP1	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)	0.252478	Inlier
siRNA Disorazole DMSO Run3	NM_000593	TAP1	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)	0.278432	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000593	TAP1	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)	0.545288	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000593	TAP1	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	0.803712	Inlier
siRNA Disorazole DMSO Run1	NM_000544	TAP2	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	-1.067223	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000544	TAP2	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	-0.619224	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_000544	TAP2	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	-0.127726	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000544	TAP2	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	-0.05997	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000544	TAP2	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	0.05997	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000544	TAP2	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	0.729776	Inlier
siRNA Disorazole DMSO Run2	NM_000544	TAP2	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	1.364667	Inlier
siRNA Disorazole DMSO Run3	NM_000544	TAP2	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	2.398439	Inlier
siRNA-Temozolomide Run2-DMSO	NM_139283	TA-PP2C	TA-PP2C	-0.742888	Inlier
siRNA Disorazole DMSO Run3	NM_139283	TA-PP2C	TA-PP2C	-0.656846	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Temozolomide Run3-DMSO	NM_1392 83	TA-PP2C	TA-PP2C	-0.627635	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1392 83	TA-PP2C	TA-PP2C	-0.096942	Inlier
siRNA Disorazole DMSO Run1	NM_1392 83	TA-PP2C	TA-PP2C	0.096942	Inlier
siRNA Disorazole DMSO Run2	83	TA-PP2C	TA-PP2C	0.692154	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1392 83	TA-PP2C	TA-PP2C	0.84009	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1392 83	TA-PP2C	TA-PP2C	0.983663	Inlier
siRNA Disorazole DMSO Run3	NM_1522 95	TARS	threonyl-tRNA synthetase	-2.673773	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1522 95	TARS	threonyl-tRNA synthetase	-0.999703	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1522 95	TARS	threonyl-tRNA synthetase	-0.653733	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1522 95	TARS	threonyl-tRNA synthetase	-0.072309	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1522 95	TARS	threonyl-tRNA synthetase	0.072309	Inlier
siRNA Disorazole DMSO Run1	NM_1522 95	TARS	threonyl-tRNA synthetase	0.270655	Inlier
siRNA Disorazole DMSO Run2	NM_1522 95	TARS	threonyl-tRNA synthetase	0.695267	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1522 95	TARS	threonyl-tRNA synthetase	0.799879	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1775 41	TAS1R1	taste receptor, type 1, member 1	-1.282988	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1775 41	TAS1R1	taste receptor, type 1, member 1	-0.681819	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Value	Category
siRNA Disorazole DMSO Run2	NM_1775 41	TAS1R1	taste receptor, type 1, member 1	-0.667181	Inlier
siRNA Disorazole DMSO Run3	NM_1775 41	TAS1R1	taste receptor, type 1, member 1	-0.291674	Inlier
siRNA Disorazole DMSO Run1	NM_1775 41	TAS1R1	taste receptor, type 1, member 1	0.291674	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1775 41	TAS1R1	taste receptor, type 1, member 1	0.468829	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1775 41	TAS1R1	taste receptor, type 1, member 1	1.262128	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1775 41	TAS1R1	taste receptor, type 1, member 1	1.421165	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1522 32	TAS1R2	taste receptor, type 1, member 2	-3.794684	Outlier
siRNA Disorazole DMSO Run1	NM_1522 32	TAS1R2	taste receptor, type 1, member 2	-0.701282	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1522 32	TAS1R2	taste receptor, type 1, member 2	-0.647718	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1522 32	TAS1R2	taste receptor, type 1, member 2	-0.350133	Inlier
siRNA Disorazole DMSO Run2	NM_1522 32	TAS1R2	taste receptor, type 1, member 2	0.350134	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1522 32	TAS1R2	taste receptor, type 1, member 2	0.499967	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1522 32	TAS1R2	taste receptor, type 1, member 2	0.739281	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_1522 32	TAS1R2	taste receptor, type 1, member 2	3.039127	Inlier
siRNA-Temozolomide Run3- DMSO	XM_37121 0	TAS1R3	taste receptor, type 1, member 3	-1.217691	Inlier
siRNA-Temozolomide Run2- DMSO	XM_37121 0	TAS1R3	taste receptor, type 1, member 3	-0.316436	Inlier
siRNA-Vinblastine Run2- DMSO	XM_37121 0	TAS1R3	taste receptor, type 1, member 3	-0.14222	Inlier
siRNA Disorazole DMSO Run3	XM_37121 0	TAS1R3	taste receptor, type 1, member 3	-0.091412	Inlier
siRNA Disorazole DMSO Run1	XM_37121 0	TAS1R3	taste receptor, type 1, member 3	0.091412	Inlier
siRNA-Temozolomide Run1- DMSO	XM_37121 0	TAS1R3	taste receptor, type 1, member 3	1.032564	Inlier
siRNA-Vinblastine Run1- DMSO	XM_37121 0	TAS1R3	taste receptor, type 1, member 3	2.239354	Inlier
siRNA Disorazole DMSO Run2	XM_37121 0	TAS1R3	taste receptor, type 1, member 3	2.709817	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0195 99	TAS2R1	taste receptor, type 2, member 1	-0.983858	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0195 99	TAS2R1	taste receptor, type 2, member 1	-0.782114	Inlier
siRNA Disorazole DMSO Run2	NM_0195 99	TAS2R1	taste receptor, type 2, member 1	-0.208767	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0195 99	TAS2R1	taste receptor, type 2, member 1	-0.096002	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0195 99	TAS2R1	taste receptor, type 2, member 1	0.096002	Inlier
siRNA Disorazole DMSO Run3	NM_0195 99	TAS2R1	taste receptor, type 2, member 1	0.566886	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0195 99	TAS2R1	taste receptor, type 2, member 1	0.900229	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0195 99	TAS2R1	taste receptor, type 2, member 1	0.919463	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0239 21	TAS2R10	taste receptor, type 2, member 10	-3.225733	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0239 21	TAS2R10	taste receptor, type 2, member 10	-1.007518	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0239 21	TAS2R10	taste receptor, type 2, member 10	-0.341482	Inlier
siRNA Disorazole DMSO Run3	NM_0239 21	TAS2R10	taste receptor, type 2, member 10	-0.063503	Inlier
siRNA Disorazole DMSO Run2	NM_0239 21	TAS2R10	taste receptor, type 2, member 10	0.063502	Inlier
siRNA Disorazole DMSO Run1	NM_0239 21	TAS2R10	taste receptor, type 2, member 10	0.180073	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0239 21	TAS2R10	taste receptor, type 2, member 10	1.120463	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0239 21	TAS2R10	taste receptor, type 2, member 10	1.448918	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0239 20	TAS2R13	taste receptor, type 2, member 13	-5.277015	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0239 20	TAS2R13	taste receptor, type 2, member 13	-2.2955	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0239 20	TAS2R13	taste receptor, type 2, member 13	-0.694302	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0239 20	TAS2R13	taste receptor, type 2, member 13	-0.072144	Inlier
siRNA Disorazole DMSO Run1	NM_0239 20	TAS2R13	taste receptor, type 2, member 13	0.072143	Inlier
siRNA Disorazole DMSO Run3	NM_0239 20	TAS2R13	taste receptor, type 2, member 13	0.386736	Inlier
siRNA Disorazole DMSO Run2	NM_0239 20	TAS2R13	taste receptor, type 2, member 13	0.654698	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0239 20	TAS2R13	taste receptor, type 2, member 13	0.745695	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0239 22	TAS2R14	taste receptor, type 2, member 14	-3.580491	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0239 22	TAS2R14	taste receptor, type 2, member 14	-0.996165	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0239 22	TAS2R14	taste receptor, type 2, member 14	-0.604599	Inlier
siRNA Disorazole DMSO Run1	NM_0239 22	TAS2R14	taste receptor, type 2, member 14	-0.011044	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0239 22	TAS2R14	taste receptor, type 2, member 14	0.011044	Inlier
siRNA Disorazole DMSO Run2	NM_0239 22	TAS2R14	taste receptor, type 2, member 14	0.358488	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0239 22	TAS2R14	taste receptor, type 2, member 14	0.744401	Inlier
siRNA Disorazole DMSO Run3	NM_0239 22	TAS2R14	taste receptor, type 2, member 14	0.90032	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0169 45	TAS2R16	taste receptor, type 2, member 16	-2.453356	Inlier
siRNA Disorazole DMSO Run1	NM_0169 45	TAS2R16	taste receptor, type 2, member 16	-0.723366	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0169 45	TAS2R16	taste receptor, type 2, member 16	-0.593001	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Accession	Gene Name	Value	Outlier Status
siRNA-Temozolomide Run1-DMSO	NM_0169	45	TAS2R16	16	-0.250921 Inlier
siRNA Disorazole DMSO Run3	NM_0169	45	TAS2R16	16	0.250921 Inlier
siRNA Disorazole DMSO Run2	NM_0169	45	TAS2R16	16	0.628022 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0169	45	TAS2R16	16	0.720978 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0169	45	TAS2R16	16	1.052641 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0169	43	TAS2R3	member 3	-0.980755 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0169	43	TAS2R3	member 3	-0.368245 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0169	43	TAS2R3	member 3	-0.132647 Inlier
siRNA Disorazole DMSO Run2	NM_0169	43	TAS2R3	member 3	-0.074658 Inlier
siRNA Disorazole DMSO Run3	NM_0169	43	TAS2R3	member 3	0.074658 Inlier
siRNA Disorazole DMSO Run1	NM_0169	43	TAS2R3	member 3	1.040891 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Gene ID	Gene Name	Log2FC	Classification
siRNA-Vinblastine Run1-DMSO	NM_016943	TAS2R3	taste receptor, type 2, member 3	1.911417	Inlier
siRNA-Vinblastine Run2-DMSO	NM_016943	TAS2R3	taste receptor, type 2, member 3	2.376777	Inlier
siRNA-Temozolomide Run3-DMSO	NM_176817	TAS2R38	taste receptor, type 2, member 38	-4.423667	Outlier
siRNA-Temozolomide Run2-DMSO	NM_176817	TAS2R38	taste receptor, type 2, member 38	-1.719019	Inlier
siRNA-Temozolomide Run1-DMSO	NM_176817	TAS2R38	taste receptor, type 2, member 38	-1.454669	Inlier
siRNA Disorazole DMSO Run3	NM_176817	TAS2R38	taste receptor, type 2, member 38	-0.133477	Inlier
siRNA Disorazole DMSO Run1	NM_176817	TAS2R38	taste receptor, type 2, member 38	0.133477	Inlier
siRNA-Vinblastine Run2-DMSO	NM_176817	TAS2R38	taste receptor, type 2, member 38	0.321521	Inlier
siRNA Disorazole DMSO Run2	NM_176817	TAS2R38	taste receptor, type 2, member 38	0.338779	Inlier
siRNA-Vinblastine Run1-DMSO	NM_176817	TAS2R38	taste receptor, type 2, member 38	1.010221	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Run	Condition	Gene	Value	Category
siRNA Disorazole DMSO Run1	NM_1768	81	TAS2R39	taste receptor, type 2, member 39	-5.074915	Outlier
siRNA-Temozolomide Run1-DMSO	NM_1768	81	TAS2R39	taste receptor, type 2, member 39	-1.122854	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1768	81	TAS2R39	taste receptor, type 2, member 39	-0.226146	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1768	81	TAS2R39	taste receptor, type 2, member 39	-0.082194	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1768	81	TAS2R39	taste receptor, type 2, member 39	0.082194	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1768	81	TAS2R39	taste receptor, type 2, member 39	0.217253	Inlier
siRNA Disorazole DMSO Run2	NM_1768	81	TAS2R39	taste receptor, type 2, member 39	3.176635	Inlier
siRNA Disorazole DMSO Run3	NM_1768	81	TAS2R39	taste receptor, type 2, member 39	5.336225	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0169	44	TAS2R4	taste receptor, type 2, member 4	-1.003511	Inlier
siRNA Disorazole DMSO Run2	NM_0169	44	TAS2R4	taste receptor, type 2, member 4	-0.355844	Inlier
siRNA Disorazole DMSO Run3	NM_0169	44	TAS2R4	taste receptor, type 2, member 4	-0.231364	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Value	Category
siRNA-Temozolomide Run2-DMSO	NM_0169 44	TAS2R4	taste receptor, type 2, member 4	-0.054365	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0169 44	TAS2R4	taste receptor, type 2, member 4	0.054365	Inlier
siRNA Disorazole DMSO Run1	NM_0169 44	TAS2R4	taste receptor, type 2, member 4	0.993156	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0169 44	TAS2R4	taste receptor, type 2, member 4	2.102804	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0169 44	TAS2R4	taste receptor, type 2, member 4	2.136769	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1768 82	TAS2R40	taste receptor, type 2, member 40	-3.126445	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1768 82	TAS2R40	taste receptor, type 2, member 40	-0.972396	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1768 82	TAS2R40	taste receptor, type 2, member 40	-0.376867	Inlier
siRNA Disorazole DMSO Run1	NM_1768 82	TAS2R40	taste receptor, type 2, member 40	-0.16483	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1768 82	TAS2R40	taste receptor, type 2, member 40	0.16483	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1768 82	TAS2R40	taste receptor, type 2, member 40	0.430892	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Gene ID	Gene Name	Value	Category
siRNA Disorazole DMSO Run2	NM_1768	82	TAS2R40	taste receptor, type 2, member 40	0.918108	Inlier
siRNA Disorazole DMSO Run3	NM_1768	82	TAS2R40	taste receptor, type 2, member 40	5.164618	Outlier
siRNA-Temozolomide DMSO Run3-	NM_1768	83	TAS2R41	taste receptor, type 2, member 41	-1.471381	Inlier
siRNA Disorazole DMSO Run2	NM_1768	83	TAS2R41	taste receptor, type 2, member 41	-0.681099	Inlier
siRNA Disorazole DMSO Run1	NM_1768	83	TAS2R41	taste receptor, type 2, member 41	-0.418742	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1768	83	TAS2R41	taste receptor, type 2, member 41	-0.385587	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1768	83	TAS2R41	taste receptor, type 2, member 41	0.385587	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1768	83	TAS2R41	taste receptor, type 2, member 41	0.667901	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1768	83	TAS2R41	taste receptor, type 2, member 41	0.953062	Inlier
siRNA Disorazole DMSO Run3	NM_1768	83	TAS2R41	taste receptor, type 2, member 41	2.153546	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_1768 84	TAS2R43	taste receptor, type 2, member 43	-1.449752	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1768 84	TAS2R43	taste receptor, type 2, member 43	-1.206543	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1768 84	TAS2R43	taste receptor, type 2, member 43	-0.291955	Inlier
siRNA Disorazole DMSO Run1	NM_1768 84	TAS2R43	taste receptor, type 2, member 43	-0.199573	Inlier
siRNA Disorazole DMSO Run3	NM_1768 84	TAS2R43	taste receptor, type 2, member 43	0.199574	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1768 84	TAS2R43	taste receptor, type 2, member 43	0.47026	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1768 84	TAS2R43	taste receptor, type 2, member 43	0.87874	Inlier
siRNA Disorazole DMSO Run2	NM_1768 84	TAS2R43	taste receptor, type 2, member 43	1.359452	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1768 85	TAS2R44	taste receptor, type 2, member 44	-5.303958	Outlier
siRNA Disorazole DMSO Run1	NM_1768 85	TAS2R44	taste receptor, type 2, member 44	-3.40502	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_1768 85	TAS2R44	taste receptor, type 2, member 44	-0.375931	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1768 85	TAS2R44	taste receptor, type 2, member 44	-0.18241	Inlier
siRNA Disorazole DMSO Run3	NM_1768 85	TAS2R44	taste receptor, type 2, member 44	0.18241	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1768 85	TAS2R44	taste receptor, type 2, member 44	0.212698	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1768 85	TAS2R44	taste receptor, type 2, member 44	0.973069	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1768 85	TAS2R44	taste receptor, type 2, member 44	2.30629	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1768 87	TAS2R46	taste receptor, type 2, member 46	-2.300413	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1768 87	TAS2R46	taste receptor, type 2, member 46	-0.761989	Inlier
siRNA Disorazole DMSO Run2	NM_1768 87	TAS2R46	taste receptor, type 2, member 46	-0.430586	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1768 87	TAS2R46	taste receptor, type 2, member 46	-0.205075	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Gene	Value	Outlier
siRNA Disorazole DMSO Run1	NM_1768	87	TAS2R46	46	0.205075 Inlier
siRNA Disorazole DMSO Run3	NM_1768	87	TAS2R46	46	0.587011 Inlier
siRNA-Vinblastine Run1-DMSO	NM_1768	87	TAS2R46	46	1.294569 Inlier
siRNA-Vinblastine Run2-DMSO	NM_1768	87	TAS2R46	46	1.483651 Inlier
siRNA-Temozolomide Run3-DMSO	NM_1768	88	TAS2R48	48	-2.105208 Inlier
siRNA-Temozolomide Run1-DMSO	NM_1768	88	TAS2R48	48	-1.12598 Inlier
siRNA-Temozolomide Run2-DMSO	NM_1768	88	TAS2R48	48	-0.806639 Inlier
siRNA Disorazole DMSO Run1	NM_1768	88	TAS2R48	48	-0.242185 Inlier
siRNA Disorazole DMSO Run3	NM_1768	88	TAS2R48	48	0.242185 Inlier
siRNA-Vinblastine Run2-DMSO	NM_1768	88	TAS2R48	48	0.529697 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Accession	Gene	Accession	Value	Outlier
siRNA Disorazole DMSO Run2	NM_1768	88	TAS2R48	48	0.542361	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1768	88	TAS2R48	48	1.010718	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1768	89	TAS2R49	49	-1.79458	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1768	89	TAS2R49	49	-1.025513	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1768	89	TAS2R49	49	-0.718075	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1768	89	TAS2R49	49	-0.191523	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1768	89	TAS2R49	49	0.191522	Inlier
siRNA Disorazole DMSO Run1	NM_1768	89	TAS2R49	49	0.268587	Inlier
siRNA Disorazole DMSO Run2	NM_1768	89	TAS2R49	49	0.630925	Inlier
siRNA Disorazole DMSO Run3	NM_1768	89	TAS2R49	49	1.523914	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0189 80	TAS2R5	taste receptor, type 2, member 5	-0.982845	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0189 80	TAS2R5	taste receptor, type 2, member 5	-0.366155	Inlier
siRNA Disorazole DMSO Run2	NM_0189 80	TAS2R5	taste receptor, type 2, member 5	-0.11206	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0189 80	TAS2R5	taste receptor, type 2, member 5	-0.013034	Inlier
siRNA Disorazole DMSO Run3	NM_0189 80	TAS2R5	taste receptor, type 2, member 5	0.013034	Inlier
siRNA Disorazole DMSO Run1	NM_0189 80	TAS2R5	taste receptor, type 2, member 5	1.020375	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0189 80	TAS2R5	taste receptor, type 2, member 5	1.658201	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0189 80	TAS2R5	taste receptor, type 2, member 5	2.006815	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1768 90	TAS2R50	taste receptor, type 2, member 50	-1.24557	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1768 90	TAS2R50	taste receptor, type 2, member 50	-1.013268	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1768 90	TAS2R50	taste receptor, type 2, member 50	-0.37952	Inlier
siRNA Disorazole DMSO Run2	NM_1768 90	TAS2R50	taste receptor, type 2, member 50	-0.161214	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Accession	Probe	Value	Outlier
siRNA Disorazole DMSO Run1	NM_1768	TAS2R50	50	0.161214	Inlier
siRNA Disorazole DMSO Run3	NM_1768	TAS2R50	50	0.280431	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1768	TAS2R50	50	0.96948	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1768	TAS2R50	50	1.066657	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1774	TAS2R60	60	-0.921115	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1774	TAS2R60	60	-0.861458	Inlier
siRNA Disorazole DMSO Run3	NM_1774	TAS2R60	60	-0.2847	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1774	TAS2R60	60	-0.145086	Inlier
siRNA Disorazole DMSO Run2	NM_1774	TAS2R60	60	0.145086	Inlier
siRNA Disorazole DMSO Run1	NM_1774	TAS2R60	60	0.487542	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_1774 37	TAS2R60	taste receptor, type 2, member 60	0.890213	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1774 37	TAS2R60	taste receptor, type 2, member 60	1.158219	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0239 19	TAS2R7	taste receptor, type 2, member 7	-2.399394	Inlier
siRNA Disorazole DMSO Run2	NM_0239 19	TAS2R7	taste receptor, type 2, member 7	-1.658212	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0239 19	TAS2R7	taste receptor, type 2, member 7	-0.987932	Inlier
siRNA Disorazole DMSO Run1	NM_0239 19	TAS2R7	taste receptor, type 2, member 7	-0.125744	Inlier
siRNA Disorazole DMSO Run3	NM_0239 19	TAS2R7	taste receptor, type 2, member 7	0.125744	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0239 19	TAS2R7	taste receptor, type 2, member 7	0.141231	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0239 19	TAS2R7	taste receptor, type 2, member 7	0.361068	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0239 19	TAS2R7	taste receptor, type 2, member 7	1.077828	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0239 18	TAS2R8	taste receptor, type 2, member 8	-4.169637	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0239 18	TAS2R8	taste receptor, type 2, member 8	-0.903777	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Gene ID	Gene Name	Value	Outlier
siRNA-Vinblastine Run2-DMSO	NM_0239	18	TAS2R8	-0.445223	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0239	18	TAS2R8	-0.103785	Inlier
siRNA Disorazole DMSO Run1	NM_0239	18	TAS2R8	0.103784	Inlier
siRNA Disorazole DMSO Run2	NM_0239	18	TAS2R8	0.111196	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0239	18	TAS2R8	1.109938	Inlier
siRNA Disorazole DMSO Run3	NM_0239	18	TAS2R8	1.210257	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0239	17	TAS2R9	-1.196167	Inlier
siRNA Disorazole DMSO Run2	NM_0239	17	TAS2R9	-0.993367	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0239	17	TAS2R9	-0.33328	Inlier
siRNA Disorazole DMSO Run1	NM_0239	17	TAS2R9	-0.146976	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0239	17	TAS2R9	0.146975	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0239	17	TAS2R9	0.536698	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0239	17	TAS2R9	0.812302	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0239 17	TAS2R9	taste receptor, type 2, member 9	1.131907	Inlier
siRNA Disorazole DMSO Run3	NM_0003 53	TAT	tyrosine aminotransferase	-1.000452	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0003 53	TAT	tyrosine aminotransferase	-0.776383	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0003 53	TAT	tyrosine aminotransferase	-0.222656	Inlier
siRNA Disorazole DMSO Run1	NM_0003 53	TAT	tyrosine aminotransferase	-0.055048	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0003 53	TAT	tyrosine aminotransferase	0.055048	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0003 53	TAT	tyrosine aminotransferase	0.572617	Inlier
siRNA Disorazole DMSO Run2	NM_0003 53	TAT	tyrosine aminotransferase	1.894702	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0003 53	TAT	tyrosine aminotransferase	4.294457	Outlier
siRNA Disorazole DMSO Run1	NM_1813 13	TAZ	tafazzin (cardiomyopathy, dilated 3A (X-linked); endocardial fibroelastosis 2; Barth syndrome)	-1.335829	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1813 13	TAZ	tafazzin (cardiomyopathy, dilated 3A (X-linked); endocardial fibroelastosis 2; Barth syndrome)	-0.819663	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_181313	TAZ	tafazzin (cardiomyopathy, dilated 3A (X-linked); endocardial fibroelastosis 2; Barth syndrome)	-0.187607	Inlier
siRNA Disorazole DMSO Run3	NM_181313	TAZ	tafazzin (cardiomyopathy, dilated 3A (X-linked); endocardial fibroelastosis 2; Barth syndrome)	-0.176746	Inlier
siRNA-Temozolomide Run1-DMSO	NM_181313	TAZ	tafazzin (cardiomyopathy, dilated 3A (X-linked); endocardial fibroelastosis 2; Barth syndrome)	0.176746	Inlier
siRNA-Temozolomide Run3-DMSO	NM_181313	TAZ	tafazzin (cardiomyopathy, dilated 3A (X-linked); endocardial fibroelastosis 2; Barth syndrome)	0.529337	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_1813 13	TAZ	tafazzin (cardiomyopathy, dilated 3A (X-linked); endocardial fibroelastosis 2; Barth syndrome)	1.690973	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1813 13	TAZ	tafazzin (cardiomyopathy, dilated 3A (X-linked); endocardial fibroelastosis 2; Barth syndrome)	1.965337	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0322 58	TBC1D3	TBC1 domain family, member 3	-2.451223	Inlier
siRNA Disorazole DMSO Run1	NM_0322 58	TBC1D3	TBC1 domain family, member 3	-1.337	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0322 58	TBC1D3	TBC1 domain family, member 3	-0.538608	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0322 58	TBC1D3	TBC1 domain family, member 3	-0.285774	Inlier
siRNA Disorazole DMSO Run2	NM_0322 58	TBC1D3	TBC1 domain family, member 3	0.285774	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0322 58	TBC1D3	TBC1 domain family, member 3	0.640894	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0322 58	TBC1D3	TBC1 domain family, member 3	0.708106	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0322	58	TBC1D3	TBC1 domain family, member 3	5.962583	Outlier
siRNA Disorazole DMSO Run2	NM_0132	54	TBK1	TANK-binding kinase 1	-0.772314	Inlier
siRNA Disorazole DMSO Run3	NM_0132	54	TBK1	TANK-binding kinase 1	-0.576686	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0132	54	TBK1	TANK-binding kinase 1	-0.438485	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0132	54	TBK1	TANK-binding kinase 1	-0.418684	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0132	54	TBK1	TANK-binding kinase 1	0.418684	Inlier
siRNA Disorazole DMSO Run1	NM_0132	54	TBK1	TANK-binding kinase 1	1.246874	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0132	54	TBK1	TANK-binding kinase 1	1.611608	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0132	54	TBK1	TANK-binding kinase 1	2.183154	Inlier
siRNA-Temozolomide Run3-DMSO	NM_2016	36	TBXA2R	thromboxane A2 receptor	-3.449932	Inlier
siRNA Disorazole DMSO Run3	NM_2016	36	TBXA2R	thromboxane A2 receptor	-1.726119	Inlier
siRNA-Temozolomide Run2-DMSO	NM_2016	36	TBXA2R	thromboxane A2 receptor	-0.279313	Inlier
siRNA-Temozolomide Run1-DMSO	NM_2016	36	TBXA2R	thromboxane A2 receptor	-0.129753	Inlier
siRNA Disorazole DMSO Run2	NM_2016	36	TBXA2R	thromboxane A2 receptor	0.129753	Inlier
siRNA Disorazole DMSO Run1	NM_2016	36	TBXA2R	thromboxane A2 receptor	0.318765	Inlier
siRNA-Vinblastine Run1-DMSO	NM_2016	36	TBXA2R	thromboxane A2 receptor	1.030235	Inlier
siRNA-Vinblastine Run2-DMSO	NM_2016	36	TBXA2R	thromboxane A2 receptor	1.139551	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_030984	TBXAS1	thromboxane A synthase 1 (platelet, cytochrome P450, family 5, subfamily A)	-0.892594	Inlier
siRNA-Temozolomide Run3-DMSO	NM_030984	TBXAS1	thromboxane A synthase 1 (platelet, cytochrome P450, family 5, subfamily A)	-0.665678	Inlier
siRNA Disorazole DMSO Run1	NM_030984	TBXAS1	thromboxane A synthase 1 (platelet, cytochrome P450, family 5, subfamily A)	-0.225423	Inlier
siRNA-Temozolomide Run1-DMSO	NM_030984	TBXAS1	thromboxane A synthase 1 (platelet, cytochrome P450, family 5, subfamily A)	-0.175923	Inlier
siRNA Disorazole DMSO Run3	NM_030984	TBXAS1	thromboxane A synthase 1 (platelet, cytochrome P450, family 5, subfamily A)	0.175923	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0309 84	TBXAS1	thromboxane A synthase 1 (platelet, cytochrome P450, family 5, subfamily A)	0.683322	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0309 84	TBXAS1	thromboxane A synthase 1 (platelet, cytochrome P450, family 5, subfamily A)	0.773915	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0309 84	TBXAS1	thromboxane A synthase 1 (platelet, cytochrome P450, family 5, subfamily A)	1.225821	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0032 11	TDG	thymine-DNA glycosylase	-1.583058	Inlier
siRNA Disorazole DMSO Run3	NM_0032 11	TDG	thymine-DNA glycosylase	-1.130746	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0032 11	TDG	thymine-DNA glycosylase	-0.904615	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0032 11	TDG	thymine-DNA glycosylase	-0.016443	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0032 11	TDG	thymine-DNA glycosylase	0.016443	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0032 11	TDG	thymine-DNA glycosylase	0.411406	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0032 11	TDG	thymine-DNA glycosylase	0.444385	Inlier
siRNA Disorazole DMSO Run2	NM_0032 11	TDG	thymine-DNA glycosylase	0.977891	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0056 51	TDO2	tryptophan 2,3-dioxygenase	-1.668999	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0056 51	TDO2	tryptophan 2,3-dioxygenase	-0.791603	Inlier
siRNA Disorazole DMSO Run1	NM_0056 51	TDO2	tryptophan 2,3-dioxygenase	-0.557397	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0056 51	TDO2	tryptophan 2,3-dioxygenase	-0.062045	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0056 51	TDO2	tryptophan 2,3-dioxygenase	0.062046	Inlier
siRNA Disorazole DMSO Run3	NM_0056 51	TDO2	tryptophan 2,3-dioxygenase	0.084965	Inlier
siRNA Disorazole DMSO Run2	NM_0056 51	TDO2	tryptophan 2,3-dioxygenase	1.198333	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0056 51	TDO2	tryptophan 2,3-dioxygenase	2.441759	Inlier
siRNA Disorazole DMSO Run3	NM_0183 19	TDP1	tyrosyl-DNA phosphodiesterase 1	-1.646088	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0183 19	TDP1	tyrosyl-DNA phosphodiesterase 1	-1.629246	Inlier
siRNA Disorazole DMSO Run1	NM_0183 19	TDP1	tyrosyl-DNA phosphodiesterase 1	-0.380144	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0183 19	TDP1	tyrosyl-DNA phosphodiesterase 1	-0.212557	Inlier
siRNA Disorazole DMSO Run2	NM_0183 19	TDP1	tyrosyl-DNA phosphodiesterase 1	0.212557	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0183 19	TDP1	tyrosyl-DNA phosphodiesterase 1	0.446492	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0183 19	TDP1	tyrosyl-DNA phosphodiesterase 1	0.902507	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0183 19	TDP1	tyrosyl-DNA phosphodiesterase 1	1.403021	Inlier
siRNA Disorazole DMSO Run3	NM_0032 15	TEC	tec protein tyrosine kinase	-0.732796	Inlier
siRNA Disorazole DMSO Run2	NM_0032 15	TEC	tec protein tyrosine kinase	-0.616204	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0032 15	TEC	tec protein tyrosine kinase	-0.547091	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0032 15	TEC	tec protein tyrosine kinase	-0.056549	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0032 15	TEC	tec protein tyrosine kinase	0.05655 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0032 15	TEC	tec protein tyrosine kinase	1.821255 Inlier
siRNA Disorazole DMSO Run1	NM_0032 15	TEC	tec protein tyrosine kinase	2.468704 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0032 15	TEC	tec protein tyrosine kinase	2.595698 Inlier
siRNA Disorazole DMSO Run2	NM_0004 59	TEK	TEK tyrosine kinase, endothelial (venous malformations, multiple cutaneous and mucosal)	-1.218725 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0004 59	TEK	TEK tyrosine kinase, endothelial (venous malformations, multiple cutaneous and mucosal)	-1.089475 Inlier
siRNA Disorazole DMSO Run3	NM_0004 59	TEK	TEK tyrosine kinase, endothelial (venous malformations, multiple cutaneous and mucosal)	-0.866054 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Log2 Fold Change	Outlier Status
siRNA-Temozolomide Run1-DMSO	NM_000459	TEK tyrosine kinase, endothelial (venous malformations, multiple cutaneous and mucosal)	-0.172962	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000459	TEK tyrosine kinase, endothelial (venous malformations, multiple cutaneous and mucosal)	0.172962	Inlier
siRNA Disorazole DMSO Run1	NM_000459	TEK tyrosine kinase, endothelial (venous malformations, multiple cutaneous and mucosal)	0.417396	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000459	TEK tyrosine kinase, endothelial (venous malformations, multiple cutaneous and mucosal)	0.51973	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log Fold Change	Outlier Status
siRNA-Vinblastine Run2-DMSO	NM_000459	TEK	TEK tyrosine kinase, endothelial (venous malformations, multiple cutaneous and mucosal)	0.82927	Inlier
siRNA-Temozolomide Run2-DMSO	NM_198316	TENC1	tensin like C1 domain containing phosphatase	-1.837362	Inlier
siRNA-Temozolomide Run1-DMSO	NM_198316	TENC1	tensin like C1 domain containing phosphatase	-1.310584	Inlier
siRNA Disorazole DMSO Run1	NM_198316	TENC1	tensin like C1 domain containing phosphatase	-0.879983	Inlier
siRNA-Vinblastine Run2-DMSO	NM_198316	TENC1	tensin like C1 domain containing phosphatase	-0.016828	Inlier
siRNA-Vinblastine Run1-DMSO	NM_198316	TENC1	tensin like C1 domain containing phosphatase	0.016828	Inlier
siRNA-Temozolomide Run3-DMSO	NM_198316	TENC1	tensin like C1 domain containing phosphatase	0.380224	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_1983 16	TENC1	tensin like C1 domain containing phosphata se	0.469017	Inlier
siRNA Disorazole DMSO Run2	NM_1983 16	TENC1	tensin like C1 domain containing phosphata se	4.07978	Outlier
siRNA-Temozolomide Run3-DMSO	NM_1392 43	Tenr	Tenr	-0.840169	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1392 43	Tenr	Tenr	-0.675882	Inlier
siRNA Disorazole DMSO Run2	NM_1392 43	Tenr	Tenr	-0.673118	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1392 43	Tenr	Tenr	-0.051901	Inlier
siRNA Disorazole DMSO Run3	NM_1392 43	Tenr	Tenr	0.051901	Inlier
siRNA Disorazole DMSO Run1	NM_1392 43	Tenr	Tenr	0.553682	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1392 43	Tenr	Tenr	1.129976	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1392 43	Tenr	Tenr	1.161263	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1982 55	TERT	telomeras e reverse transcripta se	-2.016808	Inlier
siRNA Disorazole DMSO Run1	NM_1982 55	TERT	telomeras e reverse transcripta se	-0.566216	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1982 55	TERT	telomeras e reverse transcripta se	-0.162226	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1982 55	TERT	telomeras e reverse transcripta se	-0.098156	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1982 55	TERT	telomeras e reverse transcripta se	0.098156	Inlier
siRNA Disorazole DMSO Run3	NM_1982 55	TERT	telomeras e reverse transcripta se	0.782784	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_1982 55	TERT	telomerase reverse transcriptase	2.661583	Inlier
siRNA Disorazole DMSO Run2	NM_1982 55	TERT	telomerase reverse transcriptase	2.779232	Inlier
siRNA Disorazole DMSO Run2	NM_0062 85	TESK1	testis-specific kinase 1	-1.573292	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0062 85	TESK1	testis-specific kinase 1	-1.05196	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0062 85	TESK1	testis-specific kinase 1	-0.58178	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0062 85	TESK1	testis-specific kinase 1	-0.091576	Inlier
siRNA Disorazole DMSO Run1	NM_0062 85	TESK1	testis-specific kinase 1	0.091576	Inlier
siRNA Disorazole DMSO Run3	NM_0062 85	TESK1	testis-specific kinase 1	0.613007	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0062 85	TESK1	testis-specific kinase 1	0.735993	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0062 85	TESK1	testis-specific kinase 1	0.957968	Inlier
siRNA Disorazole DMSO Run2	NM_0071 70	TESK2	testis-specific kinase 2	-1.172847	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0071 70	TESK2	testis-specific kinase 2	-0.861411	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0071 70	TESK2	testis-specific kinase 2	-0.487589	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0071 70	TESK2	testis-specific kinase 2	-0.156963	Inlier
siRNA Disorazole DMSO Run3	NM_0071 70	TESK2	testis-specific kinase 2	0.156963	Inlier
siRNA Disorazole DMSO Run1	NM_0071 70	TESK2	testis-specific kinase 2	0.220425	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology				testis-specific	
siRNA-Vinblastine Run1-DMSO	NM_0071 70	TESK2	kinase 2	1.30091	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0071 70	TESK2	kinase 2	1.636305	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1833 79	TESSP1	TESSP1	-1.739892	Inlier
siRNA Disorazole DMSO Run1	NM_1833 79	TESSP1	TESSP1	-1.128069	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1833 79	TESSP1	TESSP1	-0.920258	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1833 79	TESSP1	TESSP1	-0.209778	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1833 79	TESSP1	TESSP1	0.209778	Inlier
siRNA Disorazole DMSO Run2	NM_1833 79	TESSP1	TESSP1	0.476251	Inlier
siRNA Disorazole DMSO Run3	NM_1833 79	TESSP1	TESSP1	0.540037	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1833 79	TESSP1	TESSP1	0.808963	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1827 02	TESSP2	TESSP2	-2.726986	Inlier
siRNA Disorazole DMSO Run3	NM_1827 02	TESSP2	TESSP2	-0.58409	Inlier
siRNA Disorazole DMSO Run1	NM_1827 02	TESSP2	TESSP2	-0.275832	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1827 02	TESSP2	TESSP2	-0.028223	Inlier
siRNA Disorazole DMSO Run2	NM_1827 02	TESSP2	TESSP2	0.028224	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1827 02	TESSP2	TESSP2	0.76491	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1827 02	TESSP2	TESSP2	2.480096	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1827 02	TESSP2	TESSP2	3.223058	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0312 74	TEX13A	testis expressed sequence 13A	-4.292866	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0312 74	TEX13A	testis expressed sequence 13A	-3.317612	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0312 74	TEX13A	testis expressed sequence 13A	-0.579355 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0312 74	TEX13A	testis expressed sequence 13A	-0.103348 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0312 74	TEX13A	testis expressed sequence 13A	0.103348 Inlier
siRNA Disorazole DMSO Run1	NM_0312 74	TEX13A	testis expressed sequence 13A	0.522982 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0312 74	TEX13A	testis expressed sequence 13A	0.769645 Inlier
siRNA Disorazole DMSO Run2	NM_0312 74	TEX13A	testis expressed sequence 13A	2.475327 Inlier
siRNA Disorazole DMSO Run2	NM_0312 72	TEX14	testis expressed sequence 14	-1.970795 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0312 72	TEX14	testis expressed sequence 14	-0.929036 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0312 72	TEX14	testis expressed sequence 14	-0.437624 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0312 72	TEX14	testis expressed sequence 14	-0.029052 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0312 72	TEX14	testis expressed sequence 14	0.029052	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0312 72	TEX14	testis expressed sequence 14	0.623196	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0312 72	TEX14	testis expressed sequence 14	0.725804	Inlier
siRNA Disorazole DMSO Run3	NM_0312 72	TEX14	testis expressed sequence 14	0.975139	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0062 87	TFPI	tissue factor pathway inhibitor (lipoprotei n- associated coagulatio n inhibitor)	-0.716201	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0062 87	TFPI	tissue factor pathway inhibitor (lipoprotei n- associated coagulatio n inhibitor)	-0.636491	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_006287	TFPI	tissue factor pathway inhibitor (lipoprotein-associated coagulation inhibitor)	-0.495977	Inlier
siRNA Disorazole DMSO Run1	NM_006287	TFPI	tissue factor pathway inhibitor (lipoprotein-associated coagulation inhibitor)	-0.311511	Inlier
siRNA Disorazole DMSO Run3	NM_006287	TFPI	tissue factor pathway inhibitor (lipoprotein-associated coagulation inhibitor)	0.311511	Inlier
siRNA Disorazole DMSO Run2	NM_006287	TFPI	tissue factor pathway inhibitor (lipoprotein-associated coagulation inhibitor)	0.712509	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_006287	TFPI	tissue factor pathway inhibitor (lipoprotein-associated coagulation inhibitor)	1.340449	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006287	TFPI	tissue factor pathway inhibitor (lipoprotein-associated coagulation inhibitor)	2.281523	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006528	TFPI2	tissue factor pathway inhibitor 2	-2.788916	Inlier
siRNA Disorazole DMSO Run1	NM_006528	TFPI2	tissue factor pathway inhibitor 2	-0.859798	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006528	TFPI2	tissue factor pathway inhibitor 2	-0.489202	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006528	TFPI2	tissue factor pathway inhibitor 2	-0.119804	Inlier
siRNA Disorazole DMSO Run2	NM_006528	TFPI2	tissue factor pathway inhibitor 2	0.119804	Inlier
siRNA Disorazole DMSO Run3	NM_006528	TFPI2	tissue factor pathway inhibitor 2	0.365696	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006528	TFPI2	tissue factor pathway inhibitor 2	2.317985	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			tissue factor pathway inhibitor 2	
siRNA-Vinblastine Run2-DMSO	NM_0065 28	TFPI2	inhibitor 2	3.002255 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0032 27	TFR2	transferrin receptor 2	-0.885872 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0032 27	TFR2	transferrin receptor 2	-0.799342 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0032 27	TFR2	transferrin receptor 2	-0.549658 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0032 27	TFR2	transferrin receptor 2	-0.170112 Inlier
siRNA Disorazole DMSO Run3	NM_0032 27	TFR2	transferrin receptor 2	0.170112 Inlier
siRNA Disorazole DMSO Run1	NM_0032 27	TFR2	transferrin receptor 2	0.285628 Inlier
siRNA Disorazole DMSO Run2	NM_0032 27	TFR2	transferrin receptor 2	2.150465 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0032 27	TFR2	transferrin receptor 2	2.757975 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0032 34	TFRC	transferrin receptor (p90, CD71)	-0.688858 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0032 34	TFRC	transferrin receptor (p90, CD71)	-0.668446 Inlier
siRNA Disorazole DMSO Run3	NM_0032 34	TFRC	transferrin receptor (p90, CD71)	-0.20872 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0032 34	TFRC	transferrin receptor (p90, CD71)	-0.120182 Inlier
siRNA Disorazole DMSO Run1	NM_0032 34	TFRC	transferrin receptor (p90, CD71)	0.120182 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0032 34	TFRC	transferrin receptor (p90, CD71)	0.680554 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0032 34	TFRC	transferrin receptor (p90, CD71)	0.844524 Inlier
siRNA Disorazole DMSO Run2	NM_0032 34	TFRC	transferrin receptor (p90, CD71)	0.888847 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Temozolomide Run3- DMSO	NM_0032 35	TG	thyroglobul in	-3.140067	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0032 35	TG	thyroglobul in	-2.808649	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0032 35	TG	thyroglobul in	-0.580572	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0032 35	TG	thyroglobul in	-0.473021	Inlier
siRNA Disorazole DMSO Run2	NM_0032 35	TG	thyroglobul in	0.473021	Inlier
siRNA Disorazole DMSO Run3	NM_0032 35	TG	thyroglobul in	0.598346	Inlier
siRNA Disorazole DMSO Run1	NM_0032 35	TG	thyroglobul in	0.750654	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0032 35	TG	thyroglobul in	1.368822	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0143 05	TGDS	TDP- glucose 4,6- dehydrata se	-1.508489	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0143 05	TGDS	TDP- glucose 4,6- dehydrata se	-0.89013	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0143 05	TGDS	TDP- glucose 4,6- dehydrata se	-0.45887	Inlier
siRNA Disorazole DMSO Run3	NM_0143 05	TGDS	TDP- glucose 4,6- dehydrata se	-0.420315	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0143 05	TGDS	TDP- glucose 4,6- dehydrata se	0.420315	Inlier
siRNA Disorazole DMSO Run1	NM_0143 05	TGDS	TDP- glucose 4,6- dehydrata se	0.446628	Inlier
siRNA Disorazole DMSO Run2	NM_0143 05	TGDS	TDP- glucose 4,6- dehydrata se	0.928376	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Gene ID	Gene Name	Log2 Fold Change	Category
siRNA-Vinblastine Run1-DMSO	NM_014305	TGDS	TDP-glucose 4,6-dehydratase	1.616978	Inlier
siRNA Disorazole DMSO Run2	NM_015927	TGFB111	transforming growth factor beta 1 induced transcript 1	-3.478111	Inlier
siRNA-Temozolomide Run3-DMSO	NM_015927	TGFB111	transforming growth factor beta 1 induced transcript 1	-0.831746	Inlier
siRNA-Temozolomide Run1-DMSO	NM_015927	TGFB111	transforming growth factor beta 1 induced transcript 1	-0.517254	Inlier
siRNA-Temozolomide Run2-DMSO	NM_015927	TGFB111	transforming growth factor beta 1 induced transcript 1	-0.066405	Inlier
siRNA Disorazole DMSO Run1	NM_015927	TGFB111	transforming growth factor beta 1 induced transcript 1	0.066404	Inlier
siRNA Disorazole DMSO Run3	NM_015927	TGFB111	transforming growth factor beta 1 induced transcript 1	0.170634	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0159 27	TGFB111	transforming growth factor beta 1 induced transcript 1	1.220748	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0159 27	TGFB111	transforming growth factor beta 1 induced transcript 1	2.96498	Inlier
siRNA Disorazole DMSO Run2	NM_0046 12	TGFBR1	transforming growth factor, beta receptor I (activin A receptor type II-like kinase, 53kDa)	-3.074316	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0046 12	TGFBR1	transforming growth factor, beta receptor I (activin A receptor type II-like kinase, 53kDa)	-1.039873	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0046 12	TGFBR1	transforming growth factor, beta receptor I (activin A receptor type II-like kinase, 53kDa)	-0.946382	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Value	Category
siRNA-Vinblastine Run1-DMSO	NM_004612	TGFBR1	transforming growth factor, beta receptor I (activin A receptor type II-like kinase, 53kDa)	-0.258992	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004612	TGFBR1	transforming growth factor, beta receptor I (activin A receptor type II-like kinase, 53kDa)	0.258992	Inlier
siRNA-Vinblastine Run2-DMSO	NM_004612	TGFBR1	transforming growth factor, beta receptor I (activin A receptor type II-like kinase, 53kDa)	0.598296	Inlier
siRNA Disorazole DMSO Run3	NM_004612	TGFBR1	transforming growth factor, beta receptor I (activin A receptor type II-like kinase, 53kDa)	0.647917	Inlier
siRNA Disorazole DMSO Run1	NM_004612	TGFBR1	transforming growth factor, beta receptor I (activin A receptor type II-like kinase, 53kDa)	0.701083	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0032 42	TGFBR2	transforming growth factor, beta receptor II (70/80kDa)	-2.31992	Inlier
siRNA Disorazole DMSO Run3	NM_0032 42	TGFBR2	transforming growth factor, beta receptor II (70/80kDa)	-1.050774	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0032 42	TGFBR2	transforming growth factor, beta receptor II (70/80kDa)	-0.649276	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0032 42	TGFBR2	transforming growth factor, beta receptor II (70/80kDa)	-0.270703	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0032 42	TGFBR2	transforming growth factor, beta receptor II (70/80kDa)	0.270703	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0032 42	TGFBR2	transforming growth factor, beta receptor II (70/80kDa)	0.357058	Inlier
siRNA Disorazole DMSO Run1	NM_0032 42	TGFBR2	transforming growth factor, beta receptor II (70/80kDa)	0.699724	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_003242	TGFBR2	transforming growth factor, beta receptor II (70/80kDa)	2.579828	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003243	TGFBR3	transforming growth factor, beta receptor III (betaglycan, 300kDa)	-0.74609	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003243	TGFBR3	transforming growth factor, beta receptor III (betaglycan, 300kDa)	-0.602909	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003243	TGFBR3	transforming growth factor, beta receptor III (betaglycan, 300kDa)	-0.3082	Inlier
siRNA Disorazole DMSO Run3	NM_003243	TGFBR3	transforming growth factor, beta receptor III (betaglycan, 300kDa)	-0.094344	Inlier
siRNA Disorazole DMSO Run1	NM_003243	TGFBR3	transforming growth factor, beta receptor III (betaglycan, 300kDa)	0.094344	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_003243	TGFBR3	transforming growth factor, beta receptor III (betaglycan, 300kDa)	1.043392	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003243	TGFBR3	transforming growth factor, beta receptor III (betaglycan, 300kDa)	1.44206	Inlier
siRNA Disorazole DMSO Run2	NM_003243	TGFBR3	transforming growth factor, beta receptor III (betaglycan, 300kDa)	2.062469	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000359	TGM1	transglutaminase 1 (K polypeptide epidermal type I, protein-glutamine-gamma-glutamyltransferase)	-1.212927	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0003 59	TGM1	transglutaminase 1 (K polypeptide epidermal type I, protein-glutamine-gamma-glutamyltransferase)	-0.726682	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0003 59	TGM1	transglutaminase 1 (K polypeptide epidermal type I, protein-glutamine-gamma-glutamyltransferase)	-0.622318	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0003 59	TGM1	transglutaminase 1 (K polypeptide epidermal type I, protein-glutamine-gamma-glutamyltransferase)	-0.183421	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0003 59	TGM1	transglutaminase 1 (K polypeptide epidermal type I, protein-glutamine-gamma-glutamyltransferase)	0.183421	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0003 59	TGM1	transglutaminase 1 (K polypeptide epidermal type I, protein-glutamine-gamma-glutamyltransferase)	0.580791	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0003 59	TGM1	transglutaminase 1 (K polypeptide epidermal type I, protein-glutamine-gamma-glutamyltransferase)	0.796682	Inlier
siRNA Disorazole DMSO Run2	NM_0003 59	TGM1	transglutaminase 1 (K polypeptide epidermal type I, protein-glutamine-gamma-glutamyltransferase)	1.1145	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1989 51	TGM2	transglutaminase 2 (C polypeptide, protein-glutamine-gamma-glutamyltransferase)	-0.930286	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_1989 51	TGM2	transglutaminase 2 (C polypeptide, protein-glutamine-gamma-glutamyltransferase)	-0.877309	Inlier
siRNA Disorazole DMSO Run1	NM_1989 51	TGM2	transglutaminase 2 (C polypeptide, protein-glutamine-gamma-glutamyltransferase)	-0.812472	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1989 51	TGM2	transglutaminase 2 (C polypeptide, protein-glutamine-gamma-glutamyltransferase)	-0.105266	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1989 51	TGM2	transglutaminase 2 (C polypeptide, protein-glutamine-gamma-glutamyltransferase)	0.105266	Inlier
siRNA Disorazole DMSO Run2	NM_1989 51	TGM2	transglutaminase 2 (C polypeptide, protein-glutamine-gamma-glutamyltransferase)	0.432828	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_1989 51	TGM2	transglutaminase 2 (C polypeptide, protein-glutamine-gamma-glutamyltransferase)	0.536528	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1989 51	TGM2	transglutaminase 2 (C polypeptide, protein-glutamine-gamma-glutamyltransferase)	2.239573	Inlier
siRNA Disorazole DMSO Run1	NM_0032 45	TGM3	transglutaminase 3 (E polypeptide, protein-glutamine-gamma-glutamyltransferase)	-2.781914	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0032 45	TGM3	transglutaminase 3 (E polypeptide, protein-glutamine-gamma-glutamyltransferase)	-1.485934	Inlier
siRNA Disorazole DMSO Run3	NM_0032 45	TGM3	transglutaminase 3 (E polypeptide, protein-glutamine-gamma-glutamyltransferase)	-0.709553	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_003245	TGM3	transglutaminase 3 (E polypeptide, protein-glutamine-gamma-glutamyltransferase)	-0.133229	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003245	TGM3	transglutaminase 3 (E polypeptide, protein-glutamine-gamma-glutamyltransferase)	0.133231	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003245	TGM3	transglutaminase 3 (E polypeptide, protein-glutamine-gamma-glutamyltransferase)	0.144542	Inlier
siRNA Disorazole DMSO Run2	NM_003245	TGM3	transglutaminase 3 (E polypeptide, protein-glutamine-gamma-glutamyltransferase)	0.639447	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003245	TGM3	transglutaminase 3 (E polypeptide, protein-glutamine-gamma-glutamyltransferase)	1.82419	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology				transgluta	
siRNA-Temozolomide Run3-DMSO	NM_0032 41	TGM4	minase 4 (prostate)	-0.981455	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0032 41	TGM4	minase 4 (prostate)	-0.916326	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0032 41	TGM4	minase 4 (prostate)	-0.385147	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0032 41	TGM4	minase 4 (prostate)	-0.061342	Inlier
siRNA Disorazole DMSO Run3	NM_0032 41	TGM4	minase 4 (prostate)	0.061342	Inlier
siRNA Disorazole DMSO Run1	NM_0032 41	TGM4	minase 4 (prostate)	0.492138	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0032 41	TGM4	minase 4 (prostate)	0.856862	Inlier
siRNA Disorazole DMSO Run2	NM_0032 41	TGM4	minase 4 (prostate)	1.136908	Inlier
siRNA Disorazole DMSO Run3	NM_2016 31	TGM5	minase 5	-0.960249	Inlier
siRNA Disorazole DMSO Run1	NM_2016 31	TGM5	minase 5	-0.695992	Inlier
siRNA-Vinblastine Run2-DMSO	NM_2016 31	TGM5	minase 5	-0.653008	Inlier
siRNA-Temozolomide Run2-DMSO	NM_2016 31	TGM5	minase 5	-0.046496	Inlier
siRNA-Temozolomide Run3-DMSO	NM_2016 31	TGM5	minase 5	0.046496	Inlier
siRNA-Temozolomide Run1-DMSO	NM_2016 31	TGM5	minase 5	0.200765	Inlier
siRNA Disorazole DMSO Run2	NM_2016 31	TGM5	minase 5	0.969566	Inlier
siRNA-Vinblastine Run1-DMSO	NM_2016 31	TGM5	minase 5	1.491678	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1989 94	TGM6	minase 6	-0.82284	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1989 94	TGM6	minase 6	-0.643742	Inlier
siRNA Disorazole DMSO Run1	NM_1989 94	TGM6	minase 6	-0.282453	Inlier
siRNA Disorazole DMSO Run3	NM_1989 94	TGM6	minase 6	-0.128221	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1989 94	TGM6	minase 6	0.128221	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1989 94	TGM6	minase 6	0.705258	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_1989		transgluta	
siRNA Disorazole DMSO Run2	94	TGM6	minase 6	0.715528 Inlier
siRNA-Vinblastine Run1-DMSO	NM_1989		transgluta	
	94	TGM6	minase 6	0.724779 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0529		transgluta	
	55	TGM7	minase 7	-0.82499 Inlier
	NM_0529		transgluta	
siRNA Disorazole DMSO Run1	55	TGM7	minase 7	-0.52401 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0529		transgluta	
	55	TGM7	minase 7	-0.292334 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0529		transgluta	
	55	TGM7	minase 7	-0.065621 Inlier
	NM_0529		transgluta	
siRNA Disorazole DMSO Run3	55	TGM7	minase 7	0.065621 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0529		transgluta	
	55	TGM7	minase 7	1.243771 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0529		transgluta	
	55	TGM7	minase 7	1.717797 Inlier
	NM_0529		transgluta	
siRNA Disorazole DMSO Run2	55	TGM7	minase 7	2.311254 Inlier
			tyrosine	
siRNA-Temozolomide Run3-DMSO	NM_1992		hydroxylas	
	92	TH	e	-0.960769 Inlier
			tyrosine	
siRNA-Temozolomide Run2-DMSO	NM_1992		hydroxylas	
	92	TH	e	-0.795803 Inlier
			tyrosine	
siRNA Disorazole DMSO Run3	NM_1992		hydroxylas	
	92	TH	e	-0.553197 Inlier
			tyrosine	
siRNA-Vinblastine Run2-DMSO	NM_1992		hydroxylas	
	92	TH	e	-0.133121 Inlier
			tyrosine	
siRNA-Temozolomide Run1-DMSO	NM_1992		hydroxylas	
	92	TH	e	0.133121 Inlier
			tyrosine	
siRNA Disorazole DMSO Run1	NM_1992		hydroxylas	
	92	TH	e	0.151536 Inlier
			tyrosine	
siRNA Disorazole DMSO Run2	NM_1992		hydroxylas	
	92	TH	e	2.870775 Inlier
			tyrosine	
siRNA-Vinblastine Run1-DMSO	NM_1992		hydroxylas	
	92	TH	e	3.419546 Inlier
			thioestera	
			se,	
siRNA-Temozolomide Run3-DMSO	NM_1471		adipose	
	61	THEA	associated	-1.074289 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_1471 61	THEA	thioesterase, adipose associated	-0.73654	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1471 61	THEA	thioesterase, adipose associated	-0.61246	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1471 61	THEA	thioesterase, adipose associated	-0.10206	Inlier
siRNA Disorazole DMSO Run3	NM_1471 61	THEA	thioesterase, adipose associated	0.102061	Inlier
siRNA Disorazole DMSO Run1	NM_1471 61	THEA	thioesterase, adipose associated	0.210417	Inlier
siRNA Disorazole DMSO Run2	NM_1471 61	THEA	thioesterase, adipose associated	0.811473	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1471 61	THEA	thioesterase, adipose associated	0.872772	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0183 24	THEDC1	thioesterase domain containing 1	-1.150287	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0183 24	THEDC1	thioesterase domain containing 1	-0.923836	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0183 24	THEDC1	thioesterase domain containing 1	-0.532796	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0183 24	THEDC1	thioesterase domain containing 1	-0.128627	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0183 24	THEDC1	thioesterase domain containing 1	0.128627	Inlier
siRNA Disorazole DMSO Run3	NM_0183 24	THEDC1	thioesterase domain containing 1	0.425801	Inlier
siRNA Disorazole DMSO Run1	NM_0183 24	THEDC1	thioesterase domain containing 1	0.816204	Inlier
siRNA Disorazole DMSO Run2	NM_0183 24	THEDC1	thioesterase domain containing 1	1.097216	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0184 73	THEM2	thioesterase superfamily member 2	-0.868439	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0184 73	THEM2	thioesterase superfamily member 2	-0.79286	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0184 73	THEM2	thioesterase superfamily member 2	-0.556139	Inlier
siRNA Disorazole DMSO Run3	NM_0184 73	THEM2	thioesterase superfamily member 2	-0.011106	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0184 73	THEM2	thioesterase superfamily member 2	0.011106	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0184 73	THEM2	thioesterase superfamily member 2	0.392245	Inlier
siRNA Disorazole DMSO Run2	NM_0184 73	THEM2	thioesterase superfamily member 2	2.719115	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0184 73	THEM2	thioesterase superfamily member 2	2.898965	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0032 49	THOP1	thimet oligopeptidase 1	-1.514381	Inlier
siRNA Disorazole DMSO Run2	NM_0032 49	THOP1	thimet oligopeptidase 1	-0.548753	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0032 49	THOP1	thimet oligopeptidase 1	-0.16556	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0032 49	THOP1	thimet oligopeptidase 1	-0.05957	Inlier
siRNA Disorazole DMSO Run1	NM_0032 49	THOP1	thimet oligopeptidase 1	0.05957	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0032 49	THOP1	thimet oligopeptidase 1	0.800247	Inlier
siRNA Disorazole DMSO Run3	NM_0032 49	THOP1	thimet oligopeptidase 1	1.125408	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0032 49	THOP1	thimet oligopeptidase 1	1.189539	Inlier
siRNA Disorazole DMSO Run3	NM_1993 34	THRA	thyroid hormone receptor, alpha (erythroblastic leukemia viral (v-erb-a) oncogene homolog, avian)	-2.283203	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Log Fold Change	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_199334	THRA	-1.533328	Inlier
siRNA Disorazole DMSO Run2	NM_199334	THRA	-1.179418	Inlier
siRNA-Temozolomide Run2-DMSO	NM_199334	THRA	-0.068502	Inlier
siRNA-Temozolomide Run1-DMSO	NM_199334	THRA	0.068502	Inlier

thyroid hormone receptor, alpha (erythroblastic leukemia viral (v-erb-a) oncogene homolog, avian)
 thyroid hormone receptor, alpha (erythroblastic leukemia viral (v-erb-a) oncogene homolog, avian)
 thyroid hormone receptor, alpha (erythroblastic leukemia viral (v-erb-a) oncogene homolog, avian)
 thyroid hormone receptor, alpha (erythroblastic leukemia viral (v-erb-a) oncogene homolog, avian)

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1993 34	THRA	thyroid hormone receptor, alpha (erythroblastic leukemia viral (v-erb-a) oncogene homolog, avian)	0.2289	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1993 34	THRA	thyroid hormone receptor, alpha (erythroblastic leukemia viral (v-erb-a) oncogene homolog, avian)	0.670705	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1993 34	THRA	thyroid hormone receptor, alpha (erythroblastic leukemia viral (v-erb-a) oncogene homolog, avian)	0.678295	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0051 21	THRAP1	thyroid hormone receptor associated protein 1	-0.970501	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0051 21	THRAP1	thyroid hormone receptor associated protein 1	-0.378499	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0051 21	THRAP1	thyroid hormone receptor associated protein 1	-0.347069	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0051 21	THRAP1	thyroid hormone receptor associated protein 1	-0.012554	Inlier
siRNA Disorazole DMSO Run1	NM_0051 21	THRAP1	thyroid hormone receptor associated protein 1	0.012554	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0051 21	THRAP1	thyroid hormone receptor associated protein 1	2.463004	Inlier
siRNA Disorazole DMSO Run2	NM_0051 21	THRAP1	thyroid hormone receptor associated protein 1	2.702627	Inlier
siRNA Disorazole DMSO Run3	NM_0051 21	THRAP1	thyroid hormone receptor associated protein 1	8.926672	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0051 19	THRAP3	thyroid hormone receptor associated protein 3	-2.613507	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0051 19	THRAP3	thyroid hormone receptor associated protein 3	-1.424904	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0051 19	THRAP3	thyroid hormone receptor associated protein 3	-0.75042	Inlier
siRNA Disorazole DMSO Run1	NM_0051 19	THRAP3	thyroid hormone receptor associated protein 3	-0.171827	Inlier
siRNA Disorazole DMSO Run2	NM_0051 19	THRAP3	thyroid hormone receptor associated protein 3	0.171828	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0051 19	THRAP3	thyroid hormone receptor associated protein 3	0.524654	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0051 19	THRAP3	thyroid hormone receptor associated protein 3	0.59858	Inlier
siRNA Disorazole DMSO Run3	NM_0051 19	THRAP3	thyroid hormone receptor associated protein 3	1.082918	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0148 15	THRAP4	thyroid hormone receptor associated protein 4	-1.459618	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0148 15	THRAP4	thyroid hormone receptor associated protein 4	-1.165182	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0148 15	THRAP4	thyroid hormone receptor associated protein 4	-0.921185	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0148 15	THRAP4	thyroid hormone receptor associated protein 4	-0.146489	Inlier
siRNA Disorazole DMSO Run3	NM_0148 15	THRAP4	thyroid hormone receptor associated protein 4	0.146489	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0148 15	THRAP4	thyroid hormone receptor associated protein 4	0.381381	Inlier
siRNA Disorazole DMSO Run1	NM_0148 15	THRAP4	thyroid hormone receptor associated protein 4	0.427815	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0148 15	THRAP4	thyroid hormone receptor associated protein 4	1.812373	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0054 81	THRAP5	thyroid hormone receptor associated protein 5	-3.343704	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0054 81	THRAP5	thyroid hormone receptor associated protein 5	-0.750363	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0054 81	THRAP5	thyroid hormone receptor associated protein 5	-0.598637	Inlier
siRNA Disorazole DMSO Run1	NM_0054 81	THRAP5	thyroid hormone receptor associated protein 5	-0.074703	Inlier
siRNA Disorazole DMSO Run2	NM_0054 81	THRAP5	thyroid hormone receptor associated protein 5	0.074704	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0054 81	THRAP5	thyroid hormone receptor associated protein 5	0.153963	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0054 81	THRAP5	thyroid hormone receptor associated protein 5	1.107807	Inlier
siRNA Disorazole DMSO Run3	NM_0054 81	THRAP5	thyroid hormone receptor associated protein 5	1.381682	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0806 51	THRAP6	thyroid hormone receptor associated protein 6	-1.967093	Inlier
siRNA Disorazole DMSO Run1	NM_0806 51	THRAP6	thyroid hormone receptor associated protein 6	-0.787086	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0806 51	THRAP6	thyroid hormone receptor associated protein 6	-0.561914	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0806 51	THRAP6	thyroid hormone receptor associated protein 6	-0.167989	Inlier
siRNA Disorazole DMSO Run2	NM_0806 51	THRAP6	thyroid hormone receptor associated protein 6	0.167989	Inlier
siRNA Disorazole DMSO Run3	NM_0806 51	THRAP6	thyroid hormone receptor associated protein 6	0.433216	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0806 51	THRAP6	thyroid hormone receptor associated protein 6	1.014865	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0806 51	THRAP6	thyroid hormone receptor associated protein 6	1.41958	Inlier
siRNA Disorazole DMSO Run2	NM_0004 61	THRAB	thyroid hormone receptor, beta (erythroblastic leukemia viral (v-erb-a) oncogene homolog 2, avian)	-3.958238	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Log Fold Change	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_000461	THRB	-1.437697	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000461	THRB	-0.646369	Inlier
siRNA Disorazole DMSO Run1	NM_000461	THRB	-0.149387	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000461	THRB	0.149387	Inlier

thyroid hormone receptor, beta (erythroblastic leukemia viral (v-erb-a) oncogene homolog 2, avian)

thyroid hormone receptor, beta (erythroblastic leukemia viral (v-erb-a) oncogene homolog 2, avian)

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Value	Category
siRNA-Temozolomide Run1-DMSO	NM_000461	THRB	thyroid hormone receptor, beta (erythroblastic leukemia viral (v-erb-a) oncogene homolog 2, avian)	0.176586	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000461	THRB	thyroid hormone receptor, beta (erythroblastic leukemia viral (v-erb-a) oncogene homolog 2, avian)	0.702631	Inlier
siRNA Disorazole DMSO Run3	NM_000461	THRB	thyroid hormone receptor, beta (erythroblastic leukemia viral (v-erb-a) oncogene homolog 2, avian)	3.542902	Outlier
siRNA-Vinblastine Run2-DMSO	NM_025264	THUMPD2	THUMP domain containing 2	-1.094836	Inlier
siRNA-Temozolomide Run3-DMSO	NM_025264	THUMPD2	THUMP domain containing 2	-0.979963	Inlier
siRNA Disorazole DMSO Run3	NM_025264	THUMPD2	THUMP domain containing 2	-0.521762	Inlier
siRNA-Temozolomide Run2-DMSO	NM_025264	THUMPD2	THUMP domain containing 2	-0.201699	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Description	Score	Category
siRNA Disorazole DMSO Run1	THUMPD2	NM_0252 64	THUMP domain containing 2	0.201699	Inlier
siRNA Disorazole DMSO Run2	THUMPD2	NM_0252 64	THUMP domain containing 2	0.301448	Inlier
siRNA-Temozolomide Run1-DMSO	THUMPD2	NM_0252 64	THUMP domain containing 2	0.827238	Inlier
siRNA-Vinblastine Run1-DMSO	THUMPD2	NM_0252 64	THUMP domain containing 2	0.909372	Inlier
siRNA Disorazole DMSO Run3	TIAM1	NM_0032 53	T-cell lymphoma invasion and metastasis 1	-1.303339	Inlier
siRNA-Temozolomide Run2-DMSO	TIAM1	NM_0032 53	T-cell lymphoma invasion and metastasis 1	-1.056096	Inlier
siRNA-Temozolomide Run1-DMSO	TIAM1	NM_0032 53	T-cell lymphoma invasion and metastasis 1	-0.292904	Inlier
siRNA-Temozolomide Run3-DMSO	TIAM1	NM_0032 53	T-cell lymphoma invasion and metastasis 1	-0.041105	Inlier
siRNA-Vinblastine Run2-DMSO	TIAM1	NM_0032 53	T-cell lymphoma invasion and metastasis 1	0.041101	Inlier
siRNA Disorazole DMSO Run1	TIAM1	NM_0032 53	T-cell lymphoma invasion and metastasis 1	0.127184	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0032 53	TIAM1	T-cell lymphoma invasion and metastasis 1	5.161466	Outlier
siRNA Disorazole DMSO Run2	NM_0032 53	TIAM1	T-cell lymphoma invasion and metastasis 1	7.857607	Outlier
siRNA Disorazole DMSO Run2	NM_0054 24	TIE	tyrosine kinase with immunoglobulin-like and EGF-like domains 1	-2.904732	Inlier
siRNA Disorazole DMSO Run3	NM_0054 24	TIE	tyrosine kinase with immunoglobulin-like and EGF-like domains 1	-1.054168	Inlier
siRNA Disorazole DMSO Run1	NM_0054 24	TIE	tyrosine kinase with immunoglobulin-like and EGF-like domains 1	-0.44472	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0054 24	TIE	tyrosine kinase with immunoglobulin-like and EGF-like domains 1	-0.101934	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_005424	TIE	tyrosine kinase with immunoglobulin-like and EGF-like domains 1	0.101935	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005424	TIE	tyrosine kinase with immunoglobulin-like and EGF-like domains 1	0.667759	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005424	TIE	tyrosine kinase with immunoglobulin-like and EGF-like domains 1	0.681241	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005424	TIE	tyrosine kinase with immunoglobulin-like and EGF-like domains 1	0.987267	Inlier
siRNA-Temozolomide Run3-DMSO	NM_015905	TIF1	transcriptional intermediary factor 1	-1.211624	Inlier
siRNA Disorazole DMSO Run2	NM_015905	TIF1	transcriptional intermediary factor 1	-0.810421	Inlier
siRNA-Temozolomide Run1-DMSO	NM_015905	TIF1	transcriptional intermediary factor 1	-0.453192	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_015905	TIF1	transcriptional intermediary factor 1	-0.132658	Inlier
siRNA Disorazole DMSO Run3	NM_015905	TIF1	transcriptional intermediary factor 1	0.132658	Inlier
siRNA Disorazole DMSO Run1	NM_015905	TIF1	transcriptional intermediary factor 1	0.538579	Inlier
siRNA-Vinblastine Run2-DMSO	NM_015905	TIF1	transcriptional intermediary factor 1	1.266855	Inlier
siRNA-Vinblastine Run1-DMSO	NM_015905	TIF1	transcriptional intermediary factor 1	1.378453	Inlier
siRNA-Temozolomide Run3-DMSO	NM_012456	TIMM10	translocase of inner mitochondrial membrane 10 homolog (yeast)	-2.059689	Inlier
siRNA-Temozolomide Run2-DMSO	NM_012456	TIMM10	translocase of inner mitochondrial membrane 10 homolog (yeast)	-0.721868	Inlier
siRNA-Temozolomide Run1-DMSO	NM_012456	TIMM10	translocase of inner mitochondrial membrane 10 homolog (yeast)	-0.627132	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0124 56	TIMM10	translocase of inner mitochondrial membrane 10 homolog (yeast)	-0.150907	Inlier
siRNA Disorazole DMSO Run3	NM_0124 56	TIMM10	translocase of inner mitochondrial membrane 10 homolog (yeast)	0.150906	Inlier
siRNA Disorazole DMSO Run1	NM_0124 56	TIMM10	translocase of inner mitochondrial membrane 10 homolog (yeast)	0.578692	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0124 56	TIMM10	translocase of inner mitochondrial membrane 10 homolog (yeast)	2.709084	Inlier
siRNA Disorazole DMSO Run2	NM_0124 56	TIMM10	translocase of inner mitochondrial membrane 10 homolog (yeast)	3.43017	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_012458	TIMM13	translocase of inner mitochondrial membrane 13 homolog (yeast)	-1.431793	Inlier
siRNA Disorazole DMSO Run2	NM_012458	TIMM13	translocase of inner mitochondrial membrane 13 homolog (yeast)	-1.283433	Inlier
siRNA-Temozolomide Run2-DMSO	NM_012458	TIMM13	translocase of inner mitochondrial membrane 13 homolog (yeast)	-0.591093	Inlier
siRNA Disorazole DMSO Run3	NM_012458	TIMM13	translocase of inner mitochondrial membrane 13 homolog (yeast)	-0.214602	Inlier
siRNA-Temozolomide Run1-DMSO	NM_012458	TIMM13	translocase of inner mitochondrial membrane 13 homolog (yeast)	0.214602	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0124 58	TIMM13	translocas e of inner mitochond rial membrane 13 homolog (yeast)	0.250009	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0124 58	TIMM13	translocas e of inner mitochond rial membrane 13 homolog (yeast)	0.757907	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0124 58	TIMM13	translocas e of inner mitochond rial membrane 13 homolog (yeast)	0.827478	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0063 27	TIMM23	translocas e of inner mitochond rial membrane 23 homolog (yeast)	-1.313134	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0063 27	TIMM23	translocas e of inner mitochond rial membrane 23 homolog (yeast)	-0.730498	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0063 27	TIMM23	translocase of inner mitochondrial membrane 23 homolog (yeast)	-0.350751	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0063 27	TIMM23	translocase of inner mitochondrial membrane 23 homolog (yeast)	-0.260962	Inlier
siRNA Disorazole DMSO Run3	NM_0063 27	TIMM23	translocase of inner mitochondrial membrane 23 homolog (yeast)	0.260963	Inlier
siRNA Disorazole DMSO Run1	NM_0063 27	TIMM23	translocase of inner mitochondrial membrane 23 homolog (yeast)	0.618502	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0063 27	TIMM23	translocase of inner mitochondrial membrane 23 homolog (yeast)	1.646217	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0063 27	TIMM23	translocas e of inner mitochond rial membrane 23 homolog (yeast)	2.873011	Inlier
siRNA Disorazole DMSO Run2	NM_0040 85	TIMM8A	translocas e of inner mitochond rial membrane 8 homolog A (yeast)	-1.817454	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0040 85	TIMM8A	translocas e of inner mitochond rial membrane 8 homolog A (yeast)	-1.703096	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0040 85	TIMM8A	translocas e of inner mitochond rial membrane 8 homolog A (yeast)	-0.334403	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0040 85	TIMM8A	translocas e of inner mitochond rial membrane 8 homolog A (yeast)	-0.188514	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0040 85	TIMM8A	translocas e of inner mitochond rial membrane 8 homolog A (yeast)	0.188515 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0040 85	TIMM8A	translocas e of inner mitochond rial membrane 8 homolog A (yeast)	0.614105 Inlier
siRNA Disorazole DMSO Run3	NM_0040 85	TIMM8A	translocas e of inner mitochond rial membrane 8 homolog A (yeast)	0.734895 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0040 85	TIMM8A	translocas e of inner mitochond rial membrane 8 homolog A (yeast)	1.332673 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0124 59	TIMM8B	translocas e of inner mitochond rial membrane 8 homolog B (yeast)	-1.678228 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0124 59	TIMM8B	translocas e of inner mitochond rial membrane 8 homolog B (yeast)	-1.301907	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0124 59	TIMM8B	translocas e of inner mitochond rial membrane 8 homolog B (yeast)	-0.801737	Inlier
siRNA Disorazole DMSO Run1	NM_0124 59	TIMM8B	translocas e of inner mitochond rial membrane 8 homolog B (yeast)	-0.06139	Inlier
siRNA Disorazole DMSO Run2	NM_0124 59	TIMM8B	translocas e of inner mitochond rial membrane 8 homolog B (yeast)	0.061389	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0124 59	TIMM8B	translocas e of inner mitochond rial membrane 8 homolog B (yeast)	0.111569	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_012459	TIMM8B	translocase of inner mitochondrial membrane 8 homolog B (yeast)	0.547263	Inlier
siRNA-Vinblastine Run2-DMSO	NM_012459	TIMM8B	translocase of inner mitochondrial membrane 8 homolog B (yeast)	1.071597	Inlier
siRNA-Temozolomide Run2-DMSO	NM_012460	TIMM9	translocase of inner mitochondrial membrane 9 homolog (yeast)	-1.492182	Inlier
siRNA-Vinblastine Run2-DMSO	NM_012460	TIMM9	translocase of inner mitochondrial membrane 9 homolog (yeast)	-0.686706	Inlier
siRNA-Temozolomide Run1-DMSO	NM_012460	TIMM9	translocase of inner mitochondrial membrane 9 homolog (yeast)	-0.662294	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0124 60	TIMM9	translocas e of inner mitochond rial membrane 9 homolog (yeast)	-0.318086	Inlier
siRNA Disorazole DMSO Run1	NM_0124 60	TIMM9	translocas e of inner mitochond rial membrane 9 homolog (yeast)	0.318087	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0124 60	TIMM9	translocas e of inner mitochond rial membrane 9 homolog (yeast)	0.548353	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0124 60	TIMM9	translocas e of inner mitochond rial membrane 9 homolog (yeast)	1.317461	Inlier
siRNA Disorazole DMSO Run2	NM_0124 60	TIMM9	translocas e of inner mitochond rial membrane 9 homolog (yeast)	1.74342	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0032 54	TIMP1	tissue inhibitor of metalloproteinase 1 (erythroid potentiating activity, collagenase inhibitor)	-1.917361	Inlier
------------------------------	---------------	-------	--	-----------	--------

siRNA-Temozolomide Run1-DMSO	NM_0032 54	TIMP1	tissue inhibitor of metalloproteinase 1 (erythroid potentiating activity, collagenase inhibitor)	-0.591261	Inlier
------------------------------	---------------	-------	--	-----------	--------

siRNA-Temozolomide Run2-DMSO	NM_0032 54	TIMP1	tissue inhibitor of metalloproteinase 1 (erythroid potentiating activity, collagenase inhibitor)	-0.435819	Inlier
------------------------------	---------------	-------	--	-----------	--------

siRNA Disorazole DMSO Run3	NM_0032 54	TIMP1	tissue inhibitor of metalloproteinase 1 (erythroid potentiating activity, collagenase inhibitor)	-0.411625	Inlier
----------------------------	---------------	-------	--	-----------	--------

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0032 54	TIMP1	tissue inhibitor of metalloproteinase 1 (erythroid potentiating activity, collagenase inhibitor)	0.411625	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0032 54	TIMP1	tissue inhibitor of metalloproteinase 1 (erythroid potentiating activity, collagenase inhibitor)	0.757739	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0032 54	TIMP1	tissue inhibitor of metalloproteinase 1 (erythroid potentiating activity, collagenase inhibitor)	0.846433	Inlier
siRNA Disorazole DMSO Run2	NM_0032 54	TIMP1	tissue inhibitor of metalloproteinase 1 (erythroid potentiating activity, collagenase inhibitor)	1.466429	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0032 55	TIMP2	tissue inhibitor of metalloproteinase 2	-1.639654	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0032 55	TIMP2	tissue inhibitor of metalloproteinase 2	-0.863376	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0032 55	TIMP2	tissue inhibitor of metalloproteinase 2	-0.632378	Inlier
siRNA Disorazole DMSO Run2	NM_0032 55	TIMP2	tissue inhibitor of metalloproteinase 2	-0.02744	Inlier
siRNA Disorazole DMSO Run1	NM_0032 55	TIMP2	tissue inhibitor of metalloproteinase 2	0.027439	Inlier
siRNA Disorazole DMSO Run3	NM_0032 55	TIMP2	tissue inhibitor of metalloproteinase 2	0.449306	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0032 55	TIMP2	tissue inhibitor of metalloproteinase 2	0.716622	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0032 55	TIMP2	tissue inhibitor of metalloproteinase 2	1.106729	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0003 62	TIMP3	tissue inhibitor of metalloproteinase 3 (Sorsby fundus dystrophy, pseudoinflammatory)	-1.842115	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_000362	TIMP3	tissue inhibitor of metalloproteinase 3 (Sorsby fundus dystrophy, pseudo-inflammatory)	-0.97758	Inlier
siRNA Disorazole DMSO Run3	NM_000362	TIMP3	tissue inhibitor of metalloproteinase 3 (Sorsby fundus dystrophy, pseudo-inflammatory)	-0.753242	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000362	TIMP3	tissue inhibitor of metalloproteinase 3 (Sorsby fundus dystrophy, pseudo-inflammatory)	-0.320301	Inlier
siRNA Disorazole DMSO Run1	NM_000362	TIMP3	tissue inhibitor of metalloproteinase 3 (Sorsby fundus dystrophy, pseudo-inflammatory)	0.320301	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_000362	TIMP3	tissue inhibitor of metalloproteinase 3 (Sorsby fundus dystrophy, pseudoinflammatory)	0.400158	Inlier
siRNA Disorazole DMSO Run2	NM_000362	TIMP3	tissue inhibitor of metalloproteinase 3 (Sorsby fundus dystrophy, pseudoinflammatory)	0.595758	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000362	TIMP3	tissue inhibitor of metalloproteinase 3 (Sorsby fundus dystrophy, pseudoinflammatory)	1.152777	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000356	TIMP4	tissue inhibitor of metalloproteinase 4	-2.15195	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000356	TIMP4	tissue inhibitor of metalloproteinase 4	-1.943682	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000356	TIMP4	tissue inhibitor of metalloproteinase 4	-0.726505	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0032 56	TIMP4	tissue inhibitor of metalloproteinase 4	-0.201468	Inlier
siRNA Disorazole DMSO Run2	NM_0032 56	TIMP4	tissue inhibitor of metalloproteinase 4	0.201467	Inlier
siRNA Disorazole DMSO Run1	NM_0032 56	TIMP4	tissue inhibitor of metalloproteinase 4	0.241399	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0032 56	TIMP4	tissue inhibitor of metalloproteinase 4	0.639743	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0032 56	TIMP4	tissue inhibitor of metalloproteinase 4	0.709257	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0144 64	TINAG	tubulointerstitial nephritis antigen	-2.281285	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0144 64	TINAG	tubulointerstitial nephritis antigen	-0.690289	Inlier
siRNA Disorazole DMSO Run1	NM_0144 64	TINAG	tubulointerstitial nephritis antigen	-0.658711	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0144 64	TINAG	tubulointerstitial nephritis antigen	-0.529623	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0144 64	TINAG	tubulointerstitial nephritis antigen	0.529624	Inlier
siRNA Disorazole DMSO Run2	NM_0144 64	TINAG	tubulointerstitial nephritis antigen	0.561598	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0144 64	TINAG	tubulointerstitial nephritis antigen	1.334431	Inlier
siRNA Disorazole DMSO Run3	NM_0144 64	TINAG	tubulointerstitial nephritis antigen	5.259692	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0032 58	TK1	thymidine kinase 1, soluble	-0.875741	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0032 58	TK1	thymidine kinase 1, soluble	-0.473259	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0032 58	TK1	thymidine kinase 1, soluble	-0.32824	Inlier
siRNA Disorazole DMSO Run1	NM_0032 58	TK1	thymidine kinase 1, soluble	-0.116161	Inlier
siRNA Disorazole DMSO Run3	NM_0032 58	TK1	thymidine kinase 1, soluble	0.116161	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0032 58	TK1	thymidine kinase 1, soluble	0.961549	Inlier
siRNA Disorazole DMSO Run2	NM_0032 58	TK1	thymidine kinase 1, soluble	1.308253	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0032 58	TK1	thymidine kinase 1, soluble	1.364197	Inlier
siRNA Disorazole DMSO Run2	NM_0046 14	TK2	thymidine kinase 2, mitochondrial	-1.649757	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0046 14	TK2	thymidine kinase 2, mitochondrial	-1.164647	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0046 14	TK2	thymidine kinase 2, mitochondrial	-0.160553	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0046 14	TK2	thymidine kinase 2, mitochondrial	-0.028982	Inlier
siRNA Disorazole DMSO Run1	NM_0046 14	TK2	thymidine kinase 2, mitochondrial	0.028982	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0046 14	TK2	thymidine kinase 2, mitochondrial	0.184353	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0046 14	TK2	thymidine kinase 2, mitochondrial	1.248337	Inlier
siRNA Disorazole DMSO Run3	NM_0046 14	TK2	thymidine kinase 2, mitochondrial	1.467398	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 64	TKT	transketolase (Wernicke-Korsakoff syndrome)	-1.791075	Inlier
siRNA Disorazole DMSO Run1	NM_0010 64	TKT	transketolase (Wernicke-Korsakoff syndrome)	-0.813029	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 64	TKT	transketolase (Wernicke-Korsakoff syndrome)	-0.535971	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 64	TKT	transketolase (Wernicke-Korsakoff syndrome)	-0.113277	Inlier
siRNA Disorazole DMSO Run3	NM_0010 64	TKT	transketolase (Wernicke-Korsakoff syndrome)	0.113276	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 64	TKT	transketolase (Wernicke-Korsakoff syndrome)	0.389257	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0010 64	TKT	transketolase (Wernicke-Korsakoff syndrome)	1.749194	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 64	TKT	transketolase (Wernicke-Korsakoff syndrome)	2.192265	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0122 53	TKTL1	transketolase-like 1	-0.831439	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0122 53	TKTL1	transketolase-like 1	-0.661558	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0122 53	TKTL1	transketolase-like 1	-0.439269	Inlier
siRNA Disorazole DMSO Run1	NM_0122 53	TKTL1	transketolase-like 1	-0.218966	Inlier
siRNA Disorazole DMSO Run3	NM_0122 53	TKTL1	transketolase-like 1	0.218966	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0122 53	TKTL1	transketolase-like 1	0.687442	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0122 53	TKTL1	transketolase-like 1	1.353429	Inlier
siRNA Disorazole DMSO Run2	NM_0122 53	TKTL1	transketolase-like 1	2.589977	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0122 90	TLK1	tousled-like kinase 1	-1.488164	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0122 90	TLK1	tousled-like kinase 1	-0.711812	Inlier
siRNA Disorazole DMSO Run2	NM_0122 90	TLK1	tousled-like kinase 1	-0.496668	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0122 90	TLK1	tousled-like kinase 1	-0.219535	Inlier
siRNA Disorazole DMSO Run1	NM_0122 90	TLK1	tousled-like kinase 1	0.219535	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0122 90	TLK1	tousled-like kinase 1	0.637188	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0122 90	TLK1	tousled-like kinase 1	1.012629	Inlier
siRNA Disorazole DMSO Run3	NM_0122 90	TLK1	tousled-like kinase 1	1.561913	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

	NM_0068		tousled-like kinase		
siRNA Disorazole DMSO Run2	52	TLK2	2	-1.917215	Inlier
	NM_0068		tousled-like kinase		
siRNA-Temozolomide Run3-DMSO	52	TLK2	2	-1.717672	Inlier
	NM_0068		tousled-like kinase		
siRNA Disorazole DMSO Run3	52	TLK2	2	-0.35274	Inlier
	NM_0068		tousled-like kinase		
siRNA Disorazole DMSO Run1	52	TLK2	2	-0.008139	Inlier
	NM_0068		tousled-like kinase		
siRNA-Temozolomide Run2-DMSO	52	TLK2	2	0.00814	Inlier
	NM_0068		tousled-like kinase		
siRNA-Temozolomide Run1-DMSO	52	TLK2	2	0.283668	Inlier
	NM_0068		tousled-like kinase		
siRNA-Vinblastine Run1-DMSO	52	TLK2	2	0.99626	Inlier
	NM_0068		tousled-like kinase		
siRNA-Vinblastine Run2-DMSO	52	TLK2	2	1.371823	Inlier
	NM_0124		tolloid-like		
siRNA-Temozolomide Run3-DMSO	64	TLL1	1	-1.683888	Inlier
	NM_0124		tolloid-like		
siRNA Disorazole DMSO Run2	64	TLL1	1	-0.637392	Inlier
	NM_0124		tolloid-like		
siRNA-Temozolomide Run1-DMSO	64	TLL1	1	-0.32749	Inlier
	NM_0124		tolloid-like		
siRNA-Temozolomide Run2-DMSO	64	TLL1	1	-0.230307	Inlier
	NM_0124		tolloid-like		
siRNA Disorazole DMSO Run3	64	TLL1	1	0.230307	Inlier
	NM_0124		tolloid-like		
siRNA Disorazole DMSO Run1	64	TLL1	1	0.711608	Inlier
	NM_0124		tolloid-like		
siRNA-Vinblastine Run2-DMSO	64	TLL1	1	0.816728	Inlier
	NM_0124		tolloid-like		
siRNA-Vinblastine Run1-DMSO	64	TLL1	1	1.085735	Inlier
	NM_0124		tolloid-like		
siRNA-Temozolomide Run3-DMSO	65	TLL2	2	-2.886652	Inlier
	NM_0124		tolloid-like		
siRNA-Temozolomide Run2-DMSO	65	TLL2	2	-1.502281	Inlier
	NM_0124		tolloid-like		
siRNA Disorazole DMSO Run2	65	TLL2	2	-0.399377	Inlier
	NM_0124		tolloid-like		
siRNA Disorazole DMSO Run1	65	TLL2	2	-0.05518	Inlier
	NM_0124		tolloid-like		
siRNA Disorazole DMSO Run3	65	TLL2	2	0.05518	Inlier
	NM_0124		tolloid-like		
siRNA-Temozolomide Run1-DMSO	65	TLL2	2	0.241828	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA-Vinblastine Run2-DMSO	NM_0124 65	TLL2	tolloid-like 2	0.949623	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0124 65	TLL2	tolloid-like 2	1.163689	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0159 13	TLP19	thioredoxin domain containing 12 (endoplasmic reticulum)	-0.938728	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0159 13	TLP19	thioredoxin domain containing 12 (endoplasmic reticulum)	-0.616651	Inlier
siRNA Disorazole DMSO Run1	NM_0159 13	TLP19	thioredoxin domain containing 12 (endoplasmic reticulum)	-0.56568	Inlier
siRNA Disorazole DMSO Run3	NM_0159 13	TLP19	thioredoxin domain containing 12 (endoplasmic reticulum)	-0.333058	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0159 13	TLP19	thioredoxin domain containing 12 (endoplasmic reticulum)	0.333058	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0159 13	TLP19	thioredoxin domain containing 12 (endoplasmic reticulum)	0.732349	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0159 13	TLP19	thioredoxin domain containing 12 (endoplasmic reticulum)	1.616338	Inlier
siRNA Disorazole DMSO Run2	NM_0159 13	TLP19	thioredoxin domain containing 12 (endoplasmic reticulum)	2.035999	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0032 63	TLR1	toll-like receptor 1	-0.772649	Inlier
siRNA Disorazole DMSO Run1	NM_0032 63	TLR1	toll-like receptor 1	-0.576351	Inlier
siRNA Disorazole DMSO Run3	NM_0032 63	TLR1	toll-like receptor 1	-0.475019	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0032 63	TLR1	toll-like receptor 1	-0.233489	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0032 63	TLR1	toll-like receptor 1	0.233489	Inlier
siRNA Disorazole DMSO Run2	NM_0032 63	TLR1	toll-like receptor 1	1.313933	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0032 63	TLR1	toll-like receptor 1	1.583823	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0032 63	TLR1	toll-like receptor 1	1.828368	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0309 56	TLR10	toll-like receptor 10	-1.102233	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0309 56	TLR10	toll-like receptor 10	-0.391709	Inlier
siRNA Disorazole DMSO Run3	NM_0309 56	TLR10	toll-like receptor 10	-0.256013	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0309 56	TLR10	toll-like receptor 10	-0.165658	Inlier
siRNA Disorazole DMSO Run1	NM_0309 56	TLR10	toll-like receptor 10	0.165658	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0309 56	TLR10	toll-like receptor 10	0.957291	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0309 56	TLR10	toll-like receptor 10	1.147813	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

	NM_0309		toll-like receptor	
siRNA Disorazole DMSO Run2	56	TLR10	10	1.933628 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0032 64	TLR2	toll-like receptor 2	-0.704926 Inlier
siRNA Disorazole DMSO Run1	NM_0032 64	TLR2	toll-like receptor 2	-0.644074 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0032 64	TLR2	toll-like receptor 2	-0.205251 Inlier
siRNA Disorazole DMSO Run3	NM_0032 64	TLR2	toll-like receptor 2	-0.188839 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0032 64	TLR2	toll-like receptor 2	0.188838 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0032 64	TLR2	toll-like receptor 2	2.137319 Inlier
siRNA Disorazole DMSO Run2	NM_0032 64	TLR2	toll-like receptor 2	5.642161 Outlier
siRNA-Vinblastine Run1-DMSO	NM_0032 64	TLR2	toll-like receptor 2	8.37928 Outlier
siRNA-Vinblastine Run2-DMSO	NM_0032 65	TLR3	toll-like receptor 3	-0.825453 Inlier
siRNA Disorazole DMSO Run3	NM_0032 65	TLR3	toll-like receptor 3	-0.80502 Inlier
siRNA Disorazole DMSO Run1	NM_0032 65	TLR3	toll-like receptor 3	-0.230199 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0032 65	TLR3	toll-like receptor 3	-0.072551 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0032 65	TLR3	toll-like receptor 3	0.072551 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0032 65	TLR3	toll-like receptor 3	0.54398 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0032 65	TLR3	toll-like receptor 3	2.991558 Inlier
siRNA Disorazole DMSO Run2	NM_0032 65	TLR3	toll-like receptor 3	4.047384 Outlier
siRNA-Temozolomide Run2-DMSO	NM_1385 57	TLR4	toll-like receptor 4	-0.865652 Inlier
siRNA-Vinblastine Run2-DMSO	NM_1385 57	TLR4	toll-like receptor 4	-0.483348 Inlier
siRNA Disorazole DMSO Run1	NM_1385 57	TLR4	toll-like receptor 4	-0.310788 Inlier
siRNA Disorazole DMSO Run3	NM_1385 57	TLR4	toll-like receptor 4	-0.017522 Inlier
siRNA-Temozolomide Run3-DMSO	NM_1385 57	TLR4	toll-like receptor 4	0.017522 Inlier
siRNA-Temozolomide Run1-DMSO	NM_1385 57	TLR4	toll-like receptor 4	0.889381 Inlier
siRNA Disorazole DMSO Run2	NM_1385 57	TLR4	toll-like receptor 4	4.835945 Outlier
siRNA-Vinblastine Run1-DMSO	NM_1385 57	TLR4	toll-like receptor 4	5.724826 Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Vinblastine Run2- DMSO	NM_0032 68	TLR5	toll-like receptor 5	-2.488439	Inlier
	NM_0032 68	TLR5	toll-like receptor 5	-0.645138	Inlier
siRNA Disorazole DMSO Run3	NM_0032 68	TLR5	toll-like receptor 5	-0.440189	Inlier
siRNA Disorazole DMSO Run1	NM_0032 68	TLR5	toll-like receptor 5	-0.078138	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0032 68	TLR5	toll-like receptor 5	0.078138	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0032 68	TLR5	toll-like receptor 5	0.703862	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0032 68	TLR5	toll-like receptor 5	0.71737	Inlier
siRNA Disorazole DMSO Run2	NM_0032 68	TLR5	toll-like receptor 5	0.761357	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0165 62	TLR7	toll-like receptor 7	-0.766777	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0165 62	TLR7	toll-like receptor 7	-0.691232	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0165 62	TLR7	toll-like receptor 7	-0.657768	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0165 62	TLR7	toll-like receptor 7	-0.244938	Inlier
siRNA Disorazole DMSO Run3	NM_0165 62	TLR7	toll-like receptor 7	0.244938	Inlier
siRNA Disorazole DMSO Run1	NM_0165 62	TLR7	toll-like receptor 7	0.580422	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0165 62	TLR7	toll-like receptor 7	1.203868	Inlier
siRNA Disorazole DMSO Run2	NM_0165 62	TLR7	toll-like receptor 7	1.846588	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0166 10	TLR8	toll-like receptor 8	-0.77174	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0166 10	TLR8	toll-like receptor 8	-0.689197	Inlier
siRNA Disorazole DMSO Run1	NM_0166 10	TLR8	toll-like receptor 8	-0.466324	Inlier
siRNA Disorazole DMSO Run3	NM_0166 10	TLR8	toll-like receptor 8	-0.306543	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0166 10	TLR8	toll-like receptor 8	0.306542	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0166 10	TLR8	toll-like receptor 8	0.659803	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0166 10	TLR8	toll-like receptor 8	0.749226	Inlier
siRNA Disorazole DMSO Run2	NM_0166 10	TLR8	toll-like receptor 8	1.235403	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1386 88	TLR9	toll-like receptor 9	-0.826266	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1386 88	TLR9	toll-like receptor 9	-0.522734	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_1386		toll-like		
siRNA Disorazole DMSO Run1	88	TLR9	receptor 9	-0.472185	Inlier
	NM_1386		toll-like		
siRNA Disorazole DMSO Run3	88	TLR9	receptor 9	-0.295814	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1386		toll-like		
	88	TLR9	receptor 9	0.295814	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1386		toll-like		
	88	TLR9	receptor 9	0.950495	Inlier
	NM_1386		toll-like		
siRNA Disorazole DMSO Run2	88	TLR9	receptor 9	1.089156	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1386		toll-like		
	88	TLR9	receptor 9	1.319666	Inlier
			transmembrane 7 superfamily member 1 (upregulated in kidney)		
siRNA-Temozolomide Run3-DMSO	NM_0032	TM7SF1	transmembrane 7 superfamily member 1 (upregulated in kidney)	-1.794878	Inlier
	72				
	NM_0032		(upregulated in kidney)		
siRNA Disorazole DMSO Run1	72	TM7SF1	transmembrane 7 superfamily member 1 (upregulated in kidney)	-0.750501	Inlier
	NM_0032		(upregulated in kidney)		
siRNA-Vinblastine Run2-DMSO	72	TM7SF1	transmembrane 7 superfamily member 1 (upregulated in kidney)	-0.497529	Inlier
	NM_0032		(upregulated in kidney)		
siRNA Disorazole DMSO Run3	72	TM7SF1	transmembrane 7 superfamily member 1 (upregulated in kidney)	-0.450436	Inlier
	NM_0032		(upregulated in kidney)		
siRNA-Temozolomide Run2-DMSO	72	TM7SF1	kidney)	0.450436	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Transcript	Family	Value	Outlier
siRNA-Temozolomide Run1-DMSO	NM_003272	TM7SF1	transmembrane 7 superfamily member 1 (upregulated in kidney)	0.598499	Inlier
siRNA Disorazole DMSO Run2	NM_003272	TM7SF1	transmembrane 7 superfamily member 1 (upregulated in kidney)	2.766503	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003272	TM7SF1	transmembrane 7 superfamily member 1 (upregulated in kidney)	3.148359	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003273	TM7SF2	transmembrane 7 superfamily member 2	-1.460991	Inlier
siRNA Disorazole DMSO Run1	NM_003273	TM7SF2	transmembrane 7 superfamily member 2	-0.986962	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003273	TM7SF2	transmembrane 7 superfamily member 2	-0.362038	Inlier
siRNA Disorazole DMSO Run3	NM_003273	TM7SF2	transmembrane 7 superfamily member 2	-0.083938	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003273	TM7SF2	transmembrane 7 superfamily member 2	0.083938	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	TM	Family	Score	Outlier
siRNA-Temozolomide Run2-DMSO	NM_003273	TM7SF2	transmembrane 7 superfamily member 2	0.101662	Inlier
siRNA Disorazole DMSO Run2	NM_003273	TM7SF2	transmembrane 7 superfamily member 2	2.252791	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003273	TM7SF2	transmembrane 7 superfamily member 2	2.553734	Inlier
siRNA-Temozolomide Run3-DMSO	NM_030788	TM7SF4	transmembrane 7 superfamily member 4	-2.924397	Inlier
siRNA-Temozolomide Run2-DMSO	NM_030788	TM7SF4	transmembrane 7 superfamily member 4	-0.808628	Inlier
siRNA-Temozolomide Run1-DMSO	NM_030788	TM7SF4	transmembrane 7 superfamily member 4	-0.247318	Inlier
siRNA-Vinblastine Run2-DMSO	NM_030788	TM7SF4	transmembrane 7 superfamily member 4	-0.090907	Inlier
siRNA Disorazole DMSO Run1	NM_030788	TM7SF4	transmembrane 7 superfamily member 4	0.090907	Inlier
siRNA Disorazole DMSO Run3	NM_030788	TM7SF4	transmembrane 7 superfamily member 4	0.540372	Inlier
siRNA Disorazole DMSO Run2	NM_030788	TM7SF4	transmembrane 7 superfamily member 4	2.63993	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_030788	TM7SF4	transmembrane 7 superfamily member 4	2.848461	Inlier
siRNA Disorazole DMSO Run1	NM_003274	TMEM1	transmembrane protein 1	-1.16466	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003274	TMEM1	transmembrane protein 1	-1.055452	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003274	TMEM1	transmembrane protein 1	-0.083327	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003274	TMEM1	transmembrane protein 1	-0.012835	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003274	TMEM1	transmembrane protein 1	0.012835	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003274	TMEM1	transmembrane protein 1	0.393279	Inlier
siRNA Disorazole DMSO Run3	NM_003274	TMEM1	transmembrane protein 1	0.955721	Inlier
siRNA Disorazole DMSO Run2	NM_003274	TMEM1	transmembrane protein 1	1.122515	Inlier
siRNA-Temozolomide Run3-DMSO	NM_018196	TMLHE	trimethyllysine hydroxylase, epsilon	-1.250922	Inlier
siRNA-Temozolomide Run2-DMSO	NM_018196	TMLHE	trimethyllysine hydroxylase, epsilon	-0.595721	Inlier
siRNA-Vinblastine Run2-DMSO	NM_018196	TMLHE	trimethyllysine hydroxylase, epsilon	-0.376376	Inlier
siRNA Disorazole DMSO Run1	NM_018196	TMLHE	trimethyllysine hydroxylase, epsilon	-0.283122	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0181 96	TMLHE	trimethylly sine hydroxylas e, epsilon	0.283122	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0181 96	TMLHE	trimethylly sine hydroxylas e, epsilon	0.753279	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0181 96	TMLHE	trimethylly sine hydroxylas e, epsilon	2.876352	Inlier
siRNA Disorazole DMSO Run2	NM_0181 96	TMLHE	trimethylly sine hydroxylas e, epsilon	2.966924	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0056 56	TMPRSS2	transmem brane protease, serine 2	-3.602119	Outlier
siRNA-Temozolomide Run2- DMSO	NM_0056 56	TMPRSS2	transmem brane protease, serine 2	-2.920946	Inlier
siRNA Disorazole DMSO Run2	NM_0056 56	TMPRSS2	transmem brane protease, serine 2	-1.83517	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0056 56	TMPRSS2	transmem brane protease, serine 2	-0.163259	Inlier
siRNA Disorazole DMSO Run1	NM_0056 56	TMPRSS2	transmem brane protease, serine 2	0.16326	Inlier
siRNA Disorazole DMSO Run3	NM_0056 56	TMPRSS2	transmem brane protease, serine 2	0.250873	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0056 56	TMPRSS2	transmem brane protease, serine 2	0.277854	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0056 56	TMPRSS2	transmem brane protease, serine 2	1.071146	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Description	Log2 Fold Change	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_024022	TMPRSS3	transmembrane protease, serine 3	-1.150605	Inlier
siRNA Disorazole DMSO Run1	NM_024022	TMPRSS3	transmembrane protease, serine 3	-0.809608	Inlier
siRNA-Temozolomide Run3-DMSO	NM_024022	TMPRSS3	transmembrane protease, serine 3	-0.69769	Inlier
siRNA-Temozolomide Run1-DMSO	NM_024022	TMPRSS3	transmembrane protease, serine 3	-0.279691	Inlier
siRNA-Vinblastine Run2-DMSO	NM_024022	TMPRSS3	transmembrane protease, serine 3	0.279691	Inlier
siRNA Disorazole DMSO Run2	NM_024022	TMPRSS3	transmembrane protease, serine 3	0.425358	Inlier
siRNA-Vinblastine Run1-DMSO	NM_024022	TMPRSS3	transmembrane protease, serine 3	0.65131	Inlier
siRNA Disorazole DMSO Run3	NM_024022	TMPRSS3	transmembrane protease, serine 3	1.359143	Inlier
siRNA-Temozolomide Run3-DMSO	NM_183247	TMPRSS4	transmembrane protease, serine 4	-1.736927	Inlier
siRNA-Temozolomide Run2-DMSO	NM_183247	TMPRSS4	transmembrane protease, serine 4	-0.819545	Inlier
siRNA Disorazole DMSO Run1	NM_183247	TMPRSS4	transmembrane protease, serine 4	-0.529455	Inlier
siRNA-Temozolomide Run1-DMSO	NM_183247	TMPRSS4	transmembrane protease, serine 4	-0.103996	Inlier
siRNA Disorazole DMSO Run3	NM_183247	TMPRSS4	transmembrane protease, serine 4	0.103995	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Description	Value	Category
siRNA-Vinblastine Run2-DMSO	NM_1832 47	TMPRSS4	transmembrane protease, serine 4	0.205062	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1832 47	TMPRSS4	transmembrane protease, serine 4	0.896587	Inlier
siRNA Disorazole DMSO Run2	NM_1832 47	TMPRSS4	transmembrane protease, serine 4	1.114555	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0307 70	TMPRSS5	transmembrane protease, serine 5 (spinesin)	-0.899126	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0307 70	TMPRSS5	transmembrane protease, serine 5 (spinesin)	-0.629804	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0307 70	TMPRSS5	transmembrane protease, serine 5 (spinesin)	-0.470572	Inlier
siRNA Disorazole DMSO Run1	NM_0307 70	TMPRSS5	transmembrane protease, serine 5 (spinesin)	-0.400938	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0307 70	TMPRSS5	transmembrane protease, serine 5 (spinesin)	0.400939	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0307 70	TMPRSS5	transmembrane protease, serine 5 (spinesin)	0.719196	Inlier
siRNA Disorazole DMSO Run2	NM_0307 70	TMPRSS5	transmembrane protease, serine 5 (spinesin)	1.767198	Inlier
siRNA Disorazole DMSO Run3	NM_0307 70	TMPRSS5	transmembrane protease, serine 5 (spinesin)	1.98185	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_1530 19	TMPRSS6	transmembrane protease, serine 6	-1.290298	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1530 19	TMPRSS6	transmembrane protease, serine 6	-0.705776	Inlier
siRNA Disorazole DMSO Run2	NM_1530 19	TMPRSS6	transmembrane protease, serine 6	-0.643224	Inlier
siRNA Disorazole DMSO Run1	NM_1530 19	TMPRSS6	transmembrane protease, serine 6	-0.098093	Inlier
siRNA Disorazole DMSO Run3	NM_1530 19	TMPRSS6	transmembrane protease, serine 6	0.098092	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1530 19	TMPRSS6	transmembrane protease, serine 6	0.380599	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1530 19	TMPRSS6	transmembrane protease, serine 6	1.255092	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1530 19	TMPRSS6	transmembrane protease, serine 6	1.367157	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1829 73	TMPRSS9	transmembrane serine protease 9	-1.629206	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1829 73	TMPRSS9	transmembrane serine protease 9	-0.938231	Inlier
siRNA Disorazole DMSO Run2	NM_1829 73	TMPRSS9	transmembrane serine protease 9	-0.108295	Inlier
siRNA Disorazole DMSO Run1	NM_1829 73	TMPRSS9	transmembrane serine protease 9	-0.034878	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_1829 73	TMPRSS9	transmembrane serine protease 9	0.034878	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1829 73	TMPRSS9	transmembrane serine protease 9	0.410769	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1829 73	TMPRSS9	transmembrane serine protease 9	1.020685	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1829 73	TMPRSS9	transmembrane serine protease 9	1.253196	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0021 60	TNC	tenascin C (hexabrachion)	-0.960902	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0021 60	TNC	tenascin C (hexabrachion)	-0.527553	Inlier
siRNA Disorazole DMSO Run3	NM_0021 60	TNC	tenascin C (hexabrachion)	-0.361331	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0021 60	TNC	tenascin C (hexabrachion)	-0.1703	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0021 60	TNC	tenascin C (hexabrachion)	0.1703	Inlier
siRNA Disorazole DMSO Run1	NM_0021 60	TNC	tenascin C (hexabrachion)	0.821447	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0021 60	TNC	tenascin C (hexabrachion)	1.352763	Inlier
siRNA Disorazole DMSO Run2	NM_0021 60	TNC	tenascin C (hexabrachion)	1.611663	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Value	Category
siRNA-Temozolomide Run3-DMSO	NM_021137	TNFAIP1	tumor necrosis factor, alpha-induced protein 1 (endothelial)	-5.930988	Outlier
siRNA-Temozolomide Run2-DMSO	NM_021137	TNFAIP1	tumor necrosis factor, alpha-induced protein 1 (endothelial)	-3.141303	Inlier
siRNA Disorazole DMSO Run1	NM_021137	TNFAIP1	tumor necrosis factor, alpha-induced protein 1 (endothelial)	-0.88316	Inlier
siRNA Disorazole DMSO Run3	NM_021137	TNFAIP1	tumor necrosis factor, alpha-induced protein 1 (endothelial)	-0.104013	Inlier
siRNA-Temozolomide Run1-DMSO	NM_021137	TNFAIP1	tumor necrosis factor, alpha-induced protein 1 (endothelial)	0.104014	Inlier
siRNA-Vinblastine Run2-DMSO	NM_021137	TNFAIP1	tumor necrosis factor, alpha-induced protein 1 (endothelial)	0.361629	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Value	Outlier Status
siRNA-Vinblastine Run1-DMSO	NM_021137	TNFAIP1	tumor necrosis factor, alpha-induced protein 1 (endothelial)	0.46584	Inlier
siRNA Disorazole DMSO Run2	NM_021137	TNFAIP1	tumor necrosis factor, alpha-induced protein 1 (endothelial)	1.41054	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006290	TNFAIP3	tumor necrosis factor, alpha-induced protein 3	-0.797015	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006290	TNFAIP3	tumor necrosis factor, alpha-induced protein 3	-0.649764	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006290	TNFAIP3	tumor necrosis factor, alpha-induced protein 3	-0.210608	Inlier
siRNA Disorazole DMSO Run1	NM_006290	TNFAIP3	tumor necrosis factor, alpha-induced protein 3	-0.086418	Inlier
siRNA Disorazole DMSO Run3	NM_006290	TNFAIP3	tumor necrosis factor, alpha-induced protein 3	0.086418	Inlier
siRNA Disorazole DMSO Run2	NM_006290	TNFAIP3	tumor necrosis factor, alpha-induced protein 3	0.699236	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_006290	TNFAIP3	tumor necrosis factor, alpha-induced protein 3	1.540282	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006290	TNFAIP3	tumor necrosis factor, alpha-induced protein 3	1.553029	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003844	TNFRSF10A	tumor necrosis factor receptor superfamily, member 10a	-0.706965	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003844	TNFRSF10A	tumor necrosis factor receptor superfamily, member 10a	-0.703537	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003844	TNFRSF10A	tumor necrosis factor receptor superfamily, member 10a	-0.421769	Inlier
siRNA Disorazole DMSO Run1	NM_003844	TNFRSF10A	tumor necrosis factor receptor superfamily, member 10a	-0.104483	Inlier
siRNA Disorazole DMSO Run3	NM_003844	TNFRSF10A	tumor necrosis factor receptor superfamily, member 10a	0.104483	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Treatment	Gene ID	Accession	Gene Name	Score	Outlier Status
siRNA Disorazole DMSO Run2	NM_003844	TNFRSF10A	tumor necrosis factor receptor superfamily, member 10a	0.645463	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003844	TNFRSF10A	tumor necrosis factor receptor superfamily, member 10a	0.733996	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003844	TNFRSF10A	tumor necrosis factor receptor superfamily, member 10a	0.940188	Inlier
siRNA-Temozolomide Run2-DMSO	NM_147187	TNFRSF10B	tumor necrosis factor receptor superfamily, member 10b	-0.782826	Inlier
siRNA-Temozolomide Run1-DMSO	NM_147187	TNFRSF10B	tumor necrosis factor receptor superfamily, member 10b	-0.566174	Inlier
siRNA-Temozolomide Run3-DMSO	NM_147187	TNFRSF10B	tumor necrosis factor receptor superfamily, member 10b	-0.51387	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_1471 87	TNFRSF1 0B	tumor necrosis factor receptor superfamil y, member 10b	-0.106112	Inlier
siRNA Disorazole DMSO Run1	NM_1471 87	TNFRSF1 0B	tumor necrosis factor receptor superfamil y, member 10b	0.106112	Inlier
siRNA Disorazole DMSO Run2	NM_1471 87	TNFRSF1 0B	tumor necrosis factor receptor superfamil y, member 10b	2.184697	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1471 87	TNFRSF1 0B	tumor necrosis factor receptor superfamil y, member 10b	3.194753	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1471 87	TNFRSF1 0B	tumor necrosis factor receptor superfamil y, member 10b	3.243656	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0038 41	TNFRSF1 0C	tumor necrosis factor receptor superfamil y, member 10c, decoy without an intracellula r domain	-1.617331	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_003841	TNFRSF10C	tumor necrosis factor receptor superfamily, member 10c, decoy without an intracellular domain	-0.562051	Inlier
siRNA Disorazole DMSO Run1	NM_003841	TNFRSF10C	tumor necrosis factor receptor superfamily, member 10c, decoy without an intracellular domain	-0.362044	Inlier
siRNA Disorazole DMSO Run3	NM_003841	TNFRSF10C	tumor necrosis factor receptor superfamily, member 10c, decoy without an intracellular domain	-0.101914	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003841	TNFRSF10C	tumor necrosis factor receptor superfamily, member 10c, decoy without an intracellular domain	0.101914	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_003841	TNFRSF10C	tumor necrosis factor receptor superfamily, member 10c, decoy without an intracellular domain	0.786949	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003841	TNFRSF10C	tumor necrosis factor receptor superfamily, member 10c, decoy without an intracellular domain	2.242589	Inlier
siRNA Disorazole DMSO Run2	NM_003841	TNFRSF10C	tumor necrosis factor receptor superfamily, member 10c, decoy without an intracellular domain	3.130668	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003840	TNFRSF10D	tumor necrosis factor receptor superfamily, member 10d, decoy with truncated death domain	-1.941544	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_003840	TNFRSF10D	tumor necrosis factor receptor superfamily, member 10d, decoy with truncated death domain	-1.306978	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003840	TNFRSF10D	tumor necrosis factor receptor superfamily, member 10d, decoy with truncated death domain	-0.634021	Inlier
siRNA Disorazole DMSO Run3	NM_003840	TNFRSF10D	tumor necrosis factor receptor superfamily, member 10d, decoy with truncated death domain	-0.03972	Inlier
siRNA Disorazole DMSO Run1	NM_003840	TNFRSF10D	tumor necrosis factor receptor superfamily, member 10d, decoy with truncated death domain	0.03972	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	40	NM_0038	TNFRSF1 0D	tumor necrosis factor receptor superfamil y, member 10d, decoy with truncated death domain	0.428264	Inlier
siRNA-Vinblastine Run2- DMSO	40	NM_0038	TNFRSF1 0D	tumor necrosis factor receptor superfamil y, member 10d, decoy with truncated death domain	0.714979	Inlier
siRNA-Vinblastine Run1- DMSO	40	NM_0038	TNFRSF1 0D	tumor necrosis factor receptor superfamil y, member 10d, decoy with truncated death domain	1.137027	Inlier
siRNA-Temozolomide Run2- DMSO	39	NM_0038	TNFRSF1 1A	tumor necrosis factor receptor superfamil y, member 11a, activator of NFKB	-0.734028	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_003839	TNFRSF11A	tumor necrosis factor receptor superfamily, member 11a, activator of NFkB	-0.614972	Inlier
siRNA Disorazole DMSO Run3	NM_003839	TNFRSF11A	tumor necrosis factor receptor superfamily, member 11a, activator of NFkB	-0.181436	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003839	TNFRSF11A	tumor necrosis factor receptor superfamily, member 11a, activator of NFkB	-0.05853	Inlier
siRNA Disorazole DMSO Run2	NM_003839	TNFRSF11A	tumor necrosis factor receptor superfamily, member 11a, activator of NFkB	0.05853	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003839	TNFRSF11A	tumor necrosis factor receptor superfamily, member 11a, activator of NFkB	-1.104758	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0038 39	TNFRSF1 1A	tumor necrosis factor receptor superfamil y, member 11a, activator of NFKB	-0.244242	Inlier
siRNA Disorazole DMSO Run1	NM_0038 39	TNFRSF1 1A	tumor necrosis factor receptor superfamil y, member 11a, activator of NFKB	1.103602	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0038 39	TNFRSF1 1A	tumor necrosis factor receptor superfamil y, member 11a, activator of NFKB	-0.077621	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0038 39	TNFRSF1 1A	tumor necrosis factor receptor superfamil y, member 11a, activator of NFKB	-0.070907	Inlier
siRNA Disorazole DMSO Run1	NM_0038 39	TNFRSF1 1A	tumor necrosis factor receptor superfamil y, member 11a, activator of NFKB	0.070907	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0038 39	TNFRSF1 1A	tumor necrosis factor receptor superfamil y, member 11a, activator of NFKB	1.115838	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0038 39	TNFRSF1 1A	tumor necrosis factor receptor superfamil y, member 11a, activator of NFKB	1.721125	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0038 39	TNFRSF1 1A	tumor necrosis factor receptor superfamil y, member 11a, activator of NFKB	1.456797	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0038 39	TNFRSF1 1A	tumor necrosis factor receptor superfamil y, member 11a, activator of NFKB	1.728827	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0038 39	TNFRSF1 1A	tumor necrosis factor receptor superfamil y, member 11a, activator of NFKB	2.269662	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_002546	TNFRSF11B	tumor necrosis factor receptor superfamily, member 11b (osteoprotegerin)	-3.230526	Inlier
siRNA Disorazole DMSO Run3	NM_002546	TNFRSF11B	tumor necrosis factor receptor superfamily, member 11b (osteoprotegerin)	-1.214564	Inlier
siRNA Disorazole DMSO Run1	NM_002546	TNFRSF11B	tumor necrosis factor receptor superfamily, member 11b (osteoprotegerin)	-0.476819	Inlier
siRNA-Vinblastine Run1-DMSO	NM_002546	TNFRSF11B	tumor necrosis factor receptor superfamily, member 11b (osteoprotegerin)	-0.042214	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002546	TNFRSF11B	tumor necrosis factor receptor superfamily, member 11b (osteoprotegerin)	0.042214	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_002546	TNFRSF11B	tumor necrosis factor receptor superfamily, member 11b (osteoprotegerin)	0.620373	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002546	TNFRSF11B	tumor necrosis factor receptor superfamily, member 11b (osteoprotegerin)	0.728627	Inlier
siRNA Disorazole DMSO Run2	NM_002546	TNFRSF11B	tumor necrosis factor receptor superfamily, member 11b (osteoprotegerin)	0.990024	Inlier
siRNA-Temozolomide Run3-DMSO	NM_012452	TNFRSF13B	tumor necrosis factor receptor superfamily, member 13B	-6.250272	Outlier
siRNA Disorazole DMSO Run3	NM_012452	TNFRSF13B	tumor necrosis factor receptor superfamily, member 13B	-0.8202	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Accession	Gene Name	Value	Category
siRNA-Temozolomide Run2-DMSO	NM_012452	TNFRSF13B	tumor necrosis factor receptor superfamily, member 13B	-0.467203	Inlier
siRNA-Vinblastine Run2-DMSO	NM_012452	TNFRSF13B	tumor necrosis factor receptor superfamily, member 13B	-0.11169	Inlier
siRNA Disorazole DMSO Run1	NM_012452	TNFRSF13B	tumor necrosis factor receptor superfamily, member 13B	0.11169	Inlier
siRNA-Temozolomide Run1-DMSO	NM_012452	TNFRSF13B	tumor necrosis factor receptor superfamily, member 13B	0.5288	Inlier
siRNA Disorazole DMSO Run2	NM_012452	TNFRSF13B	tumor necrosis factor receptor superfamily, member 13B	1.855227	Inlier
siRNA-Vinblastine Run1-DMSO	NM_012452	TNFRSF13B	tumor necrosis factor receptor superfamily, member 13B	4.112649	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0038 20	TNFRSF1 4	tumor necrosis factor receptor superfamil y, member 14 (herpesvir us entry mediator)	-3.220161 Inlier
siRNA Disorazole DMSO Run1	NM_0038 20	TNFRSF1 4	tumor necrosis factor receptor superfamil y, member 14 (herpesvir us entry mediator)	-1.375269 Inlier
siRNA Disorazole DMSO Run2	NM_0038 20	TNFRSF1 4	tumor necrosis factor receptor superfamil y, member 14 (herpesvir us entry mediator)	-0.476811 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0038 20	TNFRSF1 4	tumor necrosis factor receptor superfamil y, member 14 (herpesvir us entry mediator)	-0.287107 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0038 20	TNFRSF1 4	tumor necrosis factor receptor superfamil y, member 14 (herpesvir us entry mediator)	0.287109 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0038 20	TNFRSF1 4	tumor necrosis factor receptor superfamil y, member 14 (herpesvir us entry mediator)	0.65078 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0038 20	TNFRSF1 4	tumor necrosis factor receptor superfamil y, member 14 (herpesvir us entry mediator)	0.69822 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0038 20	TNFRSF1 4	tumor necrosis factor receptor superfamil y, member 14 (herpesvir us entry mediator)	4.049907 Outlier
siRNA-Temozolomide Run3- DMSO	NM_0011 92	TNFRSF1 7	tumor necrosis factor receptor superfamil y, member 17	-5.269984 Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0011 92	TNFRSF1 7	tumor necrosis factor receptor superfamil y, member 17	-1.169411	Inlier
siRNA Disorazole DMSO Run3	NM_0011 92	TNFRSF1 7	tumor necrosis factor receptor superfamil y, member 17	-0.762507	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0011 92	TNFRSF1 7	tumor necrosis factor receptor superfamil y, member 17	-0.284764	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0011 92	TNFRSF1 7	tumor necrosis factor receptor superfamil y, member 17	0.284764	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0011 92	TNFRSF1 7	tumor necrosis factor receptor superfamil y, member 17	0.418813	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0011 92	TNFRSF1 7	tumor necrosis factor receptor superfamil y, member 17	0.586493	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_001192	TNFRSF17	tumor necrosis factor receptor superfamil y, member 17	1.885394	Inlier
siRNA-Temozolomide Run3-DMSO	NM_148901	TNFRSF18	tumor necrosis factor receptor superfamil y, member 18	-3.196456	Inlier
siRNA-Temozolomide Run1-DMSO	NM_148901	TNFRSF18	tumor necrosis factor receptor superfamil y, member 18	-0.727587	Inlier
siRNA Disorazole DMSO Run3	NM_148901	TNFRSF18	tumor necrosis factor receptor superfamil y, member 18	-0.344351	Inlier
siRNA-Temozolomide Run2-DMSO	NM_148901	TNFRSF18	tumor necrosis factor receptor superfamil y, member 18	-0.305286	Inlier
siRNA-Vinblastine Run2-DMSO	NM_148901	TNFRSF18	tumor necrosis factor receptor superfamil y, member 18	0.305286	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_1489 01	TNFRSF1 8	tumor necrosis factor receptor superfamil y, member 18	0.621413 Inlier
siRNA Disorazole DMSO Run1	NM_1489 01	TNFRSF1 8	tumor necrosis factor receptor superfamil y, member 18	0.784632 Inlier
siRNA-Vinblastine Run1- DMSO	NM_1489 01	TNFRSF1 8	tumor necrosis factor receptor superfamil y, member 18	2.01684 Inlier
siRNA-Temozolomide Run3- DMSO	NM_1489 57	TNFRSF1 9	tumor necrosis factor receptor superfamil y, member 19	-1.226666 Inlier
siRNA Disorazole DMSO Run3	NM_1489 57	TNFRSF1 9	tumor necrosis factor receptor superfamil y, member 19	-0.554257 Inlier
siRNA-Vinblastine Run2- DMSO	NM_1489 57	TNFRSF1 9	tumor necrosis factor receptor superfamil y, member 19	-0.289518 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_148957	TNFRSF19	tumor necrosis factor receptor superfamily, member 19	-0.271095	Inlier
siRNA-Temozolomide Run1-DMSO	NM_148957	TNFRSF19	tumor necrosis factor receptor superfamily, member 19	0.271095	Inlier
siRNA Disorazole DMSO Run1	NM_148957	TNFRSF19	tumor necrosis factor receptor superfamily, member 19	0.794743	Inlier
siRNA-Vinblastine Run1-DMSO	NM_148957	TNFRSF19	tumor necrosis factor receptor superfamily, member 19	1.492627	Inlier
siRNA Disorazole DMSO Run2	NM_148957	TNFRSF19	tumor necrosis factor receptor superfamily, member 19	1.894089	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001065	TNFRSF1A	tumor necrosis factor receptor superfamily, member 1A	-1.153228	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Accession	Gene Name	Family	Value	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_001065	TNFRSF1A	tumor necrosis factor receptor superfamily, member 1A	-0.96905	Inlier	
siRNA Disorazole DMSO Run1	NM_001065	TNFRSF1A	tumor necrosis factor receptor superfamily, member 1A	-0.100596	Inlier	
siRNA-Temozolomide Run3-DMSO	NM_001065	TNFRSF1A	tumor necrosis factor receptor superfamily, member 1A	-0.020315	Inlier	
siRNA-Vinblastine Run2-DMSO	NM_001065	TNFRSF1A	tumor necrosis factor receptor superfamily, member 1A	0.020316	Inlier	
siRNA Disorazole DMSO Run3	NM_001065	TNFRSF1A	tumor necrosis factor receptor superfamily, member 1A	0.379949	Inlier	
siRNA Disorazole DMSO Run2	NM_001065	TNFRSF1A	tumor necrosis factor receptor superfamily, member 1A	1.239934	Inlier	

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_001065	TNFRSF1A	tumor necrosis factor receptor superfamily, member 1A	2.063137	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001066	TNFRSF1B	tumor necrosis factor receptor superfamily, member 1B	-1.63498	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001066	TNFRSF1B	tumor necrosis factor receptor superfamily, member 1B	-0.986307	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001066	TNFRSF1B	tumor necrosis factor receptor superfamily, member 1B	-0.706245	Inlier
siRNA Disorazole DMSO Run1	NM_001066	TNFRSF1B	tumor necrosis factor receptor superfamily, member 1B	-0.301054	Inlier
siRNA Disorazole DMSO Run3	NM_001066	TNFRSF1B	tumor necrosis factor receptor superfamily, member 1B	0.301053	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0010 66	TNFRSF1 B	tumor necrosis factor receptor superfamil y, member 1B	0.631424 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0010 66	TNFRSF1 B	tumor necrosis factor receptor superfamil y, member 1B	0.642755 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0010 66	TNFRSF1 B	tumor necrosis factor receptor superfamil y, member 1B	0.934408 Inlier
siRNA-Temozolomide Run2- DMSO	NM_1489 73	TNFRSF2 5	tumor necrosis factor receptor superfamil y, member 25	-0.81164 Inlier
siRNA-Temozolomide Run1- DMSO	NM_1489 73	TNFRSF2 5	tumor necrosis factor receptor superfamil y, member 25	-0.694307 Inlier
siRNA Disorazole DMSO Run1	NM_1489 73	TNFRSF2 5	tumor necrosis factor receptor superfamil y, member 25	-0.654693 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_1489 73	TNFRSF2 5	tumor necrosis factor receptor superfamil y, member 25	-0.073489	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1489 73	TNFRSF2 5	tumor necrosis factor receptor superfamil y, member 25	0.073489	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1489 73	TNFRSF2 5	tumor necrosis factor receptor superfamil y, member 25	0.592505	Inlier
siRNA Disorazole DMSO Run2	NM_1489 73	TNFRSF2 5	tumor necrosis factor receptor superfamil y, member 25	1.955931	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1489 73	TNFRSF2 5	tumor necrosis factor receptor superfamil y, member 25	2.498733	Inlier
siRNA Disorazole DMSO Run3	NM_0033 27	TNFRSF4 4	tumor necrosis factor receptor superfamil y, member 4	-3.446055	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Gene Description	Log Fold Change	Classification
siRNA-Temozolomide Run1-DMSO	TNFRSF4	NM_003327	tumor necrosis factor receptor superfamily, member 4	-0.493791	Inlier
siRNA-Vinblastine Run2-DMSO	TNFRSF4	NM_003327	tumor necrosis factor receptor superfamily, member 4	-0.409551	Inlier
siRNA Disorazole DMSO Run2	TNFRSF4	NM_003327	tumor necrosis factor receptor superfamily, member 4	-0.275067	Inlier
siRNA Disorazole DMSO Run1	TNFRSF4	NM_003327	tumor necrosis factor receptor superfamily, member 4	0.275067	Inlier
siRNA-Temozolomide Run3-DMSO	TNFRSF4	NM_003327	tumor necrosis factor receptor superfamily, member 4	0.855209	Inlier
siRNA-Temozolomide Run2-DMSO	TNFRSF4	NM_003327	tumor necrosis factor receptor superfamily, member 4	5.282187	Outlier
siRNA-Vinblastine Run1-DMSO	TNFRSF4	NM_003327	tumor necrosis factor receptor superfamily, member 4	6.881078	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	CD40 antigen (TNF receptor superfamily member 5)	Value	Category
siRNA-Temozolomide Run3-DMSO	NM_152854	TNFRSF5	CD40 antigen (TNF receptor superfamily member 5)	-5.213503	Outlier
siRNA Disorazole DMSO Run1	NM_152854	TNFRSF5	CD40 antigen (TNF receptor superfamily member 5)	-1.00835	Inlier
siRNA-Temozolomide Run1-DMSO	NM_152854	TNFRSF5	CD40 antigen (TNF receptor superfamily member 5)	-0.262109	Inlier
siRNA-Vinblastine Run2-DMSO	NM_152854	TNFRSF5	CD40 antigen (TNF receptor superfamily member 5)	-0.02881	Inlier
siRNA Disorazole DMSO Run3	NM_152854	TNFRSF5	CD40 antigen (TNF receptor superfamily member 5)	0.028808	Inlier
siRNA-Temozolomide Run2-DMSO	NM_152854	TNFRSF5	CD40 antigen (TNF receptor superfamily member 5)	0.34065	Inlier
siRNA Disorazole DMSO Run2	NM_152854	TNFRSF5	CD40 antigen (TNF receptor superfamily member 5)	2.613737	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Description	Log Fold Change	Classification
siRNA-Vinblastine Run1-DMSO	NM_152854	TNFRSF5	CD40 antigen (TNF receptor superfamily member 5)	4.444355	Outlier
siRNA-Temozolomide Run3-DMSO	NM_152873	TNFRSF6	Fas (TNF receptor superfamily member 6)	-1.232226	Inlier
siRNA-Temozolomide Run2-DMSO	NM_152873	TNFRSF6	Fas (TNF receptor superfamily member 6)	-0.909465	Inlier
siRNA-Vinblastine Run2-DMSO	NM_152873	TNFRSF6	Fas (TNF receptor superfamily member 6)	-0.315322	Inlier
siRNA Disorazole DMSO Run3	NM_152873	TNFRSF6	Fas (TNF receptor superfamily member 6)	-0.235511	Inlier
siRNA-Temozolomide Run1-DMSO	NM_152873	TNFRSF6	Fas (TNF receptor superfamily member 6)	0.235511	Inlier
siRNA Disorazole DMSO Run1	NM_152873	TNFRSF6	Fas (TNF receptor superfamily member 6)	0.439534	Inlier
siRNA Disorazole DMSO Run2	NM_152873	TNFRSF6	Fas (TNF receptor superfamily member 6)	2.448175	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_152873	TNFRSF6	Fas (TNF receptor superfamily, member 6)	2.783188	Inlier
siRNA-Temozolomide Run3-DMSO	NM_015647	TNFRSF6B	tumor necrosis factor receptor superfamily, member 6b, decoy	-2.04008	Inlier
siRNA Disorazole DMSO Run3	NM_015647	TNFRSF6B	tumor necrosis factor receptor superfamily, member 6b, decoy	-0.678316	Inlier
siRNA-Temozolomide Run2-DMSO	NM_015647	TNFRSF6B	tumor necrosis factor receptor superfamily, member 6b, decoy	-0.670684	Inlier
siRNA-Temozolomide Run1-DMSO	NM_015647	TNFRSF6B	tumor necrosis factor receptor superfamily, member 6b, decoy	-0.238995	Inlier
siRNA Disorazole DMSO Run1	NM_015647	TNFRSF6B	tumor necrosis factor receptor superfamily, member 6b, decoy	0.238995	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0156 47	TNFRSF6 B	tumor necrosis factor receptor superfamil y, member 6b, decoy	0.636945	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0156 47	TNFRSF6 B	tumor necrosis factor receptor superfamil y, member 6b, decoy	1.110356	Inlier
siRNA Disorazole DMSO Run2	NM_0156 47	TNFRSF6 B	tumor necrosis factor receptor superfamil y, member 6b, decoy	1.23323	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0012 42	TNFRSF7	tumor necrosis factor receptor superfamil y, member 7	-2.693953	Inlier
siRNA Disorazole DMSO Run2	NM_0012 42	TNFRSF7	tumor necrosis factor receptor superfamil y, member 7	-0.400574	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0012 42	TNFRSF7	tumor necrosis factor receptor superfamil y, member 7	-0.392536	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0012 42	TNFRSF7	tumor necrosis factor receptor superfamil y, member 7	-0.381894	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Accession	Gene	Gene Description	Score	Outlier
siRNA Disorazole DMSO Run1	NM_001242	TNFRSF7	tumor necrosis factor receptor superfamily, member 7	0.381894	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001242	TNFRSF7	tumor necrosis factor receptor superfamily, member 7	0.948426	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001242	TNFRSF7	tumor necrosis factor receptor superfamily, member 7	1.096407	Inlier
siRNA Disorazole DMSO Run3	NM_001242	TNFRSF7	tumor necrosis factor receptor superfamily, member 7	1.262709	Inlier
siRNA Disorazole DMSO Run1	NM_152942	TNFRSF8	tumor necrosis factor receptor superfamily, member 8	-0.751797	Inlier
siRNA-Temozolomide Run2-DMSO	NM_152942	TNFRSF8	tumor necrosis factor receptor superfamily, member 8	-0.597203	Inlier
siRNA-Temozolomide Run3-DMSO	NM_152942	TNFRSF8	tumor necrosis factor receptor superfamily, member 8	-0.534501	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Accession	Gene ID	Log Fold Change	Classification
siRNA Disorazole DMSO Run3	TNFRSF8	NM_1529	8	-0.275231	Inlier
siRNA-Vinblastine Run2-DMSO	TNFRSF8	NM_1529	8	0.275231	Inlier
siRNA-Temozolomide Run1-DMSO	TNFRSF8	NM_1529	8	1.072382	Inlier
siRNA Disorazole DMSO Run2	TNFRSF8	NM_1529	8	3.108076	Inlier
siRNA-Vinblastine Run1-DMSO	TNFRSF8	NM_1529	8	5.549821	Outlier
siRNA-Temozolomide Run2-DMSO	TNFRSF9	NM_0015	9	-0.858608	Inlier
siRNA-Temozolomide Run3-DMSO	TNFRSF9	NM_0015	9	-0.802815	Inlier

tumor
 necrosis
 factor
 receptor
 superfamil
 y, member

tumor
 necrosis
 factor
 receptor
 superfamil
 y, member

tumor
 necrosis
 factor
 receptor
 superfamil
 y, member

tumor
 necrosis
 factor
 receptor
 superfamil
 y, member

tumor
 necrosis
 factor
 receptor
 superfamil
 y, member

tumor
 necrosis
 factor
 receptor
 superfamil
 y, member

tumor
 necrosis
 factor
 receptor
 superfamil
 y, member

tumor
 necrosis
 factor
 receptor
 superfamil
 y, member

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0015 61	TNFRSF9	tumor necrosis factor receptor superfamil y, member 9	-0.411105	Inlier
siRNA Disorazole DMSO Run3	NM_0015 61	TNFRSF9	tumor necrosis factor receptor superfamil y, member 9	-0.008782	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0015 61	TNFRSF9	tumor necrosis factor receptor superfamil y, member 9	0.008781	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0015 61	TNFRSF9	tumor necrosis factor receptor superfamil y, member 9	0.546185	Inlier
siRNA Disorazole DMSO Run2	NM_0015 61	TNFRSF9	tumor necrosis factor receptor superfamil y, member 9	2.696701	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0015 61	TNFRSF9	tumor necrosis factor receptor superfamil y, member 9	2.995975	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0039 85	TNK1	tyrosine kinase, non- receptor, 1	-0.929068	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0039 85	TNK1	tyrosine kinase, non- receptor, 1	-0.741481	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0039 85	TNK1	tyrosine kinase, non- receptor, 1	-0.607519	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0039 85	TNK1	tyrosine kinase, non- receptor, 1	-0.49176	Inlier
siRNA Disorazole DMSO Run1	NM_0039 85	TNK1	tyrosine kinase, non- receptor, 1	0.49176	Inlier
siRNA Disorazole DMSO Run3	NM_0039 85	TNK1	tyrosine kinase, non- receptor, 1	0.55408	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0039 85	TNK1	tyrosine kinase, non- receptor, 1	0.747113	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0039 85	TNK1	tyrosine kinase, non- receptor, 1 tankyrase, TRF1- interacting ankyrin- related ADP- ribose	0.88466	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0037 47	TNKS	polymeras e tankyrase, TRF1- interacting ankyrin- related ADP- ribose	-1.289818	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0037 47	TNKS	polymeras e	-1.059075	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Log Fold Change	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_003747	TNKS	-0.505505	Inlier
siRNA Disorazole DMSO Run1	NM_003747	TNKS	-0.029704	Inlier
siRNA Disorazole DMSO Run3	NM_003747	TNKS	0.029703	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003747	TNKS	0.380702	Inlier
siRNA Disorazole DMSO Run2	NM_003747	TNKS	0.843495	Inlier

tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase
 tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase
 tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase
 tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase
 tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0037 47	TNKS	tankyrase, TRF1- interacting ankyrin- related ADP- ribose polymeras e	1.323454	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0252 35	TNKS2	tankyrase, TRF1- interacting ankyrin- related ADP- ribose polymeras e 2	-0.826875	Inlier
siRNA Disorazole DMSO Run1	NM_0252 35	TNKS2	tankyrase, TRF1- interacting ankyrin- related ADP- ribose polymeras e 2	-0.638735	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0252 35	TNKS2	tankyrase, TRF1- interacting ankyrin- related ADP- ribose polymeras e 2	-0.495982	Inlier
siRNA Disorazole DMSO Run3	NM_0252 35	TNKS2	tankyrase, TRF1- interacting ankyrin- related ADP- ribose polymeras e 2	-0.092137	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_025235	TNKS2	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase 2	0.092137	Inlier
siRNA-Temozolomide Run3-DMSO	NM_025235	TNKS2	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase 2	0.710265	Inlier
siRNA-Vinblastine Run1-DMSO	NM_025235	TNKS2	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase 2	1.281868	Inlier
siRNA Disorazole DMSO Run2	NM_025235	TNKS2	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase 2	1.295929	Inlier
siRNA-Temozolomide Run3-DMSO	NM_015978	TNNI3K	TNNI3 interacting kinase	-0.745886	Inlier
siRNA-Temozolomide Run1-DMSO	NM_015978	TNNI3K	TNNI3 interacting kinase	-0.603114	Inlier
siRNA-Temozolomide Run2-DMSO	NM_015978	TNNI3K	TNNI3 interacting kinase	-0.581855	Inlier
siRNA Disorazole DMSO Run3	NM_015978	TNNI3K	TNNI3 interacting kinase	-0.036073	Inlier
siRNA Disorazole DMSO Run2	NM_015978	TNNI3K	TNNI3 interacting kinase	0.036073	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0159 78	TNNI3K	TNNI3 interacting kinase	5.063917	Outlier
siRNA-Vinblastine Run2-DMSO	NM_0159 78	TNNI3K	TNNI3 interacting kinase	5.194977	Outlier
siRNA-Vinblastine Run1-DMSO	NM_0159 78	TNNI3K	TNNI3 interacting kinase	6.108506	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0032 85	TNR	tenascin R (restrictin, janusin)	-0.915586	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0032 85	TNR	tenascin R (restrictin, janusin)	-0.806419	Inlier
siRNA Disorazole DMSO Run3	NM_0032 85	TNR	tenascin R (restrictin, janusin)	-0.372417	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0032 85	TNR	tenascin R (restrictin, janusin)	-0.173636	Inlier
siRNA Disorazole DMSO Run1	NM_0032 85	TNR	tenascin R (restrictin, janusin)	0.173636	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0032 85	TNR	tenascin R (restrictin, janusin)	0.542581	Inlier
siRNA Disorazole DMSO Run2	NM_0032 85	TNR	tenascin R (restrictin, janusin)	0.91383	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0032 85	TNR	tenascin R (restrictin, janusin)	1.080728	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0051 20	TNRC11	mediator of RNA polymeras e II transcripti on, subunit 12 homolog (yeast)	-1.584673	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0051 20	TNRC11	mediator of RNA polymerase II transcription, subunit 12 homolog (yeast)	-1.305409	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0051 20	TNRC11	mediator of RNA polymerase II transcription, subunit 12 homolog (yeast)	-0.950607	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0051 20	TNRC11	mediator of RNA polymerase II transcription, subunit 12 homolog (yeast)	-0.065022	Inlier
siRNA Disorazole DMSO Run1	NM_0051 20	TNRC11	mediator of RNA polymerase II transcription, subunit 12 homolog (yeast)	0.065021	Inlier
siRNA Disorazole DMSO Run3	NM_0051 20	TNRC11	mediator of RNA polymerase II transcription, subunit 12 homolog (yeast)	0.314228	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_005120	TNRC11	mediator of RNA polymerase II transcription, subunit 12 homolog (yeast)	0.398393	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005120	TNRC11	mediator of RNA polymerase II transcription, subunit 12 homolog (yeast)	1.2009	Inlier
siRNA Disorazole DMSO Run3	NM_032470	TNXB	tenascin XB	-1.389491	Inlier
siRNA-Temozolomide Run3-DMSO	NM_032470	TNXB	tenascin XB	-0.88482	Inlier
siRNA-Temozolomide Run2-DMSO	NM_032470	TNXB	tenascin XB	-0.46418	Inlier
siRNA-Vinblastine Run2-DMSO	NM_032470	TNXB	tenascin XB	-0.031502	Inlier
siRNA-Temozolomide Run1-DMSO	NM_032470	TNXB	tenascin XB	0.031502	Inlier
siRNA Disorazole DMSO Run1	NM_032470	TNXB	tenascin XB	0.286238	Inlier
siRNA-Vinblastine Run1-DMSO	NM_032470	TNXB	tenascin XB	1.259079	Inlier
siRNA Disorazole DMSO Run2	NM_032470	TNXB	tenascin XB	1.453977	Inlier
siRNA Disorazole DMSO Run1	NM_003286	TOP1	topoisomerase (DNA) I	-1.035777	Inlier
siRNA Disorazole DMSO Run3	NM_003286	TOP1	topoisomerase (DNA) I	-0.962419	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003286	TOP1	topoisomerase (DNA) I	-0.61849	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003286	TOP1	topoisomerase (DNA) I	-0.057543	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003286	TOP1	topoisomerase (DNA) I	0.057545	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA Treatment	Gene ID	Target	Gene Name	Z-score	Outlier Status
Molecular Pharmacology siRNA-Vinblastine Run1- DMSO	NM_0032 86	TOP1	topoisome rase (DNA) I	0.435893	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0032 86	TOP1	topoisome rase (DNA) I	0.73051	Inlier
siRNA Disorazole DMSO Run2	NM_0032 86	TOP1	topoisome rase (DNA) I	1.648386	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0529 63	TOP1MT	topoisome rase (DNA) I, mitochond rial	-0.929084	Inlier
siRNA Disorazole DMSO Run1	NM_0529 63	TOP1MT	topoisome rase (DNA) I, mitochond rial	-0.7732	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0529 63	TOP1MT	topoisome rase (DNA) I, mitochond rial	-0.5758	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0529 63	TOP1MT	topoisome rase (DNA) I, mitochond rial	-0.186882	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0529 63	TOP1MT	topoisome rase (DNA) I, mitochond rial	0.186881	Inlier
siRNA Disorazole DMSO Run2	NM_0529 63	TOP1MT	topoisome rase (DNA) I, mitochond rial	0.40382	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0529 63	TOP1MT	topoisome rase (DNA) I, mitochond rial	0.793316	Inlier
siRNA Disorazole DMSO Run3	NM_0529 63	TOP1MT	topoisome rase (DNA) I, mitochond rial	0.876671	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_001067	TOP2A	topoisomerase (DNA) II alpha 170kDa	-0.866229	Inlier
siRNA Disorazole DMSO Run3	NM_001067	TOP2A	topoisomerase (DNA) II alpha 170kDa	-0.842855	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001067	TOP2A	topoisomerase (DNA) II alpha 170kDa	-0.506145	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001067	TOP2A	topoisomerase (DNA) II alpha 170kDa	-0.223428	Inlier
siRNA Disorazole DMSO Run1	NM_001067	TOP2A	topoisomerase (DNA) II alpha 170kDa	0.223428	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001067	TOP2A	topoisomerase (DNA) II alpha 170kDa	0.41861	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001067	TOP2A	topoisomerase (DNA) II alpha 170kDa	2.022901	Inlier
siRNA Disorazole DMSO Run2	NM_001067	TOP2A	topoisomerase (DNA) II alpha 170kDa	2.516605	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001068	TOP2B	topoisomerase (DNA) II beta 180kDa	-1.299462	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001068	TOP2B	topoisomerase (DNA) II beta 180kDa	-1.043893	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0010 68	TOP2B	topoisome rase (DNA) II beta 180kDa	-0.217479	Inlier
siRNA Disorazole DMSO Run3	NM_0010 68	TOP2B	topoisome rase (DNA) II beta 180kDa	-0.014056	Inlier
siRNA Disorazole DMSO Run1	NM_0010 68	TOP2B	topoisome rase (DNA) II beta 180kDa	0.014057	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 68	TOP2B	topoisome rase (DNA) II beta 180kDa	0.499492	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 68	TOP2B	topoisome rase (DNA) II beta 180kDa	0.849508	Inlier
siRNA Disorazole DMSO Run2	NM_0010 68	TOP2B	topoisome rase (DNA) II beta 180kDa	2.271644	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0046 18	TOP3A	topoisome rase (DNA) III alpha	-1.186525	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0046 18	TOP3A	topoisome rase (DNA) III alpha	-0.463352	Inlier
siRNA Disorazole DMSO Run1	NM_0046 18	TOP3A	topoisome rase (DNA) III alpha	-0.310208	Inlier
siRNA Disorazole DMSO Run3	NM_0046 18	TOP3A	topoisome rase (DNA) III alpha	-0.048706	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0046 18	TOP3A	topoisome rase (DNA) III alpha	0.048706	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0046 18	TOP3A	topoisomerase (DNA) III alpha	0.885648	Inlier
siRNA Disorazole DMSO Run2	NM_0046 18	TOP3A	topoisomerase (DNA) III alpha	1.796556	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0046 18	TOP3A	topoisomerase (DNA) III alpha	2.179893	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0039 35	TOP3B	topoisomerase (DNA) III beta	-1.004639	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0039 35	TOP3B	topoisomerase (DNA) III beta	-0.618936	Inlier
siRNA Disorazole DMSO Run3	NM_0039 35	TOP3B	topoisomerase (DNA) III beta	-0.473994	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0039 35	TOP3B	topoisomerase (DNA) III beta	-0.306095	Inlier
siRNA Disorazole DMSO Run1	NM_0039 35	TOP3B	topoisomerase (DNA) III beta	0.306094	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0039 35	TOP3B	topoisomerase (DNA) III beta	0.730064	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0039 35	TOP3B	topoisomerase (DNA) III beta	0.85871	Inlier
siRNA Disorazole DMSO Run2	NM_0039 35	TOP3B	topoisomerase (DNA) III beta	1.418449	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0070 27	TOPBP1	(DNA) II binding protein 1	-1.575779	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0070 27	TOPBP1	topoisome rase (DNA) II binding protein 1	-0.818009	Inlier
siRNA Disorazole DMSO Run3	NM_0070 27	TOPBP1	topoisome rase (DNA) II binding protein 1	-0.530991	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0070 27	TOPBP1	topoisome rase (DNA) II binding protein 1	-0.037629	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0070 27	TOPBP1	topoisome rase (DNA) II binding protein 1	0.037629	Inlier
siRNA Disorazole DMSO Run1	NM_0070 27	TOPBP1	topoisome rase (DNA) II binding protein 1	0.349259	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0070 27	TOPBP1	topoisome rase (DNA) II binding protein 1	0.866609	Inlier
siRNA Disorazole DMSO Run2	NM_0070 27	TOPBP1	topoisome rase (DNA) II binding protein 1	1.291268	Inlier
siRNA Disorazole DMSO Run2	NM_0184 92	TOPK	binding kinase PDZ	-1.140898	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0184 92	TOPK	binding kinase PDZ	-1.071774	Inlier
siRNA Disorazole DMSO Run3	NM_0184 92	TOPK	binding kinase PDZ	-0.085039	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0184 92	TOPK	binding kinase PDZ	-0.022784	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0184 92	TOPK	binding kinase	0.022784	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein	Score	Category
siRNA Disorazole DMSO Run1	NM_018492	TOPK	PDZ binding kinase	0.666324	Inlier
siRNA-Vinblastine Run2-DMSO	NM_018492	TOPK	PDZ binding kinase	0.682676	Inlier
siRNA-Vinblastine Run1-DMSO	NM_018492	TOPK	PDZ binding kinase topoisomerase I	0.920002	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005802	TOPORS	binding, arginine/serine-rich topoisomerase I	-1.512501	Inlier
siRNA Disorazole DMSO Run1	NM_005802	TOPORS	binding, arginine/serine-rich topoisomerase I	-0.859126	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005802	TOPORS	binding, arginine/serine-rich topoisomerase I	-0.489874	Inlier
siRNA Disorazole DMSO Run3	NM_005802	TOPORS	binding, arginine/serine-rich topoisomerase I	-0.054974	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005802	TOPORS	binding, arginine/serine-rich topoisomerase I	0.054974	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005802	TOPORS	binding, arginine/serine-rich topoisomerase I	0.48124	Inlier
siRNA Disorazole DMSO Run2	NM_005802	TOPORS	binding, arginine/serine-rich topoisomerase I	7.02118	Outlier
siRNA-Vinblastine Run1-DMSO	NM_005802	TOPORS	binding, arginine/serine-rich	8.096858	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_000546	TP53	tumor protein p53 (Li-Fraumeni syndrome)	-1.018215	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000546	TP53	tumor protein p53 (Li-Fraumeni syndrome)	-1.018108	Inlier
siRNA Disorazole DMSO Run3	NM_000546	TP53	tumor protein p53 (Li-Fraumeni syndrome)	-0.259276	Inlier
siRNA Disorazole DMSO Run1	NM_000546	TP53	tumor protein p53 (Li-Fraumeni syndrome)	-0.059753	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000546	TP53	tumor protein p53 (Li-Fraumeni syndrome)	0.059753	Inlier
siRNA Disorazole DMSO Run2	NM_000546	TP53	tumor protein p53 (Li-Fraumeni syndrome)	0.532375	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000546	TP53	tumor protein p53 (Li-Fraumeni syndrome)	0.816625	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000546	TP53	tumor protein p53 (Li-Fraumeni syndrome)	1.091286	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1471 84	TP53I3	tumor protein p53 inducible protein 3	-0.89906	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1471 84	TP53I3	tumor protein p53 inducible protein 3	-0.830126	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1471 84	TP53I3	tumor protein p53 inducible protein 3	-0.570435	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1471 84	TP53I3	tumor protein p53 inducible protein 3	-0.227473	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1471 84	TP53I3	tumor protein p53 inducible protein 3	0.227473	Inlier
siRNA Disorazole DMSO Run3	NM_1471 84	TP53I3	tumor protein p53 inducible protein 3	0.35736	Inlier
siRNA Disorazole DMSO Run2	NM_1471 84	TP53I3	tumor protein p53 inducible protein 3	0.778565	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1471 84	TP53I3	TP53 inducible protein 3	0.947309	Inlier
siRNA Disorazole DMSO Run2	NM_0335 50	TP53RK	TP53 regulating kinase	-1.29904	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0335 50	TP53RK	TP53 regulating kinase	-1.198958	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0335 50	TP53RK	TP53 regulating kinase	-0.28681	Inlier
siRNA Disorazole DMSO Run1	NM_0335 50	TP53RK	TP53 regulating kinase	-0.02323	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	siRNA	Gene	TP53	Value	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0335 50	TP53RK	regulating kinase	0.023229	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0335 50	TP53RK	regulating kinase	0.51217	Inlier
siRNA Disorazole DMSO Run3	NM_0335 50	TP53RK	regulating kinase	0.83683	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0335 50	TP53RK	regulating kinase	1.129292	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0179 01	TPCN1	two pore segment channel 1	-2.079782	Inlier
siRNA Disorazole DMSO Run3	NM_0179 01	TPCN1	two pore segment channel 1	-0.733422	Inlier
siRNA Disorazole DMSO Run2	NM_0179 01	TPCN1	two pore segment channel 1	-0.524814	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0179 01	TPCN1	two pore segment channel 1	-0.474965	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0179 01	TPCN1	two pore segment channel 1	0.474965	Inlier
siRNA Disorazole DMSO Run1	NM_0179 01	TPCN1	two pore segment channel 1	0.615578	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0179 01	TPCN1	two pore segment channel 1	1.801586	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0179 01	TPCN1	two pore segment channel 1	2.114508	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1390 75	TPCN2	two pore segment channel 2	-1.046389	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1390 75	TPCN2	two pore segment channel 2	-0.704528	Inlier
siRNA Disorazole DMSO Run3	NM_1390 75	TPCN2	two pore segment channel 2	-0.644472	Inlier
siRNA Disorazole DMSO Run2	NM_1390 75	TPCN2	two pore segment channel 2	-0.156702	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1390 75	TPCN2	two pore segment channel 2	0.156702	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1390 75	TPCN2	two pore segment channel 2	0.225968	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1390 75	TPCN2	two pore segment channel 2	0.793146	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1390 75	TPCN2	two pore segment channel 2	0.824148	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0041 79	TPH1	tryptophan hydroxylas e 1 (tryptopha n 5- monooxyg enase)	-1.320917	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0041 79	TPH1	tryptophan hydroxylas e 1 (tryptopha n 5- monooxyg enase)	-0.766715	Inlier
siRNA Disorazole DMSO Run3	NM_0041 79	TPH1	tryptophan hydroxylas e 1 (tryptopha n 5- monooxyg enase)	-0.582285	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0041 79	TPH1	tryptophan hydroxylas e 1 (tryptopha n 5- monooxyg enase)	-0.034561	Inlier
siRNA Disorazole DMSO Run1	NM_0041 79	TPH1	tryptophan hydroxylas e 1 (tryptopha n 5- monooxyg enase)	0.034561	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0041 79	TPH1	tryptophan hydroxylase 1 (tryptophan 5-monooxygenase)	0.373688	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0041 79	TPH1	tryptophan hydroxylase 1 (tryptophan 5-monooxygenase)	1.730635	Inlier
siRNA Disorazole DMSO Run2	NM_0041 79	TPH1	tryptophan hydroxylase 1 (tryptophan 5-monooxygenase)	1.817645	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1733 53	TPH2	tryptophan hydroxylase 2	-1.090207	Inlier
siRNA Disorazole DMSO Run3	NM_1733 53	TPH2	tryptophan hydroxylase 2	-0.861082	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1733 53	TPH2	tryptophan hydroxylase 2	-0.487918	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1733 53	TPH2	tryptophan hydroxylase 2	-0.170728	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1733 53	TPH2	tryptophan hydroxylase 2	0.170728	Inlier
siRNA Disorazole DMSO Run1	NM_1733 53	TPH2	tryptophan hydroxylase 2	0.482282	Inlier
siRNA Disorazole DMSO Run2	NM_1733 53	TPH2	tryptophan hydroxylase 2	1.346123	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_1733 53	TPH2	tryptophan hydroxylas e 2	1.756623	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0003 65	TPI1	triosephos phate isomerase 1	-0.96169	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0003 65	TPI1	triosephos phate isomerase 1	-0.861911	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0003 65	TPI1	triosephos phate isomerase 1	-0.487089	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0003 65	TPI1	triosephos phate isomerase 1	-0.105232	Inlier
siRNA Disorazole DMSO Run1	NM_0003 65	TPI1	triosephos phate isomerase 1	0.105232	Inlier
siRNA Disorazole DMSO Run3	NM_0003 65	TPI1	triosephos phate isomerase 1	0.252723	Inlier
siRNA Disorazole DMSO Run2	NM_0003 65	TPI1	triosephos phate isomerase 1	1.509929	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0003 65	TPI1	triosephos phate isomerase 1	1.850018	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0224 45	TPK1	thiamin pyrophosp hokinase 1	-1.527174	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0224 45	TPK1	thiamin pyrophosp hokinase 1	-0.499671	Inlier
siRNA Disorazole DMSO Run2	NM_0224 45	TPK1	thiamin pyrophosp hokinase 1	-0.343537	Inlier
siRNA Disorazole DMSO Run1	NM_0224 45	TPK1	thiamin pyrophosp hokinase 1	-0.035156	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0224 45	TPK1	thiamin pyrophosp hokinase 1	0.035155	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0224 45	TPK1	thiamin pyrophosp hokinase 1	0.849329	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0224 45	TPK1	thiamin pyrophosp hokinase 1	1.060223	Inlier
siRNA Disorazole DMSO Run3	NM_0224 45	TPK1	thiamin pyrophosp hokinase 1	1.339157	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 18005	TPM1	tropomyos in 1 (alpha)	-1.465286	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 18005	TPM1	tropomyos in 1 (alpha)	-0.829314	Inlier
siRNA Disorazole DMSO Run1	NM_0010 18005	TPM1	tropomyos in 1 (alpha)	-0.640298	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 18005	TPM1	tropomyos in 1 (alpha)	-0.099359	Inlier
siRNA Disorazole DMSO Run3	NM_0010 18005	TPM1	tropomyos in 1 (alpha)	0.099359	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 18005	TPM1	tropomyos in 1 (alpha)	0.288912	Inlier
siRNA Disorazole DMSO Run2	NM_0010 18005	TPM1	tropomyos in 1 (alpha)	0.708702	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 18005	TPM1	tropomyos in 1 (alpha)	1.479647	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0032 89	TPM2	tropomyos in 2 (beta)	-2.196807	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0032 89	TPM2	tropomyos in 2 (beta)	-1.224202	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0032 89	TPM2	tropomyos in 2 (beta)	-0.29308	Inlier
siRNA Disorazole DMSO Run3	NM_0032 89	TPM2	tropomyos in 2 (beta)	-0.097122	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0032 89	TPM2	tropomyos in 2 (beta)	0.097122	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0032 89	TPM2	tropomyos in 2 (beta)	0.185675	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0032 89	TPM2	tropomyos in 2 (beta)	1.05592	Inlier
siRNA Disorazole DMSO Run2	NM_0032 89	TPM2	tropomyos in 2 (beta)	1.086046	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1522 63	TPM3	tropomyos in 3	-1.185526	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1522 63	TPM3	tropomyos in 3	-0.72624	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1522 63	TPM3	tropomyos in 3	-0.329955	Inlier
siRNA Disorazole DMSO Run1	NM_1522 63	TPM3	tropomyos in 3	-0.02013	Inlier
siRNA Disorazole DMSO Run3	NM_1522 63	TPM3	tropomyos in 3	0.02013	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1522 63	TPM3	tropomyos in 3	0.62276	Inlier
siRNA Disorazole DMSO Run2	NM_1522 63	TPM3	tropomyos in 3	2.605632	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1522 63	TPM3	tropomyos in 3	2.62191	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0032 90	TPM4	tropomyos in 4	-2.067501	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0032 90	TPM4	tropomyos in 4	-1.793339	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0032 90	TPM4	tropomyos in 4	-0.665263	Inlier
siRNA Disorazole DMSO Run3	NM_0032 90	TPM4	tropomyos in 4	-0.143078	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0032 90	TPM4	tropomyos in 4	0.143078	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0032 90	TPM4	tropomyos in 4	0.667541	Inlier
siRNA Disorazole DMSO Run2	NM_0032 90	TPM4	tropomyos in 4	0.681459	Inlier
siRNA Disorazole DMSO Run1	NM_0032 90	TPM4	tropomyos in 4	1.143271	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0003 67	TPMT	thiopurine S- methyltran sferase	-1.506869	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0003 67	TPMT	thiopurine S- methyltran sferase	-0.682174	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0003 67	TPMT	thiopurine S- methyltran sferase	-0.374933	Inlier
siRNA Disorazole DMSO Run3	NM_0003 67	TPMT	thiopurine S- methyltran sferase	-0.173624	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0003 67	TPMT	thiopurine S- methyltran sferase	0.173623	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0003 67	TPMT	thiopurine S- methyltran sferase	0.666826	Inlier
siRNA Disorazole DMSO Run2	NM_0003 67	TPMT	thiopurine S- methyltran sferase	1.101663	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0003 67	TPMT	thiopurine S- methyltran sferase	2.013302	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1757 21	TPO	thyroid peroxidas e	-0.940661	Inlier
siRNA Disorazole DMSO Run3	NM_1757 21	TPO	thyroid peroxidas e	-0.425523	Inlier
siRNA Disorazole DMSO Run1	NM_1757 21	TPO	thyroid peroxidas e	-0.425508	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1757 21	TPO	thyroid peroxidas e	-0.23255	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1757 21	TPO	thyroid peroxidas e	0.232549	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1757 21	TPO	thyroid peroxidas e	0.923477	Inlier
siRNA Disorazole DMSO Run2	NM_1757 21	TPO	thyroid peroxidas e	2.048269	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1757 21	TPO	thyroid peroxidas e	2.681191	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0032 91	TPP2	tripeptidyl peptidase II	-2.146404	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology					
siRNA-Temozolomide Run2-DMSO	NM_0032 91	TPP2	tripeptidyl peptidase II	-1.602607	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0032 91	TPP2	tripeptidyl peptidase II	-0.688336	Inlier
siRNA Disorazole DMSO Run1	NM_0032 91	TPP2	tripeptidyl peptidase II	-0.519784	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0032 91	TPP2	tripeptidyl peptidase II	0.519783	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0032 91	TPP2	tripeptidyl peptidase II	0.648709	Inlier
siRNA Disorazole DMSO Run3	NM_0032 91	TPP2	tripeptidyl peptidase II	0.660664	Inlier
siRNA Disorazole DMSO Run2	NM_0032 91	TPP2	tripeptidyl peptidase II	0.845898	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0163 72	TPRA40	G protein- coupled receptor 175	-0.900809	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0163 72	TPRA40	G protein- coupled receptor 175	-0.863512	Inlier
siRNA Disorazole DMSO Run3	NM_0163 72	TPRA40	G protein- coupled receptor 175	-0.137054	Inlier
siRNA Disorazole DMSO Run2	NM_0163 72	TPRA40	G protein- coupled receptor 175	-0.136267	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0163 72	TPRA40	G protein- coupled receptor 175	0.136265	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0163 72	TPRA40	G protein- coupled receptor 175	0.485488	Inlier
siRNA Disorazole DMSO Run1	NM_0163 72	TPRA40	G protein- coupled receptor 175	1.82806	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log2 Fold Change	Outlier Status
siRNA-Vinblastine Run1-DMSO	NM_016372	TPRA40	G protein-coupled receptor	2.322794	Inlier
siRNA-Vinblastine Run2-DMSO	NM_014317	TPRT	trans-prenyltransferase	-1.469612	Inlier
siRNA Disorazole DMSO Run1	NM_014317	TPRT	trans-prenyltransferase	-1.093426	Inlier
siRNA Disorazole DMSO Run3	NM_014317	TPRT	trans-prenyltransferase	-0.777855	Inlier
siRNA-Temozolomide Run1-DMSO	NM_014317	TPRT	trans-prenyltransferase	-0.116829	Inlier
siRNA-Temozolomide Run2-DMSO	NM_014317	TPRT	trans-prenyltransferase	0.116829	Inlier
siRNA-Temozolomide Run3-DMSO	NM_014317	TPRT	trans-prenyltransferase	0.423822	Inlier
siRNA Disorazole DMSO Run2	NM_014317	TPRT	trans-prenyltransferase	0.571145	Inlier
siRNA-Vinblastine Run1-DMSO	NM_014317	TPRT	trans-prenyltransferase	0.93331	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003294	TPSB1	tryptase alpha/beta 1	-1.3707	Inlier
siRNA Disorazole DMSO Run1	NM_003294	TPSB1	tryptase alpha/beta 1	-0.687582	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003294	TPSB1	tryptase alpha/beta 1	-1.54377	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003294	TPSB1	tryptase alpha/beta 1	-0.435626	Inlier
siRNA Disorazole DMSO Run2	NM_003294	TPSB1	tryptase alpha/beta 1	-0.213965	Inlier
siRNA Disorazole DMSO Run1	NM_003294	TPSB1	tryptase alpha/beta 1	-0.900285	Inlier
siRNA Disorazole DMSO Run2	NM_003294	TPSB1	tryptase alpha/beta 1	-0.561313	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003294	TPSB1	tryptase alpha/beta 1	-0.252879	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0032 94	TPSB1	tryptase alpha/beta 1	0.213965	Inlier
siRNA Disorazole DMSO Run3	NM_0032 94	TPSB1	tryptase alpha/beta 1	0.252879	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0032 94	TPSB1	tryptase alpha/beta 1	0.377065	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0032 94	TPSB1	tryptase alpha/beta 1	0.787687	Inlier
siRNA Disorazole DMSO Run3	NM_0032 94	TPSB1	tryptase alpha/beta 1	0.661418	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0032 94	TPSB1	tryptase alpha/beta 1	0.701368	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0032 94	TPSB1	tryptase alpha/beta 1	0.735137	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0032 94	TPSB1	tryptase alpha/beta 1	1.3022	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0241 64	TPSB2	tryptase beta 2	-1.829546	Inlier
siRNA Disorazole DMSO Run1	NM_0241 64	TPSB2	tryptase beta 2	-1.460275	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0241 64	TPSB2	tryptase beta 2	-0.820485	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0241 64	TPSB2	tryptase beta 2	-0.126774	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0241 64	TPSB2	tryptase beta 2	0.126773	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0241 64	TPSB2	tryptase beta 2	0.308107	Inlier
siRNA Disorazole DMSO Run2	NM_0241 64	TPSB2	tryptase beta 2	0.63653	Inlier
siRNA Disorazole DMSO Run3	NM_0241 64	TPSB2	tryptase beta 2	0.71247	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0122 17	TPSD1	tryptase delta 1	-1.219251	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0122 17	TPSD1	tryptase delta 1	-0.803496	Inlier
siRNA Disorazole DMSO Run2	NM_0122 17	TPSD1	tryptase delta 1	-0.453483	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0122 17	TPSD1	tryptase delta 1	-0.076794	Inlier
siRNA Disorazole DMSO Run1	NM_0122 17	TPSD1	tryptase delta 1	0.076794	Inlier
siRNA Disorazole DMSO Run3	NM_0122 17	TPSD1	tryptase delta 1	0.545504	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA-Vinblastine Run2- DMSO	NM_0122 17	TPSD1	tryptase delta 1	0.848031	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0122 17	TPSD1	tryptase delta 1	1.23484	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0124 67	TPSG1	tryptase gamma 1	-1.993718	Inlier
siRNA Disorazole DMSO Run3	NM_0124 67	TPSG1	tryptase gamma 1	-0.754924	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0124 67	TPSG1	tryptase gamma 1	-0.210199	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0124 67	TPSG1	tryptase gamma 1	-0.010921	Inlier
siRNA Disorazole DMSO Run2	NM_0124 67	TPSG1	tryptase gamma 1	0.010922	Inlier
siRNA Disorazole DMSO Run1	NM_0124 67	TPSG1	tryptase gamma 1	0.594076	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0124 67	TPSG1	tryptase gamma 1	3.790014	Outlier
siRNA-Vinblastine Run1- DMSO	NM_0124 67	TPSG1	tryptase gamma 1	3.80621	Outlier
siRNA-Temozolomide Run2- DMSO	NM_0035 96	TPST1	tyrosylprot ein sulfotransf erase 1	-1.182503	Inlier
siRNA Disorazole DMSO Run1	NM_0035 96	TPST1	tyrosylprot ein sulfotransf erase 1	-0.449419	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0035 96	TPST1	tyrosylprot ein sulfotransf erase 1	-0.060539	Inlier
siRNA Disorazole DMSO Run3	NM_0035 96	TPST1	tyrosylprot ein sulfotransf erase 1	-0.019707	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0035 96	TPST1	tyrosylprot ein sulfotransf erase 1	0.019707	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0035 96	TPST1	tyrosylprot ein sulfotransf erase 1	0.899581	Inlier
siRNA Disorazole DMSO Run2	NM_0035 96	TPST1	tyrosylprot ein sulfotransf erase 1	1.370742	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0035 96	TPST1	tyrosylprot ein sulfotransf erase 1	2.182683	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0035 95	TPST2	tyrosylprot ein sulfotransf erase 2	-1.031995	Inlier
siRNA Disorazole DMSO Run1	NM_0035 95	TPST2	tyrosylprot ein sulfotransf erase 2	-0.776502	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0035 95	TPST2	tyrosylprot ein sulfotransf erase 2	-0.572498	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0035 95	TPST2	tyrosylprot ein sulfotransf erase 2	-0.144461	Inlier
siRNA Disorazole DMSO Run3	NM_0035 95	TPST2	tyrosylprot ein sulfotransf erase 2	0.144461	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0035 95	TPST2	tyrosylprot ein sulfotransf erase 2	0.430702	Inlier
siRNA Disorazole DMSO Run2	NM_0035 95	TPST2	tyrosylprot ein sulfotransf erase 2	0.781575	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0035 95	TPST2	tyrosylprot ein sulfotransf erase 2	1.325046	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1992 61	TPTE	transmem brane phosphata se with tensin homology	-0.899328	Inlier
siRNA Disorazole DMSO Run2	NM_1992 61	TPTE	transmem brane phosphata se with tensin homology	-0.725438	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1992 61	TPTE	transmem brane phosphata se with tensin homology	-0.623562	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_1992 61	TPTE	transmembrane phosphatase with tensin homology	-0.173799	Inlier
siRNA Disorazole DMSO Run1	NM_1992 61	TPTE	transmembrane phosphatase with tensin homology	0.173799	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1992 61	TPTE	transmembrane phosphatase with tensin homology	0.417568	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1992 61	TPTE	transmembrane phosphatase with tensin homology	0.79446	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1992 61	TPTE	transmembrane phosphatase with tensin homology	0.893005	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1992 54	TPTE2	transmembrane phosphoinositide 3-phosphatase and tensin homolog 2	-1.176251	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1992 54	TPTE2	transmembrane phosphoinositide 3-phosphatase and tensin homolog 2	-0.497241	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_1992 54	TPTE2	transmembrane phosphoinositide 3-phosphatase and tensin homolog 2	-0.234251	Inlier
siRNA Disorazole DMSO Run1	NM_1992 54	TPTE2	transmembrane phosphoinositide 3-phosphatase and tensin homolog 2	-0.136152	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1992 54	TPTE2	transmembrane phosphoinositide 3-phosphatase and tensin homolog 2	0.136152	Inlier
siRNA Disorazole DMSO Run2	NM_1992 54	TPTE2	transmembrane phosphoinositide 3-phosphatase and tensin homolog 2	0.851759	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1992 54	TPTE2	transmembrane phosphoinositide 3-phosphatase and tensin homolog 2	1.252546	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_199254	TPTE2	transmembrane phosphoinositide 3-phosphatase and tensin homolog 2	1.650701	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003299	TRA1	tumor rejection antigen (gp96) 1	-1.935184	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003299	TRA1	tumor rejection antigen (gp96) 1	-0.613427	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003299	TRA1	tumor rejection antigen (gp96) 1	-0.251235	Inlier
siRNA Disorazole DMSO Run3	NM_003299	TRA1	tumor rejection antigen (gp96) 1	-0.007077	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003299	TRA1	tumor rejection antigen (gp96) 1	0.007077	Inlier
siRNA Disorazole DMSO Run1	NM_003299	TRA1	tumor rejection antigen (gp96) 1	0.735573	Inlier
siRNA Disorazole DMSO Run2	NM_003299	TRA1	tumor rejection antigen (gp96) 1	2.662278	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003299	TRA1	tumor rejection antigen (gp96) 1	3.135614	Inlier
siRNA-Temozolomide Run3-DMSO	NM_016292	TRAP1	TNF receptor-associated protein 1	-3.741095	Outlier
siRNA-Temozolomide Run2-DMSO	NM_016292	TRAP1	TNF receptor-associated protein 1	-0.539215	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0162 92	TRAP1	TNF receptor- associated protein 1	-0.487722	Inlier
siRNA Disorazole DMSO Run1	NM_0162 92	TRAP1	TNF receptor- associated protein 1	-0.153754	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0162 92	TRAP1	TNF receptor- associated protein 1	0.153754	Inlier
siRNA Disorazole DMSO Run3	NM_0162 92	TRAP1	TNF receptor- associated protein 1	0.809785	Inlier
siRNA Disorazole DMSO Run2	NM_0162 92	TRAP1	TNF receptor- associated protein 1	3.128052	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0162 92	TRAP1	TNF receptor- associated protein 1	3.736989	Outlier trace
siRNA-Temozolomide Run3-DMSO	NM_1383 27	TRAR1	amine receptor 1	-1.191968	Inlier trace
siRNA Disorazole DMSO Run2	NM_1383 27	TRAR1	amine receptor 1	-0.76147	Inlier trace
siRNA-Temozolomide Run2-DMSO	NM_1383 27	TRAR1	amine receptor 1	-0.603881	Inlier trace
siRNA-Temozolomide Run1-DMSO	NM_1383 27	TRAR1	amine receptor 1	-0.009276	Inlier trace
siRNA Disorazole DMSO Run1	NM_1383 27	TRAR1	amine receptor 1	0.009276	Inlier trace
siRNA-Vinblastine Run2-DMSO	NM_1383 27	TRAR1	amine receptor 1	0.106476	Inlier trace
siRNA-Vinblastine Run1-DMSO	NM_1383 27	TRAR1	amine receptor 1	0.745119	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			trace		
			amine		
siRNA Disorazole DMSO Run3	NM_1383 27	TRAR1	receptor 1	1.289376	Inlier
			trace		
siRNA-Temozolomide Run3- DMSO	NM_1750 57	TRAR3	amine receptor 3	-0.878847	Inlier
			trace		
siRNA Disorazole DMSO Run3	NM_1750 57	TRAR3	amine receptor 3	-0.768273	Inlier
			trace		
siRNA Disorazole DMSO Run2	NM_1750 57	TRAR3	amine receptor 3	-0.580727	Inlier
			trace		
siRNA-Temozolomide Run1- DMSO	NM_1750 57	TRAR3	amine receptor 3	-0.174306	Inlier
			trace		
siRNA-Temozolomide Run2- DMSO	NM_1750 57	TRAR3	amine receptor 3	0.174306	Inlier
			trace		
siRNA Disorazole DMSO Run1	NM_1750 57	TRAR3	amine receptor 3	0.189764	Inlier
			trace		
siRNA-Vinblastine Run1- DMSO	NM_1750 57	TRAR3	amine receptor 3	1.125305	Inlier
			trace		
siRNA-Vinblastine Run2- DMSO	NM_1750 57	TRAR3	amine receptor 3	1.550574	Inlier
			trace		
siRNA Disorazole DMSO Run2	NM_1750 67	TRAR4	amine receptor 4	-1.536686	Inlier
			trace		
siRNA-Temozolomide Run3- DMSO	NM_1750 67	TRAR4	amine receptor 4	-0.650726	Inlier
			trace		
siRNA Disorazole DMSO Run3	NM_1750 67	TRAR4	amine receptor 4	-0.453893	Inlier
			trace		
siRNA Disorazole DMSO Run1	NM_1750 67	TRAR4	amine receptor 4	-0.059488	Inlier
			trace		
siRNA-Temozolomide Run2- DMSO	NM_1750 67	TRAR4	amine receptor 4	0.059487	Inlier
			trace		
siRNA-Temozolomide Run1- DMSO	NM_1750 67	TRAR4	amine receptor 4	0.698274	Inlier
			trace		
siRNA-Vinblastine Run1- DMSO	NM_1750 67	TRAR4	amine receptor 4	1.146617	Inlier
			trace		
siRNA-Vinblastine Run2- DMSO	NM_1750 67	TRAR4	amine receptor 4	1.343445	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Condition	Gene ID	Gene Name	Protein Description	Log Fold Change	Classification
Molecular Pharmacology siRNA-Temozolomide Run3- DMSO	NM_0532 78	TRAR5	trace amine receptor 5	-4.033505	Outlier
siRNA Disorazole DMSO Run2	NM_0532 78	TRAR5	trace amine receptor 5	-0.653824	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0532 78	TRAR5	trace amine receptor 5	-0.435662	Inlier
siRNA Disorazole DMSO Run1	NM_0532 78	TRAR5	trace amine receptor 5	-0.105247	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0532 78	TRAR5	trace amine receptor 5	0.105245	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0532 78	TRAR5	trace amine receptor 5	0.695176	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0532 78	TRAR5	trace amine receptor 5	0.698033	Inlier
siRNA Disorazole DMSO Run3	NM_0532 78	TRAR5	trace amine receptor 5	3.189861	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0071 80	TREH	trehalase (brush- border membrane glycoprotein)	-1.353612	Inlier
siRNA Disorazole DMSO Run3	NM_0071 80	TREH	trehalase (brush- border membrane glycoprotein)	-0.854627	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0071 80	TREH	trehalase (brush- border membrane glycoprotein)	-0.36588	Inlier
siRNA Disorazole DMSO Run1	NM_0071 80	TREH	trehalase (brush- border membrane glycoprotein)	-0.223491	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_007180	TREH	trehalase (brush-border membrane glycoprotein)	0.223491	Inlier
siRNA-Temozolomide Run1-DMSO	NM_007180	TREH	trehalase (brush-border membrane glycoprotein)	0.499083	Inlier
siRNA Disorazole DMSO Run2	NM_007180	TREH	trehalase (brush-border membrane glycoprotein)	0.849917	Inlier
siRNA-Vinblastine Run1-DMSO	NM_007180	TREH	trehalase (brush-border membrane glycoprotein)	1.349926	Inlier
siRNA-Temozolomide Run3-DMSO	NM_018643	TREM1	triggering receptor expressed on myeloid cells 1	-1.095118	Inlier
siRNA-Temozolomide Run2-DMSO	NM_018643	TREM1	triggering receptor expressed on myeloid cells 1	-0.663276	Inlier
siRNA-Vinblastine Run2-DMSO	NM_018643	TREM1	triggering receptor expressed on myeloid cells 1	-0.628538	Inlier
siRNA Disorazole DMSO Run3	NM_018643	TREM1	triggering receptor expressed on myeloid cells 1	-0.007499	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0186 43	TREM1	triggering receptor expressed on myeloid cells 1	0.007499 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0186 43	TREM1	triggering receptor expressed on myeloid cells 1	0.685724 Inlier
siRNA Disorazole DMSO Run2	NM_0186 43	TREM1	triggering receptor expressed on myeloid cells 1	2.081526 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0186 43	TREM1	triggering receptor expressed on myeloid cells 1	2.312168 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0189 65	TREM2	triggering receptor expressed on myeloid cells 2	-1.534801 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0189 65	TREM2	triggering receptor expressed on myeloid cells 2	-0.624513 Inlier
siRNA Disorazole DMSO Run3	NM_0189 65	TREM2	triggering receptor expressed on myeloid cells 2	-0.456038 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0189 65	TREM2	triggering receptor expressed on myeloid cells 2	-0.09729 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0189 65	TREM2	triggering receptor expressed on myeloid cells 2	0.09729 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0189 65	TREM2	triggering receptor expressed on myeloid cells 2	0.724487 Inlier
siRNA Disorazole DMSO Run2	NM_0189 65	TREM2	triggering receptor expressed on myeloid cells 2	1.000897 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0189 65	TREM2	triggering receptor expressed on myeloid cells 2	1.622527 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0335 01	TRERF1	transcripti onal regulating factor 1	-0.80878 Inlier
siRNA Disorazole DMSO Run2	NM_0335 01	TRERF1	transcripti onal regulating factor 1	-0.8053 Inlier
siRNA Disorazole DMSO Run3	NM_0335 01	TRERF1	transcripti onal regulating factor 1	-0.317766 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0335 01	TRERF1	transcripti onal regulating factor 1	-0.250329 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0335 01	TRERF1	transcripti onal regulating factor 1	0.250329 Inlier
siRNA Disorazole DMSO Run1	NM_0335 01	TRERF1	transcripti onal regulating factor 1	0.5437 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0335 01	TRERF1	transcripti onal regulating factor 1	1.449562 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Gene	Function	Score	Outlier
siRNA-Vinblastine Run2-DMSO	NM_033501	TRETF1	transcriptional regulating factor 1	1.841222	Inlier
siRNA-Temozolomide Run3-DMSO	NM_181840	TRESK-2	potassium channel, subfamily K, member 18	-1.290642	Inlier
siRNA-Temozolomide Run2-DMSO	NM_181840	TRESK-2	potassium channel, subfamily K, member 18	-0.971617	Inlier
siRNA-Temozolomide Run1-DMSO	NM_181840	TRESK-2	potassium channel, subfamily K, member 18	-0.419951	Inlier
siRNA Disorazole DMSO Run3	NM_181840	TRESK-2	potassium channel, subfamily K, member 18	-0.25989	Inlier
siRNA Disorazole DMSO Run2	NM_181840	TRESK-2	potassium channel, subfamily K, member 18	0.25989	Inlier
siRNA Disorazole DMSO Run1	NM_181840	TRESK-2	potassium channel, subfamily K, member 18	0.301149	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_1818 40	TRESK-2	potassium channel, subfamily K, member 18	0.929049	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1818 40	TRESK-2	potassium channel, subfamily K, member 18	1.185424	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1303 84	TREX1	three prime repair exonuclease 1	-1.162915	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1303 84	TREX1	three prime repair exonuclease 1	-0.713934	Inlier
siRNA Disorazole DMSO Run2	NM_1303 84	TREX1	three prime repair exonuclease 1	-0.635066	Inlier
siRNA Disorazole DMSO Run3	NM_1303 84	TREX1	three prime repair exonuclease 1	-0.017318	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1303 84	TREX1	three prime repair exonuclease 1	0.017318	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1303 84	TREX1	three prime repair exonuclease 1	0.324523	Inlier
siRNA Disorazole DMSO Run1	NM_1303 84	TREX1	three prime repair exonuclease 1	1.461605	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_130384	TREX1	three prime repair exonuclease 1	1.85122	Inlier
siRNA-Temozolomide Run3-DMSO	NM_080701	TREX2	three prime repair exonuclease 2	-1.464243	Inlier
siRNA-Vinblastine Run2-DMSO	NM_080701	TREX2	three prime repair exonuclease 2	-0.685864	Inlier
siRNA-Temozolomide Run2-DMSO	NM_080701	TREX2	three prime repair exonuclease 2	-0.663136	Inlier
siRNA Disorazole DMSO Run3	NM_080701	TREX2	three prime repair exonuclease 2	-0.174997	Inlier
siRNA-Temozolomide Run1-DMSO	NM_080701	TREX2	three prime repair exonuclease 2	0.174997	Inlier
siRNA Disorazole DMSO Run1	NM_080701	TREX2	three prime repair exonuclease 2	0.246704	Inlier
siRNA Disorazole DMSO Run2	NM_080701	TREX2	three prime repair exonuclease 2	1.911777	Inlier
siRNA-Vinblastine Run1-DMSO	NM_080701	TREX2	three prime repair exonuclease 2	2.056699	Inlier
siRNA-Temozolomide Run3-DMSO	NM_013381	TRHDE	thyrotropin-releasing hormone degrading enzyme	-1.137499	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0133 81	TRHDE	thyrotropin-releasing hormone degrading enzyme	-0.69473 Inlier
siRNA Disorazole DMSO Run3	NM_0133 81	TRHDE	thyrotropin-releasing hormone degrading enzyme	-0.608773 Inlier
siRNA Disorazole DMSO Run2	NM_0133 81	TRHDE	thyrotropin-releasing hormone degrading enzyme	-0.090528 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0133 81	TRHDE	thyrotropin-releasing hormone degrading enzyme	0.090528 Inlier
siRNA Disorazole DMSO Run1	NM_0133 81	TRHDE	thyrotropin-releasing hormone degrading enzyme	0.65427 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0133 81	TRHDE	thyrotropin-releasing hormone degrading enzyme	1.376392 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0133 81	TRHDE	thyrotropin-releasing hormone degrading enzyme	1.501265 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0033 01	TRHR	thyrotropin-releasing hormone receptor	-2.57101 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0033 01	TRHR	thyrotropin-releasing hormone receptor	-1.920535 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0033 01	TRHR	thyrotropin-releasing hormone receptor	-1.134725	Inlier
siRNA Disorazole DMSO Run3	NM_0033 01	TRHR	thyrotropin-releasing hormone receptor	-0.18861	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0033 01	TRHR	thyrotropin-releasing hormone receptor	0.18861	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0033 01	TRHR	thyrotropin-releasing hormone receptor	0.421779	Inlier
siRNA Disorazole DMSO Run1	NM_0033 01	TRHR	thyrotropin-releasing hormone receptor	0.429129	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0033 01	TRHR	thyrotropin-releasing hormone receptor	0.919871	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0251 95	TRIB1	tribbles homolog 1 (Drosophila)	-4.896986	Outlier
siRNA-Vinblastine Run1-DMSO	NM_0251 95	TRIB1	tribbles homolog 1 (Drosophila)	-2.533019	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0251 95	TRIB1	tribbles homolog 1 (Drosophila)	-0.482777	Inlier
siRNA Disorazole DMSO Run3	NM_0251 95	TRIB1	tribbles homolog 1 (Drosophila)	-0.091003	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0251 95	TRIB1	tribbles homolog 1 (Drosophila)	0.091003 Inlier
siRNA Disorazole DMSO Run1	NM_0251 95	TRIB1	tribbles homolog 1 (Drosophila)	0.100463 Inlier
siRNA Disorazole DMSO Run2	NM_0251 95	TRIB1	tribbles homolog 1 (Drosophila)	0.866223 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0251 95	TRIB1	tribbles homolog 1 (Drosophila)	1.584819 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0216 43	TRIB2	tribbles homolog 2 (Drosophila)	-0.891213 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0216 43	TRIB2	tribbles homolog 2 (Drosophila)	-0.50288 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0216 43	TRIB2	tribbles homolog 2 (Drosophila)	-0.22436 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0216 43	TRIB2	tribbles homolog 2 (Drosophila)	-0.092297 Inlier
siRNA Disorazole DMSO Run1	NM_0216 43	TRIB2	tribbles homolog 2 (Drosophila)	0.092296 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0216 43	TRIB2	tribbles homolog 2 (Drosophila)	0.84612 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0216 43	TRIB2	tribbles homolog 2 (Drosophil a)	1.110037 Inlier
siRNA Disorazole DMSO Run2	NM_0216 43	TRIB2	tribbles homolog 2 (Drosophil a)	1.367307 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0211 58	TRIB3	tribbles homolog 3 (Drosophil a)	-0.948048 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0211 58	TRIB3	tribbles homolog 3 (Drosophil a)	-0.400952 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0211 58	TRIB3	tribbles homolog 3 (Drosophil a)	-0.286032 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0211 58	TRIB3	tribbles homolog 3 (Drosophil a)	-0.267956 Inlier
siRNA Disorazole DMSO Run1	NM_0211 58	TRIB3	tribbles homolog 3 (Drosophil a)	0.267956 Inlier
siRNA Disorazole DMSO Run2	NM_0211 58	TRIB3	tribbles homolog 3 (Drosophil a)	1.077664 Inlier
siRNA Disorazole DMSO Run3	NM_0211 58	TRIB3	tribbles homolog 3 (Drosophil a)	1.48912 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0211 58	TRIB3	tribbles homolog 3 (Drosophil a)	2.30031 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_1452 14	TRIM11	tripartite motif-containing 11	-1.645557	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1452 14	TRIM11	tripartite motif-containing 11	-1.104476	Inlier
siRNA Disorazole DMSO Run3	NM_1452 14	TRIM11	tripartite motif-containing 11	-0.244524	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1452 14	TRIM11	tripartite motif-containing 11	-0.079574	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1452 14	TRIM11	tripartite motif-containing 11	0.079574	Inlier
siRNA Disorazole DMSO Run1	NM_1452 14	TRIM11	tripartite motif-containing 11	0.08105	Inlier
siRNA Disorazole DMSO Run2	NM_1452 14	TRIM11	tripartite motif-containing 11	1.4786	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1452 14	TRIM11	tripartite motif-containing 11	1.525376	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0064 70	TRIM16	tripartite motif-containing 16	-1.926582	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0064 70	TRIM16	tripartite motif-containing 16	-1.035939	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0064 70	TRIM16	tripartite motif-containing 16	-0.240501	Inlier
siRNA Disorazole DMSO Run3	NM_0064 70	TRIM16	tripartite motif-containing 16	-0.039581	Inlier
siRNA Disorazole DMSO Run1	NM_0064 70	TRIM16	tripartite motif-containing 16	0.039581	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene	Tripartite Motif	Score	Outlier Status
siRNA-Temozolomide Run1-DMSO	NM_006470	TRIM16	tripartite motif-containing 16	0.31306	Inlier
siRNA Disorazole DMSO Run2	NM_006470	TRIM16	tripartite motif-containing 16	1.172975	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006470	TRIM16	tripartite motif-containing 16	2.25207	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001656	TRIM23	tripartite motif-containing 23	-2.260507	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001656	TRIM23	tripartite motif-containing 23	-0.74126	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001656	TRIM23	tripartite motif-containing 23	-0.60774	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001656	TRIM23	tripartite motif-containing 23	-0.040327	Inlier
siRNA Disorazole DMSO Run3	NM_001656	TRIM23	tripartite motif-containing 23	0.040326	Inlier
siRNA Disorazole DMSO Run1	NM_001656	TRIM23	tripartite motif-containing 23	0.581433	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001656	TRIM23	tripartite motif-containing 23	0.875462	Inlier
siRNA Disorazole DMSO Run2	NM_001656	TRIM23	tripartite motif-containing 23	1.617797	Inlier
siRNA-Temozolomide Run2-DMSO	NM_005082	TRIM25	tripartite motif-containing 25	-1.841102	Inlier
siRNA-Temozolomide Run3-DMSO	NM_005082	TRIM25	tripartite motif-containing 25	-1.75616	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0050 82	TRIM25	tripartite motif-containing 25	-0.39617	Inlier
siRNA Disorazole DMSO Run1	NM_0050 82	TRIM25	tripartite motif-containing 25	-0.037568	Inlier
siRNA Disorazole DMSO Run3	NM_0050 82	TRIM25	tripartite motif-containing 25	0.037568	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0050 82	TRIM25	tripartite motif-containing 25	0.040056	Inlier
siRNA Disorazole DMSO Run2	NM_0050 82	TRIM25	tripartite motif-containing 25	0.95283	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0050 82	TRIM25	tripartite motif-containing 25	1.63227	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0057 62	TRIM28	tripartite motif-containing 28	-1.12915	Inlier
siRNA Disorazole DMSO Run2	NM_0057 62	TRIM28	tripartite motif-containing 28	-0.872002	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0057 62	TRIM28	tripartite motif-containing 28	-0.039973	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0057 62	TRIM28	tripartite motif-containing 28	-0.014557	Inlier
siRNA Disorazole DMSO Run3	NM_0057 62	TRIM28	tripartite motif-containing 28	0.014557	Inlier
siRNA Disorazole DMSO Run1	NM_0057 62	TRIM28	tripartite motif-containing 28	0.476998	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0057 62	TRIM28	tripartite motif-containing 28	1.228044	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0057 62	TRIM28	tripartite motif-containing 28	1.372534	Inlier
siRNA Disorazole DMSO Run2	NM_0330 20	TRIM33	tripartite motif-containing 33	-4.706584	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0330 20	TRIM33	tripartite motif-containing 33	-3.063927	Inlier
siRNA Disorazole DMSO Run3	NM_0330 20	TRIM33	tripartite motif-containing 33	-2.109057	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0330 20	TRIM33	tripartite motif-containing 33	-0.024165	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0330 20	TRIM33	tripartite motif-containing 33	0.024166	Inlier
siRNA Disorazole DMSO Run1	NM_0330 20	TRIM33	tripartite motif-containing 33	0.347431	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0330 20	TRIM33	tripartite motif-containing 33	0.636591	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0330 20	TRIM33	tripartite motif-containing 33	0.712409	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0187 00	TRIM36	tripartite motif-containing 36	-0.785247	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0187 00	TRIM36	tripartite motif-containing 36	-0.752954	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0187 00	TRIM36	tripartite motif-containing 36	-0.596046	Inlier
siRNA Disorazole DMSO Run3	NM_0187 00	TRIM36	tripartite motif-containing 36	-0.240414	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0187 00	TRIM36	tripartite motif- containing 36	0.240414	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0187 00	TRIM36	tripartite motif- containing 36	0.249142	Inlier
siRNA Disorazole DMSO Run2	NM_0187 00	TRIM36	tripartite motif- containing 36	1.03459	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0187 00	TRIM36	tripartite motif- containing 36	1.415191	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1781 25	TRIM50A	tripartite motif- containing 50A	-1.442668	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1781 25	TRIM50A	tripartite motif- containing 50A	-0.99982	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1781 25	TRIM50A	tripartite motif- containing 50A	-0.2261	Inlier
siRNA Disorazole DMSO Run3	NM_1781 25	TRIM50A	tripartite motif- containing 50A	-0.032241	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1781 25	TRIM50A	tripartite motif- containing 50A	0.032241	Inlier
siRNA Disorazole DMSO Run1	NM_1781 25	TRIM50A	tripartite motif- containing 50A	0.34918	Inlier
siRNA Disorazole DMSO Run2	NM_1781 25	TRIM50A	tripartite motif- containing 50A	1.499465	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1781 25	TRIM50A	tripartite motif- containing 50A	2.439023	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0326 81	TRIM51	tripartite motif- containing 51	-2.962999	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0326 81	TRIM51	tripartite motif-containing 51	-1.071203	Inlier
siRNA Disorazole DMSO Run1	NM_0326 81	TRIM51	tripartite motif-containing 51	-0.277797	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0326 81	TRIM51	tripartite motif-containing 51	-0.027256	Inlier
siRNA Disorazole DMSO Run3	NM_0326 81	TRIM51	tripartite motif-containing 51	0.027256	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0326 81	TRIM51	tripartite motif-containing 51	0.050312	Inlier
siRNA Disorazole DMSO Run2	NM_0326 81	TRIM51	tripartite motif-containing 51	2.087081	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0326 81	TRIM51	tripartite motif-containing 51	3.325251	Inlier
siRNA Disorazole DMSO Run2	NM_0071 18	TRIO	triple functional domain (PTPRF interacting)	-0.737872	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0071 18	TRIO	triple functional domain (PTPRF interacting)	-0.611128	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0071 18	TRIO	triple functional domain (PTPRF interacting)	-0.508561	Inlier
siRNA Disorazole DMSO Run3	NM_0071 18	TRIO	triple functional domain (PTPRF interacting)	-0.393445	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0071 18	TRIO	triple functional domain (PTPRF interacting)	0.393445	Inlier
siRNA Disorazole DMSO Run1	NM_0071 18	TRIO	triple functional domain (PTPRF interacting)	0.89857	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0071 18	TRIO	triple functional domain (PTPRF interacting)	1.337262	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0071 18	TRIO	triple functional domain (PTPRF interacting)	2.182422	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0042 38	TRIP12	thyroid hormone receptor interactor 12	-1.222165	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0042 38	TRIP12	thyroid hormone receptor interactor 12	-0.789294	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0042 38	TRIP12	thyroid hormone receptor interactor 12	-0.559706	Inlier
siRNA Disorazole DMSO Run3	NM_0042 38	TRIP12	thyroid hormone receptor interactor 12	-0.273405	Inlier
siRNA Disorazole DMSO Run2	NM_0042 38	TRIP12	thyroid hormone receptor interactor 12	0.273405	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	TRIP	Value	Category
siRNA Disorazole DMSO Run1	NM_0042 38	TRIP12	12	0.328655 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0042 38	TRIP12	12	0.858416 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0042 38	TRIP12	12	1.1866 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0047 73	TRIP3	3	-1.727447 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0047 73	TRIP3	3	-0.969314 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0047 73	TRIP3	3	-0.344898 Inlier
siRNA Disorazole DMSO Run1	NM_0047 73	TRIP3	3	-0.012037 Inlier
siRNA Disorazole DMSO Run2	NM_0047 73	TRIP3	3	0.012037 Inlier
siRNA Disorazole DMSO Run3	NM_0047 73	TRIP3	3	0.379686 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0047 73	TRIP3	3	2.078785 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0047 73	TRIP3	thyroid hormone receptor interactor 3	2.780978	Inlier
siRNA Disorazole DMSO Run2	NM_0162 13	TRIP4	thyroid hormone receptor interactor 4	-0.955236	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0162 13	TRIP4	thyroid hormone receptor interactor 4	-0.735227	Inlier
siRNA Disorazole DMSO Run3	NM_0162 13	TRIP4	thyroid hormone receptor interactor 4	-0.613773	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0162 13	TRIP4	thyroid hormone receptor interactor 4	-0.055266	Inlier
siRNA Disorazole DMSO Run1	NM_0162 13	TRIP4	thyroid hormone receptor interactor 4	0.055267	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0162 13	TRIP4	thyroid hormone receptor interactor 4	0.073798	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0162 13	TRIP4	thyroid hormone receptor interactor 4	0.773626	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0162 13	TRIP4	thyroid hormone receptor interactor 4	0.874417	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0176 46	TRIT1	tRNA isopentenyltransferase 1	-2.327847	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0176 46	TRIT1	tRNA isopenteny ltransferas e 1	-2.288841	Inlier
siRNA Disorazole DMSO Run1	NM_0176 46	TRIT1	tRNA isopenteny ltransferas e 1	-1.504591	Inlier
siRNA Disorazole DMSO Run3	NM_0176 46	TRIT1	tRNA isopenteny ltransferas e 1	-0.056161	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0176 46	TRIT1	tRNA isopenteny ltransferas e 1	0.056161	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0176 46	TRIT1	tRNA isopenteny ltransferas e 1	0.079827	Inlier
siRNA Disorazole DMSO Run2	NM_0176 46	TRIT1	tRNA isopenteny ltransferas e 1	0.386261	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0176 46	TRIT1	tRNA isopenteny ltransferas e 1	0.962739	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1829 16	TRNT1	tRNA nucleotidyl transferas e, CCA- adding, 1	-1.326992	Inlier
siRNA Disorazole DMSO Run1	NM_1829 16	TRNT1	tRNA nucleotidyl transferas e, CCA- adding, 1	-0.702336	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1829 16	TRNT1	tRNA nucleotidyl transferas e, CCA- adding, 1	-0.232298	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1829 16	TRNT1	tRNA nucleotidyl transferas e, CCA- adding, 1	-0.14055	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_1829 16	TRNT1	tRNA nucleotidyl transferase, CCA- adding, 1	0.14055 Inlier
siRNA Disorazole DMSO Run3	NM_1829 16	TRNT1	tRNA nucleotidyl transferase, CCA- adding, 1	0.646664 Inlier
siRNA Disorazole DMSO Run2	NM_1829 16	TRNT1	tRNA nucleotidyl transferase, CCA- adding, 1	1.826379 Inlier
siRNA-Vinblastine Run1-DMSO	NM_1829 16	TRNT1	tRNA nucleotidyl transferase, CCA- adding, 1	3.200009 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0073 32	TRPA1	transient receptor potential cation channel, subfamily A, member 1	-1.21781 Inlier
siRNA Disorazole DMSO Run3	NM_0073 32	TRPA1	transient receptor potential cation channel, subfamily A, member 1	-0.881217 Inlier
siRNA Disorazole DMSO Run2	NM_0073 32	TRPA1	transient receptor potential cation channel, subfamily A, member 1	-0.467783 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_007332	TRPA1	transient receptor potential cation channel, subfamily A, member 1	-0.111068	Inlier
siRNA Disorazole DMSO Run1	NM_007332	TRPA1	transient receptor potential cation channel, subfamily A, member 1	0.111068	Inlier
siRNA-Temozolomide Run1-DMSO	NM_007332	TRPA1	transient receptor potential cation channel, subfamily A, member 1	0.206965	Inlier
siRNA-Vinblastine Run1-DMSO	NM_007332	TRPA1	transient receptor potential cation channel, subfamily A, member 1	1.00779	Inlier
siRNA-Vinblastine Run2-DMSO	NM_007332	TRPA1	transient receptor potential cation channel, subfamily A, member 1	1.201555	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003304	TRPC1	transient receptor potential cation channel, subfamily C, member 1	-6.073033	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0033 04	TRPC1	transient receptor potential cation channel, subfamily C, member 1	-2.050246	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0033 04	TRPC1	transient receptor potential cation channel, subfamily C, member 1	-0.789059	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0033 04	TRPC1	transient receptor potential cation channel, subfamily C, member 1	-0.038032	Inlier
siRNA Disorazole DMSO Run3	NM_0033 04	TRPC1	transient receptor potential cation channel, subfamily C, member 1	0.038032	Inlier
siRNA Disorazole DMSO Run2	NM_0033 04	TRPC1	transient receptor potential cation channel, subfamily C, member 1	0.123264	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0033 04	TRPC1	transient receptor potential cation channel, subfamily C, member 1	0.559941	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_003304	TRPC1	transient receptor potential cation channel, subfamily C, member 1	2.027744	Inlier
siRNA Disorazole DMSO Run1	NM_003305	TRPC3	transient receptor potential cation channel, subfamily C, member 3	-0.979274	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003305	TRPC3	transient receptor potential cation channel, subfamily C, member 3	-0.545729	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003305	TRPC3	transient receptor potential cation channel, subfamily C, member 3	-0.501283	Inlier
siRNA Disorazole DMSO Run2	NM_003305	TRPC3	transient receptor potential cation channel, subfamily C, member 3	-0.433167	Inlier
siRNA Disorazole DMSO Run3	NM_003305	TRPC3	transient receptor potential cation channel, subfamily C, member 3	0.433167	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_003305	TRPC3	transient receptor potential cation channel, subfamily C, member 3	0.803271	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003305	TRPC3	transient receptor potential cation channel, subfamily C, member 3	1.163292	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003305	TRPC3	transient receptor potential cation channel, subfamily C, member 3	1.401094	Inlier
siRNA Disorazole DMSO Run1	NM_016179	TRPC4	transient receptor potential cation channel, subfamily C, member 4	-0.905588	Inlier
siRNA-Vinblastine Run2-DMSO	NM_016179	TRPC4	transient receptor potential cation channel, subfamily C, member 4	-0.497759	Inlier
siRNA-Temozolomide Run1-DMSO	NM_016179	TRPC4	transient receptor potential cation channel, subfamily C, member 4	-0.220741	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_016179	TRPC4	transient receptor potential cation channel, subfamily C, member 4	-0.096526	Inlier
siRNA-Temozolomide Run2-DMSO	NM_016179	TRPC4	transient receptor potential cation channel, subfamily C, member 4	0.096526	Inlier
siRNA-Vinblastine Run1-DMSO	NM_016179	TRPC4	transient receptor potential cation channel, subfamily C, member 4	0.851241	Inlier
siRNA Disorazole DMSO Run2	NM_016179	TRPC4	transient receptor potential cation channel, subfamily C, member 4	1.6066	Inlier
siRNA Disorazole DMSO Run3	NM_016179	TRPC4	transient receptor potential cation channel, subfamily C, member 4	2.235648	Inlier
siRNA-Temozolomide Run2-DMSO	NM_199368	TRPC4AP	transient receptor potential cation channel, subfamily C, member 4 associated protein	-0.992471	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_199368	TRPC4AP	transient receptor potential cation channel, subfamily C, member 4 associated protein	-0.71138	Inlier
siRNA Disorazole DMSO Run1	NM_199368	TRPC4AP	transient receptor potential cation channel, subfamily C, member 4 associated protein	-0.637619	Inlier
siRNA-Vinblastine Run2-DMSO	NM_199368	TRPC4AP	transient receptor potential cation channel, subfamily C, member 4 associated protein	-0.022387	Inlier
siRNA-Vinblastine Run1-DMSO	NM_199368	TRPC4AP	transient receptor potential cation channel, subfamily C, member 4 associated protein	0.022387	Inlier
siRNA-Temozolomide Run3-DMSO	NM_199368	TRPC4AP	transient receptor potential cation channel, subfamily C, member 4 associated protein	0.266644	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_1993 68	TRPC4AP	transient receptor potential cation channel, subfamily C, member 4 associated protein	0.882358	Inlier
siRNA Disorazole DMSO Run3	NM_1993 68	TRPC4AP	transient receptor potential cation channel, subfamily C, member 4 associated protein	1.247749	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0124 71	TRPC5	transient receptor potential cation channel, subfamily C, member 5	-11.07772	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0124 71	TRPC5	transient receptor potential cation channel, subfamily C, member 5	-0.727224	Inlier
siRNA Disorazole DMSO Run1	NM_0124 71	TRPC5	transient receptor potential cation channel, subfamily C, member 5	-0.504908	Inlier
siRNA Disorazole DMSO Run2	NM_0124 71	TRPC5	transient receptor potential cation channel, subfamily C, member 5	-0.353734	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0124 71	TRPC5	transient receptor potential cation channel, subfamily C, member 5	0.353732	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0124 71	TRPC5	transient receptor potential cation channel, subfamily C, member 5	0.621776	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0124 71	TRPC5	transient receptor potential cation channel, subfamily C, member 5	3.161216	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0124 71	TRPC5	transient receptor potential cation channel, subfamily C, member 5	4.411567	Outlier
siRNA-Temozolomide Run3- DMSO	NM_0046 21	TRPC6	transient receptor potential cation channel, subfamily C, member 6	-4.57821	Outlier
siRNA-Temozolomide Run2- DMSO	NM_0046 21	TRPC6	transient receptor potential cation channel, subfamily C, member 6	-0.533801	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0046 21	TRPC6	transient receptor potential cation channel, subfamily C, member 6	-0.476238	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0046 21	TRPC6	transient receptor potential cation channel, subfamily C, member 6	-0.124032	Inlier
siRNA Disorazole DMSO Run3	NM_0046 21	TRPC6	transient receptor potential cation channel, subfamily C, member 6	0.124032	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0046 21	TRPC6	transient receptor potential cation channel, subfamily C, member 6	0.815199	Inlier
siRNA Disorazole DMSO Run2	NM_0046 21	TRPC6	transient receptor potential cation channel, subfamily C, member 6	0.85777	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0046 21	TRPC6	transient receptor potential cation channel, subfamily C, member 6	0.969049	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_020389	TRPC7	transient receptor potential cation channel, subfamily C, member 7	-2.185174	Inlier
siRNA Disorazole DMSO Run3	NM_020389	TRPC7	transient receptor potential cation channel, subfamily C, member 7	-1.158991	Inlier
siRNA-Temozolomide Run2-DMSO	NM_020389	TRPC7	transient receptor potential cation channel, subfamily C, member 7	-0.253753	Inlier
siRNA Disorazole DMSO Run1	NM_020389	TRPC7	transient receptor potential cation channel, subfamily C, member 7	-0.154806	Inlier
siRNA-Temozolomide Run1-DMSO	NM_020389	TRPC7	transient receptor potential cation channel, subfamily C, member 7	0.154806	Inlier
siRNA-Vinblastine Run2-DMSO	NM_020389	TRPC7	transient receptor potential cation channel, subfamily C, member 7	0.521851	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_020389	TRPC7	transient receptor potential cation channel, subfamily C, member 7	0.827149	Inlier
siRNA Disorazole DMSO Run2	NM_020389	TRPC7	transient receptor potential cation channel, subfamily C, member 7	3.004896	Inlier
siRNA-Temozolomide Run3-DMSO	NM_002420	TRPM1	transient receptor potential cation channel, subfamily M, member 1	-1.223438	Inlier
siRNA-Temozolomide Run2-DMSO	NM_002420	TRPM1	transient receptor potential cation channel, subfamily M, member 1	-0.74815	Inlier
siRNA Disorazole DMSO Run3	NM_002420	TRPM1	transient receptor potential cation channel, subfamily M, member 1	-0.60085	Inlier
siRNA Disorazole DMSO Run1	NM_002420	TRPM1	transient receptor potential cation channel, subfamily M, member 1	-0.195333	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0024 20	TRPM1	transient receptor potential cation channel, subfamily M, member 1	0.195334	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0024 20	TRPM1	transient receptor potential cation channel, subfamily M, member 1	0.424429	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0024 20	TRPM1	transient receptor potential cation channel, subfamily M, member 1	0.814851	Inlier
siRNA Disorazole DMSO Run2	NM_0024 20	TRPM1	transient receptor potential cation channel, subfamily M, member 1	2.110869	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0033 07	TRPM2	transient receptor potential cation channel, subfamily M, member 2	-1.169612	Inlier
siRNA Disorazole DMSO Run3	NM_0033 07	TRPM2	transient receptor potential cation channel, subfamily M, member 2	-0.721931	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0033 07	TRPM2	transient receptor potential cation channel, subfamily M, member 2	-0.627069	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0033 07	TRPM2	transient receptor potential cation channel, subfamily M, member 2	-0.155946	Inlier
siRNA Disorazole DMSO Run1	NM_0033 07	TRPM2	transient receptor potential cation channel, subfamily M, member 2	0.155946	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0033 07	TRPM2	transient receptor potential cation channel, subfamily M, member 2	0.495851	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0033 07	TRPM2	transient receptor potential cation channel, subfamily M, member 2	1.306993	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0033 07	TRPM2	transient receptor potential cation channel, subfamily M, member 2	1.38764	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_2069 48	TRPM3	transient receptor potential cation channel, subfamily M, member 3	-1.20748	Inlier
siRNA-Temozolomide Run2- DMSO	NM_2069 48	TRPM3	transient receptor potential cation channel, subfamily M, member 3	-1.195354	Inlier
siRNA-Temozolomide Run3- DMSO	NM_2069 48	TRPM3	transient receptor potential cation channel, subfamily M, member 3	-1.143257	Inlier
siRNA Disorazole DMSO Run3	NM_2069 48	TRPM3	transient receptor potential cation channel, subfamily M, member 3	-0.34252	Inlier
siRNA-Temozolomide Run1- DMSO	NM_2069 48	TRPM3	transient receptor potential cation channel, subfamily M, member 3	0.34252	Inlier
siRNA-Vinblastine Run2- DMSO	NM_2069 48	TRPM3	transient receptor potential cation channel, subfamily M, member 3	0.433575	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_2069 48	TRPM3	transient receptor potential cation channel, subfamily M, member 3	0.490405	Inlier
siRNA Disorazole DMSO Run1	NM_2069 48	TRPM3	transient receptor potential cation channel, subfamily M, member 3	0.858595	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0176 36	TRPM4	transient receptor potential cation channel, subfamily M, member 4	-0.853332	Inlier
siRNA Disorazole DMSO Run2	NM_0176 36	TRPM4	transient receptor potential cation channel, subfamily M, member 4	-0.750185	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0176 36	TRPM4	transient receptor potential cation channel, subfamily M, member 4	-0.681725	Inlier
siRNA Disorazole DMSO Run3	NM_0176 36	TRPM4	transient receptor potential cation channel, subfamily M, member 4	-0.012098	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Value	Outlier Status
siRNA Disorazole DMSO Run1	NM_0176 36	TRPM4	transient receptor potential cation channel, subfamily M, member 4	0.012098	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0176 36	TRPM4	transient receptor potential cation channel, subfamily M, member 4	0.20197	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0176 36	TRPM4	transient receptor potential cation channel, subfamily M, member 4	0.667275	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0176 36	TRPM4	transient receptor potential cation channel, subfamily M, member 4	0.897266	Inlier
siRNA Disorazole DMSO Run2	NM_0145 55	TRPM5	transient receptor potential cation channel, subfamily M, member 5	-1.35034	Inlier
siRNA Disorazole DMSO Run3	NM_0145 55	TRPM5	transient receptor potential cation channel, subfamily M, member 5	-0.766128	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Score	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_014555	TRPM5	transient receptor potential cation channel, subfamily M, member 5	-0.704456	Inlier
siRNA-Temozolomide Run3-DMSO	NM_014555	TRPM5	transient receptor potential cation channel, subfamily M, member 5	-0.273287	Inlier
siRNA Disorazole DMSO Run1	NM_014555	TRPM5	transient receptor potential cation channel, subfamily M, member 5	0.273287	Inlier
siRNA-Temozolomide Run1-DMSO	NM_014555	TRPM5	transient receptor potential cation channel, subfamily M, member 5	0.496397	Inlier
siRNA-Vinblastine Run2-DMSO	NM_014555	TRPM5	transient receptor potential cation channel, subfamily M, member 5	0.644544	Inlier
siRNA-Vinblastine Run1-DMSO	NM_014555	TRPM5	transient receptor potential cation channel, subfamily M, member 5	0.836604	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0176 62	TRPM6	transient receptor potential cation channel, subfamily M, member 6	-1.477075	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0176 62	TRPM6	transient receptor potential cation channel, subfamily M, member 6	-0.800999	Inlier
siRNA Disorazole DMSO Run1	NM_0176 62	TRPM6	transient receptor potential cation channel, subfamily M, member 6	-0.437718	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0176 62	TRPM6	transient receptor potential cation channel, subfamily M, member 6	-0.42733	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0176 62	TRPM6	transient receptor potential cation channel, subfamily M, member 6	0.42733	Inlier
siRNA Disorazole DMSO Run2	NM_0176 62	TRPM6	transient receptor potential cation channel, subfamily M, member 6	0.548001	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_017662	TRPM6	transient receptor potential cation channel, subfamily M, member 6	0.941736	Inlier
siRNA-Vinblastine Run2-DMSO	NM_017662	TRPM6	transient receptor potential cation channel, subfamily M, member 6	1.470582	Inlier
siRNA Disorazole DMSO Run2	NM_017672	TRPM7	transient receptor potential cation channel, subfamily M, member 7	-1.307652	Inlier
siRNA-Temozolomide Run3-DMSO	NM_017672	TRPM7	transient receptor potential cation channel, subfamily M, member 7	-0.746691	Inlier
siRNA Disorazole DMSO Run1	NM_017672	TRPM7	transient receptor potential cation channel, subfamily M, member 7	-0.468307	Inlier
siRNA-Temozolomide Run2-DMSO	NM_017672	TRPM7	transient receptor potential cation channel, subfamily M, member 7	-0.186018	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0176 72	TRPM7	transient receptor potential cation channel, subfamily M, member 7	0.186018	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0176 72	TRPM7	transient receptor potential cation channel, subfamily M, member 7	0.602309	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0176 72	TRPM7	transient receptor potential cation channel, subfamily M, member 7	1.898217	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0176 72	TRPM7	transient receptor potential cation channel, subfamily M, member 7	2.604385	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0240 80	TRPM8	transient receptor potential cation channel, subfamily M, member 8	-4.691209	Outlier
siRNA Disorazole DMSO Run1	NM_0240 80	TRPM8	transient receptor potential cation channel, subfamily M, member 8	-0.827318	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_024080	TRPM8	transient receptor potential cation channel, subfamily M, member 8	-0.349406	Inlier
siRNA-Temozolomide Run1-DMSO	NM_024080	TRPM8	transient receptor potential cation channel, subfamily M, member 8	-0.273998	Inlier
siRNA Disorazole DMSO Run3	NM_024080	TRPM8	transient receptor potential cation channel, subfamily M, member 8	0.273998	Inlier
siRNA Disorazole DMSO Run2	NM_024080	TRPM8	transient receptor potential cation channel, subfamily M, member 8	0.521682	Inlier
siRNA-Vinblastine Run2-DMSO	NM_024080	TRPM8	transient receptor potential cation channel, subfamily M, member 8	2.447285	Inlier
siRNA-Vinblastine Run1-DMSO	NM_024080	TRPM8	transient receptor potential cation channel, subfamily M, member 8	3.173529	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Gene ID	Gene Name	Gene Description	Log2 Fold Change	Outlier Status
siRNA-Temozolomide Run3-DMSO	NM_080706	TRPV1	transient receptor potential cation channel, subfamily V, member 1	-1.012997	Inlier	
siRNA Disorazole DMSO Run2	NM_080706	TRPV1	transient receptor potential cation channel, subfamily V, member 1	-0.741111	Inlier	
siRNA Disorazole DMSO Run3	NM_080706	TRPV1	transient receptor potential cation channel, subfamily V, member 1	-0.535625	Inlier	
siRNA-Temozolomide Run2-DMSO	NM_080706	TRPV1	transient receptor potential cation channel, subfamily V, member 1	-0.238108	Inlier	
siRNA Disorazole DMSO Run1	NM_080706	TRPV1	transient receptor potential cation channel, subfamily V, member 1	0.238108	Inlier	
siRNA-Temozolomide Run1-DMSO	NM_080706	TRPV1	transient receptor potential cation channel, subfamily V, member 1	0.607889	Inlier	

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_080706	TRPV1	transient receptor potential cation channel, subfamily V, member 1	1.458314	Inlier
siRNA-Vinblastine Run1-DMSO	NM_080706	TRPV1	transient receptor potential cation channel, subfamily V, member 1	1.484293	Inlier
siRNA Disorazole DMSO Run2	NM_016113	TRPV2	transient receptor potential cation channel, subfamily V, member 2	-3.369182	Inlier
siRNA Disorazole DMSO Run1	NM_016113	TRPV2	transient receptor potential cation channel, subfamily V, member 2	-1.333004	Inlier
siRNA-Vinblastine Run2-DMSO	NM_016113	TRPV2	transient receptor potential cation channel, subfamily V, member 2	-0.280185	Inlier
siRNA-Temozolomide Run2-DMSO	NM_016113	TRPV2	transient receptor potential cation channel, subfamily V, member 2	-0.238679	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0161 13	TRPV2	transient receptor potential cation channel, subfamily V, member 2	0.238679	Inlier
siRNA Disorazole DMSO Run3	NM_0161 13	TRPV2	transient receptor potential cation channel, subfamily V, member 2	0.257543	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0161 13	TRPV2	transient receptor potential cation channel, subfamily V, member 2	1.068815	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0161 13	TRPV2	transient receptor potential cation channel, subfamily V, member 2	1.895714	Inlier
siRNA Disorazole DMSO Run2	NM_1450 68	TRPV3	transient receptor potential cation channel, subfamily V, member 3	-2.447438	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1450 68	TRPV3	transient receptor potential cation channel, subfamily V, member 3	-1.488083	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_145068	TRPV3	transient receptor potential cation channel, subfamily V, member 3	-1.021707	Inlier
siRNA-Temozolomide Run1-DMSO	NM_145068	TRPV3	transient receptor potential cation channel, subfamily V, member 3	-0.093619	Inlier
siRNA Disorazole DMSO Run1	NM_145068	TRPV3	transient receptor potential cation channel, subfamily V, member 3	0.093619	Inlier
siRNA-Vinblastine Run2-DMSO	NM_145068	TRPV3	transient receptor potential cation channel, subfamily V, member 3	0.106413	Inlier
siRNA Disorazole DMSO Run3	NM_145068	TRPV3	transient receptor potential cation channel, subfamily V, member 3	0.327293	Inlier
siRNA-Vinblastine Run1-DMSO	NM_145068	TRPV3	transient receptor potential cation channel, subfamily V, member 3	1.954203	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_147204	TRPV4	transient receptor potential cation channel, subfamily V, member 4	-1.3769	Inlier
siRNA-Temozolomide Run2-DMSO	NM_147204	TRPV4	transient receptor potential cation channel, subfamily V, member 4	-0.820227	Inlier
siRNA Disorazole DMSO Run2	NM_147204	TRPV4	transient receptor potential cation channel, subfamily V, member 4	-0.53482	Inlier
siRNA Disorazole DMSO Run1	NM_147204	TRPV4	transient receptor potential cation channel, subfamily V, member 4	-0.128716	Inlier
siRNA Disorazole DMSO Run3	NM_147204	TRPV4	transient receptor potential cation channel, subfamily V, member 4	0.128716	Inlier
siRNA-Temozolomide Run1-DMSO	NM_147204	TRPV4	transient receptor potential cation channel, subfamily V, member 4	0.289928	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_147204	TRPV4	transient receptor potential cation channel, subfamily V, member 4	0.81418	Inlier
siRNA-Vinblastine Run1-DMSO	NM_147204	TRPV4	transient receptor potential cation channel, subfamily V, member 4	1.183688	Inlier
siRNA Disorazole DMSO Run1	NM_019841	TRPV5	transient receptor potential cation channel, subfamily V, member 5	-1.888431	Inlier
siRNA-Temozolomide Run3-DMSO	NM_019841	TRPV5	transient receptor potential cation channel, subfamily V, member 5	-1.570378	Inlier
siRNA-Vinblastine Run2-DMSO	NM_019841	TRPV5	transient receptor potential cation channel, subfamily V, member 5	-0.045892	Inlier
siRNA Disorazole DMSO Run2	NM_019841	TRPV5	transient receptor potential cation channel, subfamily V, member 5	-0.022125	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Value	Category
siRNA Disorazole DMSO Run3	NM_0198 41	TRPV5	transient receptor potential cation channel, subfamily V, member 5	0.022125	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0198 41	TRPV5	transient receptor potential cation channel, subfamily V, member 5	0.664757	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0198 41	TRPV5	transient receptor potential cation channel, subfamily V, member 5	0.684243	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0198 41	TRPV5	transient receptor potential cation channel, subfamily V, member 5	3.849956	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0186 46	TRPV6	transient receptor potential cation channel, subfamily V, member 6	-1.595403	Inlier
siRNA Disorazole DMSO Run1	NM_0186 46	TRPV6	transient receptor potential cation channel, subfamily V, member 6	-0.840906	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene	Gene ID	Gene Name	Gene Description	Log Fold Change	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_018646	TRPV6	transient receptor potential cation channel, subfamily V, member 6	-0.46219	Inlier	
siRNA-Vinblastine Run2-DMSO	NM_018646	TRPV6	transient receptor potential cation channel, subfamily V, member 6	-0.255203	Inlier	
siRNA-Temozolomide Run1-DMSO	NM_018646	TRPV6	transient receptor potential cation channel, subfamily V, member 6	0.255203	Inlier	
siRNA Disorazole DMSO Run2	NM_018646	TRPV6	transient receptor potential cation channel, subfamily V, member 6	0.508094	Inlier	
siRNA-Vinblastine Run1-DMSO	NM_018646	TRPV6	transient receptor potential cation channel, subfamily V, member 6	1.245872	Inlier	
siRNA Disorazole DMSO Run3	NM_018646	TRPV6	transient receptor potential cation channel, subfamily V, member 6	2.060538	Inlier	

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0034 96	TRRAP	transforma tion/transc ription domain- associated protein	-2.228922	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0034 96	TRRAP	transforma tion/transc ription domain- associated protein	-1.783887	Inlier
siRNA Disorazole DMSO Run3	NM_0034 96	TRRAP	transforma tion/transc ription domain- associated protein	-0.393477	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0034 96	TRRAP	transforma tion/transc ription domain- associated protein	-0.073852	Inlier
siRNA Disorazole DMSO Run1	NM_0034 96	TRRAP	transforma tion/transc ription domain- associated protein	0.073852	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0034 96	TRRAP	transforma tion/transc ription domain- associated protein	0.625683	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0034 96	TRRAP	transforma tion/transc ription domain- associated protein	0.723317	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0034 96	TRRAP	transforma tion/transc ription domain- associated protein	1.027023	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_1391 69	TRUB1	TruB pseudouridine (psi) synthase homolog 1 (E. coli)	-1.083762	Inlier
siRNA Disorazole DMSO Run1	NM_1391 69	TRUB1	TruB pseudouridine (psi) synthase homolog 1 (E. coli)	-0.915971	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1391 69	TRUB1	TruB pseudouridine (psi) synthase homolog 1 (E. coli)	-0.809336	Inlier
siRNA Disorazole DMSO Run3	NM_1391 69	TRUB1	TruB pseudouridine (psi) synthase homolog 1 (E. coli)	-0.382536	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1391 69	TRUB1	TruB pseudouridine (psi) synthase homolog 1 (E. coli)	0.382536	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1391 69	TRUB1	TruB pseudouridine (psi) synthase homolog 1 (E. coli)	0.490892	Inlier
siRNA Disorazole DMSO Run2	NM_1391 69	TRUB1	TruB pseudouridine (psi) synthase homolog 1 (E. coli)	0.539664	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1391 69	TRUB1	TruB pseudouridine (psi) synthase homolog 1 (E. coli)	1.824857	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0187 18	TSGA14	testis specific, 14	-1.669368	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology					
siRNA-Temozolomide Run3-DMSO	NM_0187 18	TSGA14	testis specific, 14	-0.958925	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0187 18	TSGA14	testis specific, 14	-0.319268	Inlier
siRNA Disorazole DMSO Run1	NM_0187 18	TSGA14	testis specific, 14	-0.266389	Inlier
siRNA Disorazole DMSO Run3	NM_0187 18	TSGA14	testis specific, 14	0.266388	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0187 18	TSGA14	testis specific, 14	0.430367	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0187 18	TSGA14	testis specific, 14	0.918633	Inlier
siRNA Disorazole DMSO Run2	NM_0187 18	TSGA14	testis specific, 14	1.226403	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 18036	TSHR	thyroid stimulating hormone receptor	-2.489106	Inlier
siRNA Disorazole DMSO Run3	NM_0010 18036	TSHR	thyroid stimulating hormone receptor	-2.194954	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 18036	TSHR	thyroid stimulating hormone receptor	-0.438398	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 18036	TSHR	thyroid stimulating hormone receptor	-0.357753	Inlier
siRNA Disorazole DMSO Run2	NM_0010 18036	TSHR	thyroid stimulating hormone receptor	0.357753	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 18036	TSHR	thyroid stimulating hormone receptor	0.651805	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0010 18036	TSHR	thyroid stimulating hormone receptor	0.697195	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0010 18036	TSHR	thyroid stimulating hormone receptor	1.561479	Inlier
siRNA Disorazole DMSO Run2	NM_0217 33	TSKS	TSKS	-2.838373	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0217 33	TSKS	TSKS	-2.457931	Inlier
siRNA Disorazole DMSO Run1	NM_0217 33	TSKS	TSKS	-0.708154	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0217 33	TSKS	TSKS	-0.074375	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0217 33	TSKS	TSKS	0.074376	Inlier
siRNA Disorazole DMSO Run3	NM_0217 33	TSKS	TSKS	0.548833	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0217 33	TSKS	TSKS	0.640846	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0217 33	TSKS	TSKS	1.682598	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0132 70	TSP50	TSP50	-3.536215	Outlier
siRNA-Temozolomide Run2- DMSO	NM_0132 70	TSP50	TSP50	-1.921438	Inlier
siRNA Disorazole DMSO Run3	NM_0132 70	TSP50	TSP50	-0.344674	Inlier
siRNA Disorazole DMSO Run2	NM_0132 70	TSP50	TSP50	-0.099871	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0132 70	TSP50	TSP50	0.099871	Inlier
siRNA Disorazole DMSO Run1	NM_0132 70	TSP50	TSP50	0.373644	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0132 70	TSP50	TSP50	0.975356	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0132 70	TSP50	TSP50	2.249443	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0033 12	TST	thiosulfate sulfurtrans ferase (rhodanes e)	-0.761619	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0033 12	TST	thiosulfate sulfurtrans ferase (rhodanes e)	-0.587381	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0033 12	TST	thiosulfate sulfurtrans ferase (rhodanes e)	-0.499946	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0033 12	TST	thiosulfate sulfurtrans ferase (rhodanes e)	-0.274941	Inlier
siRNA Disorazole DMSO Run3	NM_0033 12	TST	thiosulfate sulfurtrans ferase (rhodanes e)	0.274941	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0033 12	TST	thiosulfate sulfurtrans ferase (rhodanes e)	1.286669	Inlier
siRNA Disorazole DMSO Run2	NM_0033 12	TST	thiosulfate sulfurtrans ferase (rhodanes e)	2.184605	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0033 12	TST	thiosulfate sulfurtrans ferase (rhodanes e)	3.511523	Outlier
siRNA-Temozolomide Run3- DMSO	NM_0033 13	TSTA3	tissue specific transplant ation antigen P35B	-1.833904	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0033 13	TSTA3	tissue specific transplant ation antigen P35B	-1.318287	Inlier
siRNA Disorazole DMSO Run1	NM_0033 13	TSTA3	tissue specific transplant ation antigen P35B	-0.13549	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log Fold Change	Outlier Status
siRNA Disorazole DMSO Run3	NM_003313	TSTA3	tissue specific transplantation antigen P35B	-0.068172	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003313	TSTA3	tissue specific transplantation antigen P35B	0.068172	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003313	TSTA3	tissue specific transplantation antigen P35B	0.098994	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003313	TSTA3	tissue specific transplantation antigen P35B	1.21351	Inlier
siRNA Disorazole DMSO Run2	NM_003313	TSTA3	tissue specific transplantation antigen P35B	1.496043	Inlier
siRNA-Temozolomide Run1-DMSO	NM_173500	TTBK2	tau tubulin kinase 2	-2.436948	Inlier
siRNA-Temozolomide Run2-DMSO	NM_173500	TTBK2	tau tubulin kinase 2	-0.711939	Inlier
siRNA-Temozolomide Run3-DMSO	NM_173500	TTBK2	tau tubulin kinase 2	-0.623107	Inlier
siRNA Disorazole DMSO Run1	NM_173500	TTBK2	tau tubulin kinase 2	-0.208519	Inlier
siRNA Disorazole DMSO Run2	NM_173500	TTBK2	tau tubulin kinase 2	0.20852	Inlier
siRNA-Vinblastine Run1-DMSO	NM_173500	TTBK2	tau tubulin kinase 2	0.637061	Inlier
siRNA Disorazole DMSO Run3	NM_173500	TTBK2	tau tubulin kinase 2	1.384682	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_173500	TTBK2	tau tubulin kinase 2 transcripti on terminatio n factor, RNA	4.957933	Outlier
siRNA-Temozolomide Run3-DMSO	NM_007344	TTF1	polymeras e I transcripti on terminatio n factor, RNA	-0.954809	Inlier
siRNA-Temozolomide Run2-DMSO	NM_007344	TTF1	polymeras e I transcripti on terminatio n factor, RNA	-0.771864	Inlier
siRNA-Vinblastine Run2-DMSO	NM_007344	TTF1	polymeras e I transcripti on terminatio n factor, RNA	-0.577136	Inlier
siRNA Disorazole DMSO Run3	NM_007344	TTF1	polymeras e I transcripti on terminatio n factor, RNA	-0.100309	Inlier
siRNA-Temozolomide Run1-DMSO	NM_007344	TTF1	polymeras e I transcripti on terminatio n factor, RNA	0.100309	Inlier
siRNA Disorazole DMSO Run1	NM_007344	TTF1	polymeras e I transcripti on terminatio n factor, RNA	0.288674	Inlier
siRNA-Vinblastine Run1-DMSO	NM_007344	TTF1	polymeras e I	0.884826	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Value	Outlier Status
siRNA Disorazole DMSO Run2	NM_0073	44	TTF1	1.094074	Inlier
siRNA Disorazole DMSO Run2	NM_0033	18	TTK	-1.345852	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0033	18	TTK	-1.076045	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0033	18	TTK	-0.353084	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0033	18	TTK	-0.069884	Inlier
siRNA Disorazole DMSO Run3	NM_0033	18	TTK	0.069885	Inlier
siRNA Disorazole DMSO Run1	NM_0033	18	TTK	0.469132	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0033	18	TTK	0.879868	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0033	18	TTK	1.03371	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1537	12	TTL	-1.017241	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1537	12	TTL	-0.759626	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1537	12	TTL	-0.581716	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1537	12	TTL	-0.53421	Inlier
siRNA Disorazole DMSO Run3	NM_1537	12	TTL	0.53421	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1537	12	TTL	0.639438	Inlier
siRNA Disorazole DMSO Run2	NM_1537	12	TTL	0.709562	Inlier

transcripti
 on
 terminatio
 n factor,
 RNA
 polymeras
 e I
 TTK

protein
 kinase
 TTK

protein
 kinase
 TTK

protein
 kinase
 TTK

protein
 kinase
 TTK

protein
 kinase
 TTK

protein
 kinase
 TTK

protein
 kinase
 TTK

protein
 kinase
 tubulin

tyrosine
 ligase
 tubulin

tyrosine
 ligase
 tubulin

tyrosine
 ligase
 tubulin

tyrosine
 ligase
 tubulin

tyrosine
 ligase
 tubulin

tyrosine
 ligase
 tubulin

tyrosine
 ligase

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1537 12	TTL	tubulin tyrosine ligase	1.254894	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0122 63	TTLL1	tubulin tyrosine ligase-like family, member 1	-1.757191	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0122 63	TTLL1	tubulin tyrosine ligase-like family, member 1	-0.673484	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0122 63	TTLL1	tubulin tyrosine ligase-like family, member 1	-0.359959	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0122 63	TTLL1	tubulin tyrosine ligase-like family, member 1	-0.078821	Inlier
siRNA Disorazole DMSO Run3	NM_0122 63	TTLL1	tubulin tyrosine ligase-like family, member 1	0.078821	Inlier
siRNA Disorazole DMSO Run1	NM_0122 63	TTLL1	tubulin tyrosine ligase-like family, member 1	0.675516	Inlier
siRNA Disorazole DMSO Run2	NM_0122 63	TTLL1	tubulin tyrosine ligase-like family, member 1	2.188288	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0122 63	TTLL1	tubulin tyrosine ligase-like family, member 1	2.360752	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1333 79	TTN	titin	-0.749884	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1333 79	TTN	titin	-0.679184	Inlier
siRNA Disorazole DMSO Run2	NM_1333 79	TTN	titin	-0.379947	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1333 79	TTN	titin	-0.26909	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

siRNA-Temozolomide Run2- DMSO	NM_1333 79	TTN	titin	0.26909	Inlier
siRNA Disorazole DMSO Run1	NM_1333 79	TTN	titin	0.669816	Inlier
siRNA Disorazole DMSO Run3	NM_1333 79	TTN	titin	0.921383	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1333 79	TTN	titin	2.008483	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0003 70	TTPA	tocopherol (alpha) transfer protein (ataxia (Friedreich- like) with vitamin E deficiency)	-1.326705	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0003 70	TTPA	tocopherol (alpha) transfer protein (ataxia (Friedreich- like) with vitamin E deficiency)	-0.826769	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0003 70	TTPA	tocopherol (alpha) transfer protein (ataxia (Friedreich- like) with vitamin E deficiency)	-0.678641	Inlier
siRNA Disorazole DMSO Run1	NM_0003 70	TTPA	tocopherol (alpha) transfer protein (ataxia (Friedreich- like) with vitamin E deficiency)	-0.015914	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	70	NM_0003	TPPA	tocopherol (alpha) transfer protein (ataxia (Friedreich-like) with vitamin E deficiency)	0.015914	Inlier
siRNA-Temozolomide Run3-DMSO	70	NM_0003	TPPA	tocopherol (alpha) transfer protein (ataxia (Friedreich-like) with vitamin E deficiency)	0.302744	Inlier
siRNA-Vinblastine Run1-DMSO	70	NM_0003	TPPA	tocopherol (alpha) transfer protein (ataxia (Friedreich-like) with vitamin E deficiency)	0.670359	Inlier
siRNA Disorazole DMSO Run2	70	NM_0003	TPPA	tocopherol (alpha) transfer protein (ataxia (Friedreich-like) with vitamin E deficiency)	1.025339	Inlier
siRNA-Vinblastine Run2-DMSO	00	NM_0060	TUBA1	tubulin, alpha 1 (testis specific)	-1.473982	Inlier
siRNA-Temozolomide Run2-DMSO	00	NM_0060	TUBA1	tubulin, alpha 1 (testis specific)	-0.432283	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_006000	TUBA1	tubulin, alpha 1 (testis specific)	-0.35389	Inlier
siRNA Disorazole DMSO Run3	NM_006000	TUBA1	tubulin, alpha 1 (testis specific)	-0.070203	Inlier
siRNA Disorazole DMSO Run1	NM_006000	TUBA1	tubulin, alpha 1 (testis specific)	0.070202	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006000	TUBA1	tubulin, alpha 1 (testis specific)	0.916717	Inlier
siRNA Disorazole DMSO Run2	NM_006000	TUBA1	tubulin, alpha 1 (testis specific)	1.212428	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006000	TUBA1	tubulin, alpha 1 (testis specific)	1.276532	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006001	TUBA2	tubulin, alpha 2	-2.959533	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006001	TUBA2	tubulin, alpha 2	-0.326556	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006001	TUBA2	tubulin, alpha 2	-0.164325	Inlier
siRNA Disorazole DMSO Run3	NM_006001	TUBA2	tubulin, alpha 2	-0.055987	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006001	TUBA2	tubulin, alpha 2	0.055987	Inlier
siRNA Disorazole DMSO Run1	NM_006001	TUBA2	tubulin, alpha 2	1.022444	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006001	TUBA2	tubulin, alpha 2	1.64487	Inlier
siRNA Disorazole DMSO Run2	NM_006001	TUBA2	tubulin, alpha 2	2.271208	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006009	TUBA3	TUBA3	-0.858743	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006009	TUBA3	TUBA3	-0.68399	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006009	TUBA3	TUBA3	-0.66501	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006009	TUBA3	TUBA3	-0.296941	Inlier
siRNA Disorazole DMSO Run1	NM_006009	TUBA3	TUBA3	0.296941	Inlier
siRNA Disorazole DMSO Run3	NM_006009	TUBA3	TUBA3	0.557478	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA/Vinblastine Run	Gene	Gene	Gene	Value	Category
siRNA-Vinblastine Run1-DMSO	NM_006009	TUBA3	TUBA3	0.75569	Inlier
siRNA Disorazole DMSO Run2	NM_006009	TUBA3	TUBA3	1.030884	Inlier
siRNA Disorazole DMSO Run3	NM_025019	TUBA4	tubulin, alpha 4	-1.389672	Inlier
siRNA-Vinblastine Run2-DMSO	NM_025019	TUBA4	tubulin, alpha 4	-1.226589	Inlier
siRNA-Temozolomide Run3-DMSO	NM_025019	TUBA4	tubulin, alpha 4	-0.593403	Inlier
siRNA-Temozolomide Run2-DMSO	NM_025019	TUBA4	tubulin, alpha 4	-0.173615	Inlier
siRNA-Temozolomide Run1-DMSO	NM_025019	TUBA4	tubulin, alpha 4	0.173615	Inlier
siRNA-Vinblastine Run1-DMSO	NM_025019	TUBA4	tubulin, alpha 4	0.556652	Inlier
siRNA Disorazole DMSO Run1	NM_025019	TUBA4	tubulin, alpha 4	0.755597	Inlier
siRNA Disorazole DMSO Run2	NM_025019	TUBA4	tubulin, alpha 4	1.65932	Inlier
siRNA-Temozolomide Run2-DMSO	NM_032704	TUBA6	TUBA6	-0.827837	Inlier
siRNA-Temozolomide Run3-DMSO	NM_032704	TUBA6	TUBA6	-0.644862	Inlier
siRNA Disorazole DMSO Run3	NM_032704	TUBA6	TUBA6	-0.611479	Inlier
siRNA-Vinblastine Run2-DMSO	NM_032704	TUBA6	TUBA6	-0.13406	Inlier
siRNA-Temozolomide Run1-DMSO	NM_032704	TUBA6	TUBA6	0.134061	Inlier
siRNA Disorazole DMSO Run1	NM_032704	TUBA6	TUBA6	0.704138	Inlier
siRNA-Vinblastine Run1-DMSO	NM_032704	TUBA6	TUBA6	1.685097	Inlier
siRNA Disorazole DMSO Run2	NM_032704	TUBA6	TUBA6	1.722341	Inlier
siRNA-Temozolomide Run3-DMSO	NM_018943	TUBA8	tubulin, alpha 8	-2.695742	Inlier
siRNA-Temozolomide Run2-DMSO	NM_018943	TUBA8	tubulin, alpha 8	-0.462361	Inlier
siRNA-Vinblastine Run2-DMSO	NM_018943	TUBA8	tubulin, alpha 8	-0.35181	Inlier
siRNA-Temozolomide Run1-DMSO	NM_018943	TUBA8	tubulin, alpha 8	-0.114688	Inlier
siRNA Disorazole DMSO Run3	NM_018943	TUBA8	tubulin, alpha 8	0.114688	Inlier
siRNA-Vinblastine Run1-DMSO	NM_018943	TUBA8	tubulin, alpha 8	0.886639	Inlier
siRNA Disorazole DMSO Run2	NM_018943	TUBA8	tubulin, alpha 8	1.083464	Inlier
siRNA Disorazole DMSO Run1	NM_018943	TUBA8	tubulin, alpha 8	1.253794	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology				tubulin, alpha-like	
siRNA-Temozolomide Run1-DMSO	NM_0248 03	TUBAL3	3	-0.912423	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0248 03	TUBAL3	3	-0.859207	Inlier
siRNA Disorazole DMSO Run1	NM_0248 03	TUBAL3	3	-0.803511	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0248 03	TUBAL3	3	-0.279321	Inlier
siRNA Disorazole DMSO Run3	NM_0248 03	TUBAL3	3	0.27932	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0248 03	TUBAL3	3	0.40016	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0248 03	TUBAL3	3	0.545489	Inlier
siRNA Disorazole DMSO Run2	NM_0248 03	TUBAL3	3	1.225256	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 69	TUBB	tubulin, beta 2	-1.375721	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 69	TUBB	tubulin, beta 2	-0.674005	Inlier
siRNA Disorazole DMSO Run3	NM_0010 69	TUBB	tubulin, beta 2	-0.228778	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 69	TUBB	tubulin, beta 2	-0.10316	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 69	TUBB	tubulin, beta 2	0.103159	Inlier
siRNA Disorazole DMSO Run1	NM_0010 69	TUBB	tubulin, beta 2	0.674995	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 69	TUBB	tubulin, beta 2	0.826336	Inlier
siRNA Disorazole DMSO Run2	NM_0010 69	TUBB	tubulin, beta 2	1.162965	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0307 73	TUBB1	tubulin, beta 1	-0.796853	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0307 73	TUBB1	tubulin, beta 1	-0.552147	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0307 73	TUBB1	tubulin, beta 1	-0.08905	Inlier
siRNA Disorazole DMSO Run3	NM_0307 73	TUBB1	tubulin, beta 1	-0.073566	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0307 73	TUBB1	tubulin, beta 1	0.073566	Inlier
siRNA Disorazole DMSO Run1	NM_0307 73	TUBB1	tubulin, beta 1	0.861682	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_0307		tubulin,		
siRNA Disorazole DMSO Run2	73	TUBB1	beta 1	1.210071	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0307 73	TUBB1	tubulin, beta 1	1.241897	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0060 88	TUBB2	TUBB2	-1.940392	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0060 88	TUBB2	TUBB2	-1.632595	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0060 88	TUBB2	TUBB2	-0.502622	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0060 88	TUBB2	TUBB2	-0.175914	Inlier
siRNA Disorazole DMSO Run3	NM_0060 88	TUBB2	TUBB2	0.175914	Inlier
siRNA Disorazole DMSO Run1	NM_0060 88	TUBB2	TUBB2	0.550326	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0060 88	TUBB2	TUBB2	0.798674	Inlier
siRNA Disorazole DMSO Run2	NM_0060 88	TUBB2	TUBB2	1.448073	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0060 86	TUBB4	tubulin, beta 3	-1.230357	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0060 86	TUBB4	tubulin, beta 3	-0.658757	Inlier
siRNA Disorazole DMSO Run3	NM_0060 86	TUBB4	tubulin, beta 3	-0.59257	Inlier
siRNA Disorazole DMSO Run2	NM_0060 86	TUBB4	tubulin, beta 3	-0.326564	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0060 86	TUBB4	tubulin, beta 3	0.326563	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0060 86	TUBB4	tubulin, beta 3	0.690243	Inlier
siRNA Disorazole DMSO Run1	NM_0060 86	TUBB4	tubulin, beta 3	1.120167	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0060 86	TUBB4	tubulin, beta 3	1.990174	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0200 40	TUBB4Q	tubulin, beta polypeptid e 4, member Q	-1.565742	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0200 40	TUBB4Q	tubulin, beta polypeptid e 4, member Q	-1.267471	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0200 40	TUBB4Q	tubulin, beta polypeptid e 4, member Q	-0.41893	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0200 40	TUBB4Q	tubulin, beta polypeptid e 4, member Q	-0.030747	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0200 40	TUBB4Q	tubulin, beta polypeptid e 4, member Q	0.030747	Inlier
siRNA Disorazole DMSO Run2	NM_0200 40	TUBB4Q	tubulin, beta polypeptid e 4, member Q	0.672851	Inlier
siRNA Disorazole DMSO Run1	NM_0200 40	TUBB4Q	tubulin, beta polypeptid e 4, member Q	0.676149	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0200 40	TUBB4Q	tubulin, beta polypeptid e 4, member Q	1.009475	Inlier
siRNA Disorazole DMSO Run1	NM_0060 87	TUBB5	tubulin, beta 4	-0.970751	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0060 87	TUBB5	tubulin, beta 4	-0.378249	Inlier
siRNA Disorazole DMSO Run3	NM_0060 87	TUBB5	tubulin, beta 4	-0.190938	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0060 87	TUBB5	tubulin, beta 4	-0.143005	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0060 87	TUBB5	tubulin, beta 4	0.143003	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0060 87	TUBB5	tubulin, beta 4	1.223347	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0060 87	TUBB5	tubulin, beta 4	3.422815	Inlier
siRNA Disorazole DMSO Run2	NM_0060 87	TUBB5	tubulin, beta 4	3.601464	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Treatment	Gene	Accession	Protein	Value	Category
siRNA-Temozolomide Run3-DMSO	NM_0162	61	TUBD1	-0.834798	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0162	61	TUBD1	-0.514202	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0162	61	TUBD1	-0.236237	Inlier
siRNA Disorazole DMSO Run3	NM_0162	61	TUBD1	-0.089733	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0162	61	TUBD1	0.089732	Inlier
siRNA Disorazole DMSO Run1	NM_0162	61	TUBD1	0.97761	Inlier
siRNA Disorazole DMSO Run2	NM_0162	61	TUBD1	1.163274	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0162	61	TUBD1	1.193388	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0162	62	TUBE1	-1.833329	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0162	62	TUBE1	-0.916617	Inlier
siRNA Disorazole DMSO Run3	NM_0162	62	TUBE1	-0.432383	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0162	62	TUBE1	-0.315766	Inlier
siRNA Disorazole DMSO Run1	NM_0162	62	TUBE1	0.315766	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0162	62	TUBE1	0.337233	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0162	62	TUBE1	1.097723	Inlier
siRNA Disorazole DMSO Run2	NM_0162	62	TUBE1	1.729253	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010	70	TUBG1	-1.550965	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010	70	TUBG1	-0.999638	Inlier
siRNA Disorazole DMSO Run1	NM_0010	70	TUBG1	-0.057443	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010	70	TUBG1	-0.05088	Inlier
siRNA Disorazole DMSO Run3	NM_0010	70	TUBG1	0.050881	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010	70	TUBG1	0.349362	Inlier
siRNA Disorazole DMSO Run2	NM_0010	70	TUBG1	1.983463	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010	70	TUBG1	2.090994	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0164	37	TUBG2	-1.535085	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0164	37	TUBG2	-0.795879	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Temozolomide Run3- DMSO	NM_0164 37	TUBG2	tubulin, gamma 2	-0.453589	Inlier
siRNA Disorazole DMSO Run3	NM_0164 37	TUBG2	tubulin, gamma 2	-0.415548	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0164 37	TUBG2	tubulin, gamma 2	0.415548	Inlier
siRNA Disorazole DMSO Run1	NM_0164 37	TUBG2	tubulin, gamma 2	0.553121	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0164 37	TUBG2	tubulin, gamma 2	1.754839	Inlier
siRNA Disorazole DMSO Run2	NM_0164 37	TUBG2	tubulin, gamma 2	2.319479	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0204 61	TUBGCP6	tubulin, gamma complex associated protein 6	-0.883802	Inlier
siRNA Disorazole DMSO Run3	NM_0204 61	TUBGCP6	tubulin, gamma complex associated protein 6	-0.705853	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0204 61	TUBGCP6	tubulin, gamma complex associated protein 6	-0.643147	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0204 61	TUBGCP6	tubulin, gamma complex associated protein 6	-0.144061	Inlier
siRNA Disorazole DMSO Run1	NM_0204 61	TUBGCP6	tubulin, gamma complex associated protein 6	0.144061	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0204 61	TUBGCP6	tubulin, gamma complex associated protein 6	0.571699	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0204 61	TUBGCP6	tubulin, gamma complex associated protein 6	8.631815	Outlier
siRNA Disorazole DMSO Run2	NM_0204 61	TUBGCP6	tubulin, gamma complex associated protein 6 TXK	10.15995	Outlier
siRNA Disorazole DMSO Run2	NM_0033 28	TXK	tyrosine kinase TXK	-3.034457	Inlier
siRNA Disorazole DMSO Run3	NM_0033 28	TXK	tyrosine kinase TXK	-0.652448	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0033 28	TXK	tyrosine kinase TXK	-0.388644	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0033 28	TXK	tyrosine kinase TXK	-0.058552	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0033 28	TXK	tyrosine kinase TXK	0.058552	Inlier
siRNA Disorazole DMSO Run1	NM_0033 28	TXK	tyrosine kinase TXK	0.696552	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0033 28	TXK	tyrosine kinase TXK	0.931213	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0033 28	TXK	tyrosine kinase	1.095903	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0033 29	TXN	thioredoxi n	-0.870621	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0033 29	TXN	thioredoxi n	-0.478379	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0033 29	TXN	thioredoxi n	-0.457466	Inlier
siRNA Disorazole DMSO Run3	NM_0033 29	TXN	thioredoxi n	-0.357945	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0033 29	TXN	thioredoxi n	0.357945	Inlier
siRNA Disorazole DMSO Run1	NM_0033 29	TXN	thioredoxi n	1.746377	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0033 29	TXN	thioredoxi n	1.753831	Inlier
siRNA Disorazole DMSO Run2	NM_0033 29	TXN	thioredoxi n	2.8656	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology			thioredoxi		
siRNA-Temozolomide Run3-DMSO	NM_0307 55	TXNDC	n domain containing	-0.743082	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0307 55	TXNDC	n domain containing	-0.605918	Inlier
siRNA Disorazole DMSO Run3	NM_0307 55	TXNDC	n domain containing	-0.539839	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0307 55	TXNDC	n domain containing	-0.466927	Inlier
siRNA Disorazole DMSO Run1	NM_0307 55	TXNDC	n domain containing	0.466927	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0307 55	TXNDC	n domain containing	0.769044	Inlier
siRNA Disorazole DMSO Run2	NM_0307 55	TXNDC	n domain containing	0.897795	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0307 55	TXNDC	n domain containing	0.9482	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0166 16	TXNDC3	n domain containing 3 (spermato zoa)	-0.784048	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0166 16	TXNDC3	n domain containing 3 (spermato zoa)	-0.564952	Inlier
siRNA Disorazole DMSO Run3	NM_0166 16	TXNDC3	n domain containing 3 (spermato zoa)	-0.44881	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0166 16	TXNDC3	n domain containing 3 (spermato zoa)	-0.273839	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0166 16	TXNDC3	thioredoxin domain containing 3 (spermatozoa)	0.273839	Inlier
siRNA Disorazole DMSO Run2	NM_0166 16	TXNDC3	thioredoxin domain containing 3 (spermatozoa)	1.079433	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0166 16	TXNDC3	thioredoxin domain containing 3 (spermatozoa)	1.587847	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0166 16	TXNDC3	thioredoxin domain containing 3 (spermatozoa)	1.674459	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1781 30	TXNDC6	thioredoxin domain containing 6	-2.871532	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1781 30	TXNDC6	thioredoxin domain containing 6	-0.904799	Inlier
siRNA Disorazole DMSO Run3	NM_1781 30	TXNDC6	thioredoxin domain containing 6	-0.182758	Inlier
siRNA Disorazole DMSO Run1	NM_1781 30	TXNDC6	thioredoxin domain containing 6	-0.144894	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1781 30	TXNDC6	thioredoxin domain containing 6	0.144894	Inlier
siRNA Disorazole DMSO Run2	NM_1781 30	TXNDC6	thioredoxin domain containing 6	0.444201	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1781 30	TXNDC6	thioredoxin domain containing 6	2.476836	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_1781 30	TXNDC6	6	thioredoxin domain containing 6	2.792117	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0057 42	TXNDC7	7	thioredoxin domain containing 7 (protein disulfide isomerase)	-0.956194	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0057 42	TXNDC7	7	thioredoxin domain containing 7 (protein disulfide isomerase)	-0.764991	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0057 42	TXNDC7	7	thioredoxin domain containing 7 (protein disulfide isomerase)	-0.452016	Inlier
siRNA Disorazole DMSO Run3	NM_0057 42	TXNDC7	7	thioredoxin domain containing 7 (protein disulfide isomerase)	-0.215651	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0057 42	TXNDC7	7	thioredoxin domain containing 7 (protein disulfide isomerase)	0.215651	Inlier
siRNA Disorazole DMSO Run1	NM_0057 42	TXNDC7	7	thioredoxin domain containing 7 (protein disulfide isomerase)	0.584009	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0057 42	TXNDC7	thioredoxin domain containing 7 (protein disulfide isomerase)	3.916948	Outlier
siRNA Disorazole DMSO Run2	NM_0057 42	TXNDC7	thioredoxin domain containing 7 (protein disulfide isomerase)	4.047339	Outlier
siRNA-Temozolomide Run1-DMSO	NM_0047 86	TXNL1	thioredoxin-like 1	-1.8498	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0047 86	TXNL1	thioredoxin-like 1	-0.896345	Inlier
siRNA Disorazole DMSO Run3	NM_0047 86	TXNL1	thioredoxin-like 1	-0.658819	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0047 86	TXNL1	thioredoxin-like 1	-0.026737	Inlier
siRNA Disorazole DMSO Run1	NM_0047 86	TXNL1	thioredoxin-like 1	0.026736	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0047 86	TXNL1	thioredoxin-like 1	0.218248	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0047 86	TXNL1	thioredoxin-like 1	0.690181	Inlier
siRNA Disorazole DMSO Run2	NM_0047 86	TXNL1	thioredoxin-like 1	0.786234	Inlier
siRNA Disorazole DMSO Run1	NM_0065 41	TXNL2	thioredoxin-like 2	-1.007598	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0065 41	TXNL2	thioredoxin-like 2	-0.341402	Inlier
siRNA Disorazole DMSO Run3	NM_0065 41	TXNL2	thioredoxin-like 2	-0.28009	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0065 41	TXNL2	thioredoxin-like 2	-0.046388	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0065 41	TXNL2	thioredoxin-like 2	0.046388	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0065 41	TXNL2	thioredoxin-like 2	1.292032	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0065 41	TXNL2	thioredoxin-like 2	1.584844	Inlier
siRNA Disorazole DMSO Run2	NM_0065 41	TXNL2	thioredoxin-like 2	3.099925	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0067 01	TXNL4A	thioredoxin-like 4A	-1.104367	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0067 01	TXNL4A	thioredoxin-like 4A	-0.681763	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0067 01	TXNL4A	thioredoxin-like 4A	-0.667237	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_0067		thioredoxi		
siRNA Disorazole DMSO Run3	01	TXNL4A	n-like 4A	-0.031293	Inlier
	NM_0067		thioredoxi		
siRNA Disorazole DMSO Run1	01	TXNL4A	n-like 4A	0.031293	Inlier
siRNA-Vinblastine Run2-	NM_0067		thioredoxi		
DMSO	01	TXNL4A	n-like 4A	0.395858	Inlier
	NM_0067		thioredoxi		
siRNA Disorazole DMSO Run2	01	TXNL4A	n-like 4A	1.791992	Inlier
siRNA-Vinblastine Run1-	NM_0067		thioredoxi		
DMSO	01	TXNL4A	n-like 4A	1.943113	Inlier
			thioredoxi		
			n		
siRNA-Temozolomide Run2-	NM_1827		reductase		
DMSO	29	TXNRD1	1	-0.897318	Inlier
			thioredoxi		
			n		
	NM_1827		reductase		
siRNA Disorazole DMSO Run3	29	TXNRD1	1	-0.451682	Inlier
			thioredoxi		
			n		
siRNA-Temozolomide Run3-	NM_1827		reductase		
DMSO	29	TXNRD1	1	-0.422036	Inlier
			thioredoxi		
			n		
	NM_1827		reductase		
siRNA Disorazole DMSO Run1	29	TXNRD1	1	-0.193208	Inlier
			thioredoxi		
			n		
siRNA-Vinblastine Run2-	NM_1827		reductase		
DMSO	29	TXNRD1	1	0.193208	Inlier
			thioredoxi		
			n		
siRNA-Temozolomide Run1-	NM_1827		reductase		
DMSO	29	TXNRD1	1	3.004031	Inlier
			thioredoxi		
			n		
siRNA-Vinblastine Run1-	NM_1827		reductase		
DMSO	29	TXNRD1	1	7.733291	Outlier
			thioredoxi		
			n		
	NM_1827		reductase		
siRNA Disorazole DMSO Run2	29	TXNRD1	1	8.058417	Outlier
			thioredoxi		
			n		
siRNA-Temozolomide Run3-	NM_1457		reductase		
DMSO	47	TXNRD2	2	-0.937199	Inlier
			thioredoxi		
			n		
	NM_1457		reductase		
siRNA Disorazole DMSO Run3	47	TXNRD2	2	-0.687237	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			thioredoxin reductase	
siRNA Disorazole DMSO Run1	NM_1457 47	TXNRD2	2	-0.661763 Inlier
siRNA-Vinblastine Run2-DMSO	NM_1457 47	TXNRD2	2	-0.058568 Inlier
siRNA-Temozolomide Run2-DMSO	NM_1457 47	TXNRD2	2	0.058569 Inlier
siRNA-Temozolomide Run1-DMSO	NM_1457 47	TXNRD2	2	0.576855 Inlier
siRNA-Vinblastine Run1-DMSO	NM_1457 47	TXNRD2	2	1.548541 Inlier
siRNA Disorazole DMSO Run2	NM_1457 47	TXNRD2	2	2.761212 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0033 31	TYK2	tyrosine kinase 2	-0.901143 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0033 31	TYK2	tyrosine kinase 2	-0.880539 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0033 31	TYK2	tyrosine kinase 2	-0.584359 Inlier
siRNA Disorazole DMSO Run2	NM_0033 31	TYK2	tyrosine kinase 2	-0.243695 Inlier
siRNA Disorazole DMSO Run3	NM_0033 31	TYK2	tyrosine kinase 2	0.243695 Inlier
siRNA Disorazole DMSO Run1	NM_0033 31	TYK2	tyrosine kinase 2	0.631103 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0033 31	TYK2	tyrosine kinase 2	0.717897 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0033 31	TYK2	tyrosine kinase 2	1.204082 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 71	TYMS	thymidylate synthetase	-1.75689 Inlier
siRNA Disorazole DMSO Run1	NM_0010 71	TYMS	thymidylate synthetase	-1.072196 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 71	TYMS	thymidylate synthetase	-0.276804 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0010 71	TYMS	thymidylate synthetase	-0.104099	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 71	TYMS	thymidylate synthetase	0.104098	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 71	TYMS	thymidylate synthetase	0.114266	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 71	TYMS	thymidylate synthetase	1.596359	Inlier
siRNA Disorazole DMSO Run2	NM_0010 71	TYMS	thymidylate synthetase	1.737622	Inlier
siRNA Disorazole DMSO Run1	NM_0003 72	TYR	tyrosinase (oculocutaneous albinism IA)	-0.819321	Inlier
siRNA Disorazole DMSO Run3	NM_0003 72	TYR	tyrosinase (oculocutaneous albinism IA)	-0.575214	Inlier
siRNA Disorazole DMSO Run2	NM_0003 72	TYR	tyrosinase (oculocutaneous albinism IA)	-0.491081	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0003 72	TYR	tyrosinase (oculocutaneous albinism IA)	-0.444215	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0003 72	TYR	tyrosinase (oculocutaneous albinism IA)	0.444215	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_000372	TYR	tyrosinase (oculocutaneous albinism IA)	0.773786 Inlier
siRNA-Vinblastine Run2-DMSO	NM_000372	TYR	tyrosinase (oculocutaneous albinism IA)	1.515301 Inlier
siRNA-Temozolomide Run3-DMSO	NM_000372	TYR	tyrosinase (oculocutaneous albinism IA)	2.018549 Inlier
siRNA-Temozolomide Run3-DMSO	NM_006293	TYRO3	TYRO3 protein tyrosine kinase	-0.940863 Inlier
siRNA-Temozolomide Run2-DMSO	NM_006293	TYRO3	TYRO3 protein tyrosine kinase	-0.66294 Inlier
siRNA-Temozolomide Run1-DMSO	NM_006293	TYRO3	TYRO3 protein tyrosine kinase	-0.349362 Inlier
siRNA Disorazole DMSO Run3	NM_006293	TYRO3	TYRO3 protein tyrosine kinase	-0.039797 Inlier
siRNA Disorazole DMSO Run1	NM_006293	TYRO3	TYRO3 protein tyrosine kinase	0.039798 Inlier
siRNA Disorazole DMSO Run2	NM_006293	TYRO3	TYRO3 protein tyrosine kinase	0.68606 Inlier
siRNA-Vinblastine Run2-DMSO	NM_006293	TYRO3	TYRO3 protein tyrosine kinase	0.969719 Inlier
siRNA-Vinblastine Run1-DMSO	NM_006293	TYRO3	TYRO3 protein tyrosine kinase	1.056551 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	siRNA	Gene	Protein	Score	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0005 50	TYRP1	tyrosinase-related protein 1	-1.035515	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0005 50	TYRP1	tyrosinase-related protein 1	-0.785751	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0005 50	TYRP1	tyrosinase-related protein 1	-0.563249	Inlier
siRNA Disorazole DMSO Run1	NM_0005 50	TYRP1	tyrosinase-related protein 1	-0.165627	Inlier
siRNA Disorazole DMSO Run3	NM_0005 50	TYRP1	tyrosinase-related protein 1	0.165627	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0005 50	TYRP1	tyrosinase-related protein 1	0.541673	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0005 50	TYRP1	tyrosinase-related protein 1	0.876265	Inlier
siRNA Disorazole DMSO Run2	NM_0005 50	TYRP1	tyrosinase-related protein 1	1.837916	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1735 55	TYSND1	trypsin domain containing 1	-1.428223	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1735 55	TYSND1	trypsin domain containing 1	-1.075076	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1735 55	TYSND1	trypsin domain containing 1	-0.446229	Inlier
siRNA Disorazole DMSO Run1	NM_1735 55	TYSND1	trypsin domain containing 1	-0.219683	Inlier
siRNA Disorazole DMSO Run3	NM_1735 55	TYSND1	trypsin domain containing 1	0.219683	Inlier
siRNA Disorazole DMSO Run2	NM_1735 55	TYSND1	trypsin domain containing 1	0.323113	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1735 55	TYSND1	trypsin domain containing 1	0.902771	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_1735 55	TYSND1	trypsin domain containing 1	1.191617	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0031 15	UAP1	UDP-N- acteylgluc osamine pyrophosp horylase 1	-2.746992	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0031 15	UAP1	UDP-N- acteylgluc osamine pyrophosp horylase 1	-0.859313	Inlier
siRNA Disorazole DMSO Run1	NM_0031 15	UAP1	UDP-N- acteylgluc osamine pyrophosp horylase 1	-0.100139	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0031 15	UAP1	UDP-N- acteylgluc osamine pyrophosp horylase 1	-0.060678	Inlier
siRNA Disorazole DMSO Run3	NM_0031 15	UAP1	UDP-N- acteylgluc osamine pyrophosp horylase 1	0.060678	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0031 15	UAP1	UDP-N- acteylgluc osamine pyrophosp horylase 1	0.489686	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0031 15	UAP1	UDP-N- acteylgluc osamine pyrophosp horylase 1	4.816761	Outlier
siRNA Disorazole DMSO Run2	NM_0031 15	UAP1	UDP-N- acteylgluc osamine pyrophosp horylase 1	5.063455	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0189 61	UBASH3A	A	ubiquitin associated and SH3 domain containing,	-6.561478	Outlier
siRNA Disorazole DMSO Run3	NM_0189 61	UBASH3A	A	ubiquitin associated and SH3 domain containing,	-0.603708	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0189 61	UBASH3A	A	ubiquitin associated and SH3 domain containing,	-0.358106	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0189 61	UBASH3A	A	ubiquitin associated and SH3 domain containing,	-0.166113	Inlier
siRNA Disorazole DMSO Run1	NM_0189 61	UBASH3A	A	ubiquitin associated and SH3 domain containing,	0.166115	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0189 61	UBASH3A	A	ubiquitin associated and SH3 domain containing,	0.745292	Inlier
siRNA Disorazole DMSO Run2	NM_0189 61	UBASH3A	A	ubiquitin associated and SH3 domain containing,	3.799563	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0189 61	UBASH3A	A	ubiquitin associated and SH3 domain containing,	4.252467	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0063 98	UBD		ubiquitin D	-1.038156	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0063 98	UBD		ubiquitin D	-0.857153	Inlier
siRNA Disorazole DMSO Run3	NM_0063 98	UBD		ubiquitin D	-0.34454	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0063 98	UBD		ubiquitin D	-0.05655	Inlier
siRNA Disorazole DMSO Run1	NM_0063 98	UBD		ubiquitin D	0.05655	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0063 98	UBD		ubiquitin D	0.491847	Inlier
siRNA Disorazole DMSO Run2	NM_0063 98	UBD		ubiquitin D	1.39717	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0063 98	UBD		ubiquitin D	2.258488	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0033 34	UBE1		ubiquitin-activating enzyme E1 (A1S9T and BN75 temperature sensitivity complementing)	-0.964913	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0033 34	UBE1		ubiquitin-activating enzyme E1 (A1S9T and BN75 temperature sensitivity complementing)	-0.922467	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Gene ID	Gene Name	Value	Category
siRNA-Vinblastine Run2-DMSO	UBE1	NM_003334	ubiquitin-activating enzyme E1 (A1S9T and BN75 temperature sensitivity complementing)	-0.426533	Inlier
siRNA Disorazole DMSO Run3	UBE1	NM_003334	ubiquitin-activating enzyme E1 (A1S9T and BN75 temperature sensitivity complementing)	-0.281374	Inlier
siRNA Disorazole DMSO Run1	UBE1	NM_003334	ubiquitin-activating enzyme E1 (A1S9T and BN75 temperature sensitivity complementing)	0.281374	Inlier
siRNA-Temozolomide Run1-DMSO	UBE1	NM_003334	ubiquitin-activating enzyme E1 (A1S9T and BN75 temperature sensitivity complementing)	0.29262	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	34	NM_0033	UBE1	ubiquitin-activating enzyme E1 (A1S9T and BN75 temperature sensitivity complementing)	1.435692	Inlier
siRNA-Vinblastine Run1-DMSO	34	NM_0033	UBE1	ubiquitin-activating enzyme E1C (UBA3 homolog, yeast)	1.838545	Inlier
siRNA-Temozolomide Run3-DMSO	97	NM_1981	UBE1C	ubiquitin-activating enzyme E1C (UBA3 homolog, yeast)	-1.604012	Inlier
siRNA-Temozolomide Run2-DMSO	97	NM_1981	UBE1C	ubiquitin-activating enzyme E1C (UBA3 homolog, yeast)	-1.182734	Inlier
siRNA Disorazole DMSO Run3	97	NM_1981	UBE1C	ubiquitin-activating enzyme E1C (UBA3 homolog, yeast)	-0.198177	Inlier
siRNA Disorazole DMSO Run1	97	NM_1981	UBE1C	ubiquitin-activating enzyme E1C (UBA3 homolog, yeast)	-0.096117	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_1981 97	UBE1C	ubiquitin-activating enzyme E1C (UBA3 homolog, yeast)	0.096117	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1981 97	UBE1C	ubiquitin-activating enzyme E1C (UBA3 homolog, yeast)	0.184476	Inlier
siRNA Disorazole DMSO Run2	NM_1981 97	UBE1C	ubiquitin-activating enzyme E1C (UBA3 homolog, yeast)	1.150823	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1981 97	UBE1C	ubiquitin-activating enzyme E1C (UBA3 homolog, yeast)	1.569546	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0033 35	UBE1L	ubiquitin-activating enzyme E1-like	-4.113832	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0033 35	UBE1L	ubiquitin-activating enzyme E1-like	-3.370664	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0033 35	UBE1L	ubiquitin-activating enzyme E1-like	-0.582171	Inlier
siRNA Disorazole DMSO Run1	NM_0033 35	UBE1L	ubiquitin-activating enzyme E1-like	-0.090759	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0033 35	UBE1L	ubiquitin-activating enzyme E1-like	0.090759	Inlier
siRNA Disorazole DMSO Run3	NM_0033 35	UBE1L	ubiquitin-activating enzyme E1-like	0.510117	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0033 35	UBE1L	ubiquitin-activating enzyme E1-like	0.766828	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0033 35	UBE1L	ubiquitin-activating enzyme E1-like	1.364809	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0033 36	UBE2A	ubiquitin-conjugating enzyme E2A (RAD6 homolog)	-2.197601	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0033 36	UBE2A	ubiquitin-conjugating enzyme E2A (RAD6 homolog)	-1.974936	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0033 36	UBE2A	ubiquitin-conjugating enzyme E2A (RAD6 homolog)	-0.140563	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0033 36	UBE2A	ubiquitin-conjugating enzyme E2A (RAD6 homolog)	-0.00878	Inlier
siRNA Disorazole DMSO Run1	NM_0033 36	UBE2A	ubiquitin-conjugating enzyme E2A (RAD6 homolog)	0.00878	Inlier
siRNA Disorazole DMSO Run3	NM_0033 36	UBE2A	ubiquitin-conjugating enzyme E2A (RAD6 homolog)	0.329004	Inlier
siRNA Disorazole DMSO Run2	NM_0033 36	UBE2A	ubiquitin-conjugating enzyme E2A (RAD6 homolog)	1.019995	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log Fold Change	Outlier Status
siRNA-Vinblastine Run1-DMSO	NM_003336	UBE2A	ubiquitin-conjugating enzyme E2A (RAD6 homolog)	1.369444	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003337	UBE2B	ubiquitin-conjugating enzyme E2B (RAD6 homolog)	-1.077053	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003337	UBE2B	ubiquitin-conjugating enzyme E2B (RAD6 homolog)	-0.271947	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003337	UBE2B	ubiquitin-conjugating enzyme E2B (RAD6 homolog)	-0.207478	Inlier
siRNA Disorazole DMSO Run3	NM_003337	UBE2B	ubiquitin-conjugating enzyme E2B (RAD6 homolog)	-0.172841	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003337	UBE2B	ubiquitin-conjugating enzyme E2B (RAD6 homolog)	0.172841	Inlier
siRNA Disorazole DMSO Run1	NM_003337	UBE2B	ubiquitin-conjugating enzyme E2B (RAD6 homolog)	1.256979	Inlier
siRNA Disorazole DMSO Run2	NM_003337	UBE2B	ubiquitin-conjugating enzyme E2B (RAD6 homolog)	1.649131	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_003337	UBE2B	ubiquitin-conjugating enzyme E2B (RAD6 homolog)	2.207191	Inlier
siRNA-Temozolomide Run3-DMSO	NM_181801	UBE2C	ubiquitin-conjugating enzyme E2C	-0.79955	Inlier
siRNA-Temozolomide Run2-DMSO	NM_181801	UBE2C	ubiquitin-conjugating enzyme E2C	-0.791808	Inlier
siRNA-Vinblastine Run2-DMSO	NM_181801	UBE2C	ubiquitin-conjugating enzyme E2C	-0.557192	Inlier
siRNA-Temozolomide Run1-DMSO	NM_181801	UBE2C	ubiquitin-conjugating enzyme E2C	-0.288342	Inlier
siRNA Disorazole DMSO Run1	NM_181801	UBE2C	ubiquitin-conjugating enzyme E2C	0.288342	Inlier
siRNA Disorazole DMSO Run3	NM_181801	UBE2C	ubiquitin-conjugating enzyme E2C	0.468124	Inlier
siRNA Disorazole DMSO Run2	NM_181801	UBE2C	ubiquitin-conjugating enzyme E2C	1.557701	Inlier
siRNA-Vinblastine Run1-DMSO	NM_181801	UBE2C	ubiquitin-conjugating enzyme E2C	1.779472	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003338	UBE2D1	ubiquitin-conjugating enzyme E2D 1 (UBC4/5 homolog, yeast)	-1.12384	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003338	UBE2D1	ubiquitin-conjugating enzyme E2D 1 (UBC4/5 homolog, yeast)	-0.96028	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0033 38	UBE2D1	ubiquitin-conjugating enzyme E2D 1 (UBC4/5 homolog, yeast)	-0.236298	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0033 38	UBE2D1	ubiquitin-conjugating enzyme E2D 1 (UBC4/5 homolog, yeast)	-0.017944	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0033 38	UBE2D1	ubiquitin-conjugating enzyme E2D 1 (UBC4/5 homolog, yeast)	0.017944	Inlier
siRNA Disorazole DMSO Run1	NM_0033 38	UBE2D1	ubiquitin-conjugating enzyme E2D 1 (UBC4/5 homolog, yeast)	0.38872	Inlier
siRNA Disorazole DMSO Run2	NM_0033 38	UBE2D1	ubiquitin-conjugating enzyme E2D 1 (UBC4/5 homolog, yeast)	1.115311	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0033 38	UBE2D1	ubiquitin-conjugating enzyme E2D 2 (UBC4/5 homolog, yeast)	1.130476	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0033 39	UBE2D2	ubiquitin-conjugating enzyme E2D 2 (UBC4/5 homolog, yeast)	-0.740895	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Description	Score	Category
siRNA-Temozolomide Run3-DMSO	NM_003339	UBE2D2	ubiquitin-conjugating enzyme E2D 2 (UBC4/5 homolog, yeast)	-0.608105	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003339	UBE2D2	ubiquitin-conjugating enzyme E2D 2 (UBC4/5 homolog, yeast)	-0.374204	Inlier
siRNA Disorazole DMSO Run3	NM_003339	UBE2D2	ubiquitin-conjugating enzyme E2D 2 (UBC4/5 homolog, yeast)	-0.217276	Inlier
siRNA Disorazole DMSO Run1	NM_003339	UBE2D2	ubiquitin-conjugating enzyme E2D 2 (UBC4/5 homolog, yeast)	0.217276	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003339	UBE2D2	ubiquitin-conjugating enzyme E2D 2 (UBC4/5 homolog, yeast)	1.173092	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003339	UBE2D2	ubiquitin-conjugating enzyme E2D 2 (UBC4/5 homolog, yeast)	5.649798	Outlier
siRNA Disorazole DMSO Run2	NM_003339	UBE2D2	ubiquitin-conjugating enzyme E2D 2 (UBC4/5 homolog, yeast)	5.766036	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Score	Outlier Status
siRNA-Temozolomide Run1-DMSO	NM_181886	UBE2D3	ubiquitin-conjugating enzyme E2D 3 (UBC4/5 homolog, yeast)	-0.745102	Inlier
siRNA Disorazole DMSO Run1	NM_181886	UBE2D3	ubiquitin-conjugating enzyme E2D 3 (UBC4/5 homolog, yeast)	-0.603898	Inlier
siRNA-Vinblastine Run2-DMSO	NM_181886	UBE2D3	ubiquitin-conjugating enzyme E2D 3 (UBC4/5 homolog, yeast)	-0.474279	Inlier
siRNA Disorazole DMSO Run3	NM_181886	UBE2D3	ubiquitin-conjugating enzyme E2D 3 (UBC4/5 homolog, yeast)	-0.130109	Inlier
siRNA-Temozolomide Run2-DMSO	NM_181886	UBE2D3	ubiquitin-conjugating enzyme E2D 3 (UBC4/5 homolog, yeast)	0.130107	Inlier
siRNA-Temozolomide Run3-DMSO	NM_181886	UBE2D3	ubiquitin-conjugating enzyme E2D 3 (UBC4/5 homolog, yeast)	0.939757	Inlier
siRNA Disorazole DMSO Run2	NM_181886	UBE2D3	ubiquitin-conjugating enzyme E2D 3 (UBC4/5 homolog, yeast)	2.332429	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_181886	UBE2D3	ubiquitin-conjugating enzyme E2D3 (UBC4/5 homolog, yeast)	2.43733	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003341	UBE2E1	ubiquitin-conjugating enzyme E2E1 (UBC4/5 homolog, yeast)	-1.810665	Inlier
siRNA Disorazole DMSO Run1	NM_003341	UBE2E1	ubiquitin-conjugating enzyme E2E1 (UBC4/5 homolog, yeast)	-1.176921	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003341	UBE2E1	ubiquitin-conjugating enzyme E2E1 (UBC4/5 homolog, yeast)	-0.466319	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003341	UBE2E1	ubiquitin-conjugating enzyme E2E1 (UBC4/5 homolog, yeast)	-0.178166	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003341	UBE2E1	ubiquitin-conjugating enzyme E2E1 (UBC4/5 homolog, yeast)	0.178167	Inlier
siRNA Disorazole DMSO Run2	NM_003341	UBE2E1	ubiquitin-conjugating enzyme E2E1 (UBC4/5 homolog, yeast)	0.533912	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0033 41	UBE2E1	ubiquitin-conjugating enzyme E2E 1 (UBC4/5 homolog, yeast)	0.815088	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0033 41	UBE2E1	ubiquitin-conjugating enzyme E2E 1 (UBC4/5 homolog, yeast)	1.014183	Inlier
siRNA Disorazole DMSO Run1	NM_0063 57	UBE2E3	ubiquitin-conjugating enzyme E2E 3 (UBC4/5 homolog, yeast)	-1.43414	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0063 57	UBE2E3	ubiquitin-conjugating enzyme E2E 3 (UBC4/5 homolog, yeast)	-1.0953	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0063 57	UBE2E3	ubiquitin-conjugating enzyme E2E 3 (UBC4/5 homolog, yeast)	-0.475649	Inlier
siRNA Disorazole DMSO Run3	NM_0063 57	UBE2E3	ubiquitin-conjugating enzyme E2E 3 (UBC4/5 homolog, yeast)	-0.080674	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0063 57	UBE2E3	ubiquitin-conjugating enzyme E2E 3 (UBC4/5 homolog, yeast)	0.080673	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_006357	UBE2E3	ubiquitin-conjugating enzyme E2E3 (UBC4/5 homolog, yeast)	0.331317	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006357	UBE2E3	ubiquitin-conjugating enzyme E2E3 (UBC4/5 homolog, yeast)	0.873351	Inlier
siRNA Disorazole DMSO Run2	NM_006357	UBE2E3	ubiquitin-conjugating enzyme E2G1 (UBC7 homolog, C. elegans)	0.965611	Inlier
siRNA Disorazole DMSO Run1	NM_003342	UBE2G1	ubiquitin-conjugating enzyme E2G1 (UBC7 homolog, C. elegans)	-1.462078	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003342	UBE2G1	ubiquitin-conjugating enzyme E2G1 (UBC7 homolog, C. elegans)	-0.794113	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003342	UBE2G1	ubiquitin-conjugating enzyme E2G1 (UBC7 homolog, C. elegans)	-0.290721	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_003342	UBE2G1	ubiquitin-conjugating enzyme E2G 1 (UBC7 homolog, C. elegans)	-0.042418	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003342	UBE2G1	ubiquitin-conjugating enzyme E2G 1 (UBC7 homolog, C. elegans)	0.042418	Inlier
siRNA Disorazole DMSO Run3	NM_003342	UBE2G1	ubiquitin-conjugating enzyme E2G 1 (UBC7 homolog, C. elegans)	0.554887	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003342	UBE2G1	ubiquitin-conjugating enzyme E2G 1 (UBC7 homolog, C. elegans)	1.727416	Inlier
siRNA Disorazole DMSO Run2	NM_003342	UBE2G1	ubiquitin-conjugating enzyme E2G 2 (UBC7 homolog, yeast)	2.354146	Inlier
siRNA Disorazole DMSO Run1	NM_003343	UBE2G2	ubiquitin-conjugating enzyme E2G 2 (UBC7 homolog, yeast)	-2.623287	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log Fold Change	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_003343	UBE2G2	ubiquitin-conjugating enzyme E2G 2 (UBC7 homolog, yeast)	-0.792433	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003343	UBE2G2	ubiquitin-conjugating enzyme E2G 2 (UBC7 homolog, yeast)	-0.259461	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003343	UBE2G2	ubiquitin-conjugating enzyme E2G 2 (UBC7 homolog, yeast)	-0.046123	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003343	UBE2G2	ubiquitin-conjugating enzyme E2G 2 (UBC7 homolog, yeast)	0.046123	Inlier
siRNA Disorazole DMSO Run3	NM_003343	UBE2G2	ubiquitin-conjugating enzyme E2G 2 (UBC7 homolog, yeast)	0.556567	Inlier
siRNA Disorazole DMSO Run2	NM_003343	UBE2G2	ubiquitin-conjugating enzyme E2G 2 (UBC7 homolog, yeast)	1.310663	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003343	UBE2G2	ubiquitin-conjugating enzyme E2G 2 (UBC7 homolog, yeast)	1.360808	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_182697	UBE2H	ubiquitin-conjugating enzyme E2H (UBC8 homolog, yeast)	-1.432976	Inlier
siRNA-Temozolomide Run3-DMSO	NM_182697	UBE2H	ubiquitin-conjugating enzyme E2H (UBC8 homolog, yeast)	-0.841887	Inlier
siRNA Disorazole DMSO Run2	NM_182697	UBE2H	ubiquitin-conjugating enzyme E2H (UBC8 homolog, yeast)	-0.507113	Inlier
siRNA-Vinblastine Run2-DMSO	NM_182697	UBE2H	ubiquitin-conjugating enzyme E2H (UBC8 homolog, yeast)	-0.040339	Inlier
siRNA-Temozolomide Run1-DMSO	NM_182697	UBE2H	ubiquitin-conjugating enzyme E2H (UBC8 homolog, yeast)	0.040339	Inlier
siRNA Disorazole DMSO Run1	NM_182697	UBE2H	ubiquitin-conjugating enzyme E2H (UBC8 homolog, yeast)	0.091616	Inlier
siRNA Disorazole DMSO Run3	NM_182697	UBE2H	ubiquitin-conjugating enzyme E2H (UBC8 homolog, yeast)	2.98031	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_182697	UBE2H	ubiquitin-conjugating enzyme E2H (UBC8 homolog, yeast)	5.260227	Outlier
siRNA-Temozolomide Run3-DMSO	NM_194261	UBE2I	ubiquitin-conjugating enzyme E2I (UBC9 homolog, yeast)	-1.559058	Inlier
siRNA-Temozolomide Run2-DMSO	NM_194261	UBE2I	ubiquitin-conjugating enzyme E2I (UBC9 homolog, yeast)	-0.735518	Inlier
siRNA Disorazole DMSO Run1	NM_194261	UBE2I	ubiquitin-conjugating enzyme E2I (UBC9 homolog, yeast)	-0.560515	Inlier
siRNA-Temozolomide Run1-DMSO	NM_194261	UBE2I	ubiquitin-conjugating enzyme E2I (UBC9 homolog, yeast)	-0.363146	Inlier
siRNA-Vinblastine Run2-DMSO	NM_194261	UBE2I	ubiquitin-conjugating enzyme E2I (UBC9 homolog, yeast)	0.363146	Inlier
siRNA Disorazole DMSO Run3	NM_194261	UBE2I	ubiquitin-conjugating enzyme E2I (UBC9 homolog, yeast)	0.613482	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_1942 61	UBE2I	ubiquitin-conjugating enzyme E2I (UBC9 homolog, yeast)	1.943289	Inlier
siRNA Disorazole DMSO Run2	NM_1942 61	UBE2I	ubiquitin-conjugating enzyme E2I (UBC9 homolog, yeast)	2.10552	Inlier
siRNA Disorazole DMSO Run1	NM_1944 58	UBE2J2	ubiquitin-conjugating enzyme E2, J2 (UBC6 homolog, yeast)	-1.147945	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1944 58	UBE2J2	ubiquitin-conjugating enzyme E2, J2 (UBC6 homolog, yeast)	-0.201055	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1944 58	UBE2J2	ubiquitin-conjugating enzyme E2, J2 (UBC6 homolog, yeast)	-0.117006	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1944 58	UBE2J2	ubiquitin-conjugating enzyme E2, J2 (UBC6 homolog, yeast)	-0.072751	Inlier
siRNA Disorazole DMSO Run3	NM_1944 58	UBE2J2	ubiquitin-conjugating enzyme E2, J2 (UBC6 homolog, yeast)	0.072751	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_1944 58	UBE2J2	ubiquitin-conjugating enzyme E2, J2 (UBC6 homolog, yeast)	2.18787	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1944 58	UBE2J2	ubiquitin-conjugating enzyme E2, J2 (UBC6 homolog, yeast)	2.86752	Inlier
siRNA Disorazole DMSO Run2	NM_1944 58	UBE2J2	ubiquitin-conjugating enzyme E2, J2 (UBC6 homolog, yeast)	2.957191	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1981 57	UBE2L3	ubiquitin-conjugating enzyme E2L 3	-0.72156	Inlier
siRNA Disorazole DMSO Run3	NM_1981 57	UBE2L3	ubiquitin-conjugating enzyme E2L 3	-0.62744	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1981 57	UBE2L3	ubiquitin-conjugating enzyme E2L 3	-0.609233	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1981 57	UBE2L3	ubiquitin-conjugating enzyme E2L 3	-0.021598	Inlier
siRNA Disorazole DMSO Run1	NM_1981 57	UBE2L3	ubiquitin-conjugating enzyme E2L 3	0.021598	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1981 57	UBE2L3	ubiquitin-conjugating enzyme E2L 3	0.905866	Inlier
siRNA Disorazole DMSO Run2	NM_1981 57	UBE2L3	ubiquitin-conjugating enzyme E2L 3	2.931931	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_1981 57	UBE2L3	ubiquitin-conjugating enzyme E2L 3	3.014218	Inlier
siRNA Disorazole DMSO Run1	NM_1981 83	UBE2L6	ubiquitin-conjugating enzyme E2L 6	-1.139201	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1981 83	UBE2L6	ubiquitin-conjugating enzyme E2L 6	-0.625999	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1981 83	UBE2L6	ubiquitin-conjugating enzyme E2L 6	-0.329623	Inlier
siRNA Disorazole DMSO Run3	NM_1981 83	UBE2L6	ubiquitin-conjugating enzyme E2L 6	-0.111607	Inlier
siRNA Disorazole DMSO Run2	NM_1981 83	UBE2L6	ubiquitin-conjugating enzyme E2L 6	0.111608	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1981 83	UBE2L6	ubiquitin-conjugating enzyme E2L 6	0.723001	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1981 83	UBE2L6	ubiquitin-conjugating enzyme E2L 6	1.004671	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1981 83	UBE2L6	ubiquitin-conjugating enzyme E2L 6	1.528113	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0039 69	UBE2M	ubiquitin-conjugating enzyme E2M (UBC12 homolog, yeast)	-2.162639	Inlier
siRNA Disorazole DMSO Run3	NM_0039 69	UBE2M	ubiquitin-conjugating enzyme E2M (UBC12 homolog, yeast)	-0.829933	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_003969	UBE2M	ubiquitin-conjugating enzyme E2M (UBC12 homolog, yeast)	-0.519067	Inlier
siRNA Disorazole DMSO Run1	NM_003969	UBE2M	ubiquitin-conjugating enzyme E2M (UBC12 homolog, yeast)	-0.249808	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003969	UBE2M	ubiquitin-conjugating enzyme E2M (UBC12 homolog, yeast)	0.249808	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003969	UBE2M	ubiquitin-conjugating enzyme E2M (UBC12 homolog, yeast)	0.434164	Inlier
siRNA Disorazole DMSO Run2	NM_003969	UBE2M	ubiquitin-conjugating enzyme E2M (UBC12 homolog, yeast)	1.839659	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003969	UBE2M	ubiquitin-conjugating enzyme E2N (UBC13 homolog, yeast)	2.01334	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003348	UBE2N	ubiquitin-conjugating enzyme E2N (UBC13 homolog, yeast)	-1.764185	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0033 48	UBE2N	ubiquitin-conjugating enzyme E2N (UBC13 homolog, yeast)	-0.842609	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0033 48	UBE2N	ubiquitin-conjugating enzyme E2N (UBC13 homolog, yeast)	-0.104169	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0033 48	UBE2N	ubiquitin-conjugating enzyme E2N (UBC13 homolog, yeast)	-0.029493	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0033 48	UBE2N	ubiquitin-conjugating enzyme E2N (UBC13 homolog, yeast)	0.029493	Inlier
siRNA Disorazole DMSO Run3	NM_0033 48	UBE2N	ubiquitin-conjugating enzyme E2N (UBC13 homolog, yeast)	0.506391	Inlier
siRNA Disorazole DMSO Run2	NM_0033 48	UBE2N	ubiquitin-conjugating enzyme E2N (UBC13 homolog, yeast)	0.904626	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0033 48	UBE2N	ubiquitin-conjugating enzyme E2N (UBC13 homolog, yeast)	2.444183	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0175 82	UBE2Q	ubiquitin-conjugating enzyme E2Q (putative)	-0.89792	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0175 82	UBE2Q	ubiquitin-conjugating enzyme E2Q (putative)	-0.71235	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0175 82	UBE2Q	ubiquitin-conjugating enzyme E2Q (putative)	-0.708467	Inlier
siRNA Disorazole DMSO Run1	NM_0175 82	UBE2Q	ubiquitin-conjugating enzyme E2Q (putative)	-0.474992	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0175 82	UBE2Q	ubiquitin-conjugating enzyme E2Q (putative)	0.474992	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0175 82	UBE2Q	ubiquitin-conjugating enzyme E2Q (putative)	0.528428	Inlier
siRNA Disorazole DMSO Run3	NM_0175 82	UBE2Q	ubiquitin-conjugating enzyme E2Q (putative)	0.640532	Inlier
siRNA Disorazole DMSO Run2	NM_0175 82	UBE2Q	ubiquitin-conjugating enzyme E2Q (putative)	0.801245	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0178 11	UBE2R2	ubiquitin-conjugating enzyme E2R 2	-1.078184	Inlier
siRNA Disorazole DMSO Run3	NM_0178 11	UBE2R2	ubiquitin-conjugating enzyme E2R 2	-0.648934	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0178 11	UBE2R2	ubiquitin-conjugating enzyme E2R 2	-0.50555	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0178 11	UBE2R2	ubiquitin-conjugating enzyme E2R 2	-0.481091	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0178 11	UBE2R2	ubiquitin-conjugating enzyme E2R 2	0.481092	Inlier
siRNA Disorazole DMSO Run1	NM_0178 11	UBE2R2	ubiquitin-conjugating enzyme E2R 2	0.700066	Inlier
siRNA Disorazole DMSO Run2	NM_0178 11	UBE2R2	ubiquitin-conjugating enzyme E2R 2	0.792888	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0178 11	UBE2R2	ubiquitin-conjugating enzyme E2R 2	1.423819	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0145 01	UBE2S	ubiquitin-conjugating enzyme E2S	-1.507834	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0145 01	UBE2S	ubiquitin-conjugating enzyme E2S	-0.792958	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0145 01	UBE2S	ubiquitin-conjugating enzyme E2S	-0.328032	Inlier
siRNA Disorazole DMSO Run1	NM_0145 01	UBE2S	ubiquitin-conjugating enzyme E2S	-0.296231	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0145 01	UBE2S	ubiquitin-conjugating enzyme E2S	0.296231	Inlier
siRNA Disorazole DMSO Run3	NM_0145 01	UBE2S	ubiquitin-conjugating enzyme E2S	0.556042	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0145 01	UBE2S	ubiquitin-conjugating enzyme E2S	2.179632	Inlier
siRNA Disorazole DMSO Run2	NM_0145 01	UBE2S	ubiquitin-conjugating enzyme E2S	2.543565	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0033 50	UBE2V2	ubiquitin-conjugating enzyme E2 variant 2	-0.867328	Inlier
siRNA Disorazole DMSO Run3	NM_0033 50	UBE2V2	ubiquitin-conjugating enzyme E2 variant 2	-0.757374	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0033 50	UBE2V2	ubiquitin-conjugating enzyme E2 variant 2	-0.591626	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0033 50	UBE2V2	ubiquitin-conjugating enzyme E2 variant 2	-0.332246	Inlier
siRNA Disorazole DMSO Run1	NM_0033 50	UBE2V2	ubiquitin-conjugating enzyme E2 variant 2	0.332246	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0033 50	UBE2V2	ubiquitin-conjugating enzyme E2 variant 2	0.567906	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0033 50	UBE2V2	ubiquitin-conjugating enzyme E2 variant 2	3.87117	Outlier
siRNA Disorazole DMSO Run2	NM_0033 50	UBE2V2	ubiquitin-conjugating enzyme E2 variant 2	4.914126	Outlier
siRNA-Temozolomide Run3-DMSO	NM_1308 38	UBE3A	ubiquitin protein ligase E3A (human papilloma virus E6-associated protein, Angelman syndrome)	-1.52458	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_130838	UBE3A	ubiquitin protein ligase E3A (human papilloma virus E6-associated protein, Angelman syndrome)	-0.981715	Inlier
siRNA Disorazole DMSO Run3	NM_130838	UBE3A	ubiquitin protein ligase E3A (human papilloma virus E6-associated protein, Angelman syndrome)	-0.529432	Inlier
siRNA-Vinblastine Run2-DMSO	NM_130838	UBE3A	ubiquitin protein ligase E3A (human papilloma virus E6-associated protein, Angelman syndrome)	-0.096076	Inlier
siRNA-Temozolomide Run1-DMSO	NM_130838	UBE3A	ubiquitin protein ligase E3A (human papilloma virus E6-associated protein, Angelman syndrome)	0.096076	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1308 38	UBE3A	ubiquitin protein ligase E3A (human papilloma virus E6- associated protein, Angelman syndrome)	0.289249	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1308 38	UBE3A	ubiquitin protein ligase E3A (human papilloma virus E6- associated protein, Angelman syndrome)	0.819568	Inlier
siRNA Disorazole DMSO Run2	NM_1308 38	UBE3A	ubiquitin protein ligase E3A (human papilloma virus E6- associated protein, Angelman syndrome)	0.907254	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1834 15	UBE3B	ubiquitin protein ligase E3B	-0.925758	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1834 15	UBE3B	ubiquitin protein ligase E3B	-0.785964	Inlier
siRNA Disorazole DMSO Run3	NM_1834 15	UBE3B	ubiquitin protein ligase E3B	-0.57031	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1834 15	UBE3B	ubiquitin protein ligase E3B	-0.493774	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_1834 15	UBE3B	ubiquitin protein ligase E3B	0.493773	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1834 15	UBE3B	ubiquitin protein ligase E3B	0.609399	Inlier
siRNA Disorazole DMSO Run2	NM_1834 15	UBE3B	ubiquitin protein ligase E3B	0.739601	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1834 15	UBE3B	ubiquitin protein ligase E3B	2.145945	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0047 88	UBE4A	ubiquitin protein ligase E3B ubiquitin on factor E4A (UFD2 homolog, yeast)	-1.731711	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0047 88	UBE4A	ubiquitin protein ligase E3B ubiquitin on factor E4A (UFD2 homolog, yeast)	-0.73041	Inlier
siRNA Disorazole DMSO Run3	NM_0047 88	UBE4A	ubiquitin protein ligase E3B ubiquitin on factor E4A (UFD2 homolog, yeast)	-0.271986	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0047 88	UBE4A	ubiquitin protein ligase E3B ubiquitin on factor E4A (UFD2 homolog, yeast)	-0.271924	Inlier
siRNA Disorazole DMSO Run1	NM_0047 88	UBE4A	ubiquitin protein ligase E3B ubiquitin on factor E4A (UFD2 homolog, yeast)	0.271925	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0047 88	UBE4A	ubiquitin protein ligase E3B ubiquitin on factor E4A (UFD2 homolog, yeast)	0.61859	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0060 48	UBE4B	ubiquitinati on factor E4B (UFD2 homolog, yeast)	2.097909	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0060 48	UBE4B	ubiquitinati on factor E4B (UFD2 homolog, yeast)	2.552049	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0242 92	UBL5	ubiquitin- like 5	-1.32626	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0242 92	UBL5	ubiquitin- like 5	-0.711953	Inlier
siRNA Disorazole DMSO Run3	NM_0242 92	UBL5	ubiquitin- like 5	-0.637047	Inlier
siRNA Disorazole DMSO Run1	NM_0242 92	UBL5	ubiquitin- like 5	-0.006554	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0242 92	UBL5	ubiquitin- like 5	0.006553	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0242 92	UBL5	ubiquitin- like 5	0.344484	Inlier
siRNA Disorazole DMSO Run2	NM_0242 92	UBL5	ubiquitin- like 5	11.34486	Outlier
siRNA-Vinblastine Run1- DMSO	NM_0242 92	UBL5	ubiquitin- like 5	18.36638	Outlier
siRNA-Temozolomide Run2- DMSO	NM_0175 49	UCC1	ependymin related protein 1 (zebrafish)	-0.83454	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0175 49	UCC1	ependymin related protein 1 (zebrafish)	-0.773995	Inlier
siRNA Disorazole DMSO Run1	NM_0175 49	UCC1	ependymin related protein 1 (zebrafish)	-0.482237	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0175 49	UCC1	ependymin related protein 1 (zebrafish)	-0.142969	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0175 49	UCC1	ependymin related protein 1 (zebrafish)	0.142969	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0175 49	UCC1	ependymin related protein 1 (zebrafish)	0.662082	Inlier
siRNA Disorazole DMSO Run3	NM_0175 49	UCC1	ependymin related protein 1 (zebrafish)	0.686918	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0175 49	UCC1	ependymin related protein 1 (zebrafish)	0.919866	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0041 81	UCHL1	ubiquitin carboxyl- terminal esterase L1 (ubiquitin thiolesterase)	-1.37074	Inlier
siRNA Disorazole DMSO Run2	NM_0041 81	UCHL1	ubiquitin carboxyl- terminal esterase L1 (ubiquitin thiolesterase)	-0.767089	Inlier
siRNA Disorazole DMSO Run1	NM_0041 81	UCHL1	ubiquitin carboxyl- terminal esterase L1 (ubiquitin thiolesterase)	-0.453604	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0041 81	UCHL1	ubiquitin thiolesterase)	-0.070262	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0041 81	UCHL1	ubiquitin carboxyl- terminal esterase L1 (ubiquitin thiolesterase)	0.07026	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0041 81	UCHL1	ubiquitin carboxyl- terminal esterase L1 (ubiquitin thiolesterase)	0.581911	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0041 81	UCHL1	ubiquitin carboxyl- terminal esterase L1 (ubiquitin thiolesterase)	2.926854	Inlier
siRNA Disorazole DMSO Run3	NM_0041 81	UCHL1	ubiquitin carboxyl- terminal esterase L1 (ubiquitin thiolesterase)	15.65414	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0060 02	UCHL3	ubiquitin carboxyl- terminal esterase L3 (ubiquitin thiolesterase)	-2.026294	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0060 02	UCHL3	ubiquitin carboxyl- terminal esterase L3 (ubiquitin thiolesterase)	-1.189642	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_006002	UCHL3	ubiquitin carboxyl-terminal esterase L3 (ubiquitin thiolesterase)	-0.387673	Inlier
siRNA Disorazole DMSO Run1	NM_006002	UCHL3	ubiquitin carboxyl-terminal esterase L3 (ubiquitin thiolesterase)	-0.189566	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006002	UCHL3	ubiquitin carboxyl-terminal esterase L3 (ubiquitin thiolesterase)	0.189566	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006002	UCHL3	ubiquitin carboxyl-terminal esterase L3 (ubiquitin thiolesterase)	0.617896	Inlier
siRNA Disorazole DMSO Run2	NM_006002	UCHL3	ubiquitin carboxyl-terminal esterase L3 (ubiquitin thiolesterase)	0.731104	Inlier
siRNA Disorazole DMSO Run3	NM_006002	UCHL3	ubiquitin carboxyl-terminal esterase L3 (ubiquitin thiolesterase)	3.010537	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0159 84	UCHL5	ubiquitin carboxyl- terminal hydrolase L5	-2.540536	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0159 84	UCHL5	ubiquitin carboxyl- terminal hydrolase L5	-1.963512	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0159 84	UCHL5	ubiquitin carboxyl- terminal hydrolase L5	-0.272745	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0159 84	UCHL5	ubiquitin carboxyl- terminal hydrolase L5	-0.202765	Inlier
siRNA Disorazole DMSO Run3	NM_0159 84	UCHL5	ubiquitin carboxyl- terminal hydrolase L5	0.202764	Inlier
siRNA Disorazole DMSO Run1	NM_0159 84	UCHL5	ubiquitin carboxyl- terminal hydrolase L5	0.513351	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0159 84	UCHL5	ubiquitin carboxyl- terminal hydrolase L5	0.835649	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0159 84	UCHL5	ubiquitin carboxyl- terminal hydrolase L5	0.984251	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0314 32	UCK1	uridine- cytidine kinase 1	-2.955266	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0314 32	UCK1	uridine- cytidine kinase 1	-0.853615	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0314 32	UCK1	uridine- cytidine kinase 1	-0.752177	Inlier
siRNA Disorazole DMSO Run1	NM_0314 32	UCK1	uridine- cytidine kinase 1	-0.462299	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0314 32	UCK1	uridine- cytidine kinase 1	0.4623 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0314 32	UCK1	uridine- cytidine kinase 1	0.58212 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0314 32	UCK1	uridine- cytidine kinase 1	0.596823 Inlier
siRNA Disorazole DMSO Run3	NM_0314 32	UCK1	uridine- cytidine kinase 1	2.214978 Inlier
siRNA Disorazole DMSO Run2	NM_0124 74	UCK2	uridine- cytidine kinase 2	-1.052572 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0124 74	UCK2	uridine- cytidine kinase 2	-0.715845 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0124 74	UCK2	uridine- cytidine kinase 2	-0.098072 Inlier
siRNA-Temozolomide Run2- DMSO	NM_0124 74	UCK2	uridine- cytidine kinase 2	-0.093525 Inlier
siRNA Disorazole DMSO Run1	NM_0124 74	UCK2	uridine- cytidine kinase 2	0.093524 Inlier
siRNA Disorazole DMSO Run3	NM_0124 74	UCK2	uridine- cytidine kinase 2	0.633155 Inlier
siRNA-Vinblastine Run2- DMSO	NM_0124 74	UCK2	uridine- cytidine kinase 2	0.732975 Inlier
siRNA-Vinblastine Run1- DMSO	NM_0124 74	UCK2	uridine- cytidine kinase 2	0.799571 Inlier
siRNA Disorazole DMSO Run2	NM_0178 59	UCKL1	uridine- cytidine kinase 1- like 1	-0.767457 Inlier
siRNA Disorazole DMSO Run1	NM_0178 59	UCKL1	uridine- cytidine kinase 1- like 1	-0.707253 Inlier
siRNA-Temozolomide Run3- DMSO	NM_0178 59	UCKL1	uridine- cytidine kinase 1- like 1	-0.698898 Inlier
siRNA-Temozolomide Run1- DMSO	NM_0178 59	UCKL1	uridine- cytidine kinase 1- like 1	-0.155012 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0178 59	UCKL1	uridine-cytidine kinase 1-like 1	0.155012	Inlier
siRNA Disorazole DMSO Run3	NM_0178 59	UCKL1	uridine-cytidine kinase 1-like 1	0.446249	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0178 59	UCKL1	uridine-cytidine kinase 1-like 1	0.650102	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0178 59	UCKL1	uridine-cytidine kinase 1-like 1	0.740055	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0218 33	UCP1	uncoupling protein 1 (mitochondrial, proton carrier)	-1.858867	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0218 33	UCP1	uncoupling protein 1 (mitochondrial, proton carrier)	-0.695058	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0218 33	UCP1	uncoupling protein 1 (mitochondrial, proton carrier)	-0.653942	Inlier
siRNA Disorazole DMSO Run1	NM_0218 33	UCP1	uncoupling protein 1 (mitochondrial, proton carrier)	-0.058033	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0218 33	UCP1	uncoupling protein 1 (mitochondrial, proton carrier)	0.058033	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0218 33	UCP1	uncoupling protein 1 (mitochondrial, proton carrier)	0.647984	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0218 33	UCP1	uncoupling protein 1 (mitochondrial, proton carrier)	1.658553	Inlier
siRNA Disorazole DMSO Run2	NM_0218 33	UCP1	uncoupling protein 1 (mitochondrial, proton carrier)	2.023155	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0033 55	UCP2	uncoupling protein 2 (mitochondrial, proton carrier)	-1.043422	Inlier
siRNA Disorazole DMSO Run1	NM_0033 55	UCP2	uncoupling protein 2 (mitochondrial, proton carrier)	-0.796033	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0033 55	UCP2	uncoupling protein 2 (mitochondrial, proton carrier)	-0.552967	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0033 55	UCP2	uncoupling protein 2 (mitochondrial, proton carrier)	-0.026609	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0033 55	UCP2	uncoupling protein 2 (mitochondrial, proton carrier)	0.026609	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0033 55	UCP2	uncoupling protein 2 (mitochondrial, proton carrier)	0.377316	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0033 55	UCP2	uncoupling protein 2 (mitochondrial, proton carrier)	1.818547	Inlier
siRNA Disorazole DMSO Run2	NM_0033 55	UCP2	uncoupling protein 2 (mitochondrial, proton carrier)	1.819999	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0033 56	UCP3	uncoupling protein 3 (mitochondrial, proton carrier)	-1.477101	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0033 56	UCP3	uncoupling protein 3 (mitochondrial, proton carrier)	-0.766118	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0033 56	UCP3	uncoupling protein 3 (mitochondrial, proton carrier)	-0.26489	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0033 56	UCP3	uncoupling protein 3 (mitochondrial, proton carrier)	-0.246554	Inlier
siRNA Disorazole DMSO Run1	NM_0033 56	UCP3	uncoupling protein 3 (mitochondrial, proton carrier)	0.246555	Inlier
siRNA Disorazole DMSO Run3	NM_0033 56	UCP3	uncoupling protein 3 (mitochondrial, proton carrier)	0.582882	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0033 56	UCP3	uncoupling protein 3 (mitochondrial, proton carrier)	1.989049	Inlier
siRNA Disorazole DMSO Run2	NM_0033 56	UCP3	uncoupling protein 3 (mitochondrial, proton carrier)	2.071052	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0183 14	UEV3	UEV3	-0.69809	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0183 14	UEV3	UEV3	-0.65091	Inlier
siRNA Disorazole DMSO Run1	NM_0183 14	UEV3	UEV3	-0.621055	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0183 14	UEV3	UEV3	-0.084191	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0183 14	UEV3	UEV3	0.084191	Inlier
siRNA Disorazole DMSO Run3	NM_0183 14	UEV3	UEV3	1.454534	Inlier
siRNA Disorazole DMSO Run2	NM_0183 14	UEV3	UEV3	1.913588	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0183 14	UEV3	UEV3	3.443861	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0033 58	UGCG	UDP-glucose ceramide glucosyltransferase	-0.903384	Inlier
siRNA Disorazole DMSO Run3	NM_0033 58	UGCG	UDP-glucose ceramide glucosyltransferase	-0.445616	Inlier
siRNA Disorazole DMSO Run1	NM_0033 58	UGCG	UDP-glucose ceramide glucosyltransferase	-0.363323	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0033 58	UGCG	UDP-glucose ceramide glucosyltransferase	-0.138765	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0033 58	UGCG	UDP-glucose ceramide glucosyltransferase	0.138765	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0033 58	UGCG	UDP-glucose ceramide glucosyltransferase	1.172491	Inlier
siRNA Disorazole DMSO Run2	NM_0033 58	UGCG	UDP-glucose ceramide glucosyltransferase	3.936756	Outlier
siRNA-Vinblastine Run1-DMSO	NM_0033 58	UGCG	UDP-glucose ceramide glucosyltransferase	4.05414	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0201 21	UGCGL2	glucosyltransferase-like 2 UDP-glucose ceramide	-3.566888	Outlier
siRNA-Temozolomide Run1-DMSO	NM_0201 21	UGCGL2	glucosyltransferase-like 2	-0.883838	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0201 21	UGCGL2	UDP- glucose ceramide glucosyltra nsferase- like 2	-0.445914	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0201 21	UGCGL2	UDP- glucose ceramide glucosyltra nsferase- like 2	-0.013594	Inlier
siRNA Disorazole DMSO Run3	NM_0201 21	UGCGL2	UDP- glucose ceramide glucosyltra nsferase- like 2	0.013596	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0201 21	UGCGL2	UDP- glucose ceramide glucosyltra nsferase- like 2	0.465162	Inlier
siRNA Disorazole DMSO Run2	NM_0201 21	UGCGL2	UDP- glucose ceramide glucosyltra nsferase- like 2	2.310099	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0201 21	UGCGL2	UDP- glucose ceramide glucosyltra nsferase- like 2	3.322152	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0033 59	UGDH	glucose dehydroge nase	-1.055195	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0033 59	UGDH	UDP- glucose dehydroge nase	-0.97419	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0033 59	UGDH	UDP- glucose dehydroge nase	-0.288305	Inlier
siRNA Disorazole DMSO Run1	NM_0033 59	UGDH	UDP- glucose dehydroge nase	-0.085609	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0033 59	UGDH	UDP- glucose dehydroge nase	0.085608	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0033 59	UGDH	UDP- glucose dehydroge nase	0.37481	Inlier
siRNA Disorazole DMSO Run2	NM_0033 59	UGDH	UDP- glucose dehydroge nase	2.48876	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0033 59	UGDH	UDP- glucose dehydroge nase	2.51754	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0010 01521	UGP2	UDP- glucose pyrophosp horylase 2	-0.68166	Inlier
siRNA Disorazole DMSO Run2	NM_0010 01521	UGP2	UDP- glucose pyrophosp horylase 2	-0.66734	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0010 01521	UGP2	UDP- glucose pyrophosp horylase 2	-0.274415	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0010 01521	UGP2	UDP- glucose pyrophosp horylase 2	-0.080535	Inlier
siRNA Disorazole DMSO Run3	NM_0010 01521	UGP2	UDP- glucose pyrophosp horylase 2	0.080536	Inlier
siRNA Disorazole DMSO Run1	NM_0010 01521	UGP2	UDP- glucose pyrophosp horylase 2	1.057023	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0010 01521	UGP2	UDP- glucose pyrophosp horylase 2	2.082569	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_001001521	UGP2	UDP-glucose pyrophosphorylase 2	2.21076	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000463	UGT1A1	UDP glycosyltransferase 1 family, polypeptide A1	-2.447237	Inlier
siRNA Disorazole DMSO Run3	NM_000463	UGT1A1	UDP glycosyltransferase 1 family, polypeptide A1	-0.66844	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000463	UGT1A1	UDP glycosyltransferase 1 family, polypeptide A1	-0.448906	Inlier
siRNA Disorazole DMSO Run1	NM_000463	UGT1A1	UDP glycosyltransferase 1 family, polypeptide A1	-0.208876	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000463	UGT1A1	UDP glycosyltransferase 1 family, polypeptide A1	0.208876	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000463	UGT1A1	UDP glycosyltransferase 1 family, polypeptide A1	0.68056	Inlier
siRNA Disorazole DMSO Run2	NM_000463	UGT1A1	UDP glycosyltransferase 1 family, polypeptide A1	2.134315	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Score	Category
siRNA-Vinblastine Run1-DMSO	NM_000463	UGT1A1	UDP glycosyltransferase 1 family, polypeptide A1	2.14627	Inlier
siRNA-Temozolomide Run2-DMSO	NM_019075	UGT1A10	UDP glycosyltransferase 1 family, polypeptide A10	-4.094473	Outlier
siRNA Disorazole DMSO Run1	NM_019075	UGT1A10	UDP glycosyltransferase 1 family, polypeptide A10	-0.832904	Inlier
siRNA-Temozolomide Run1-DMSO	NM_019075	UGT1A10	UDP glycosyltransferase 1 family, polypeptide A10	-0.516096	Inlier
siRNA Disorazole DMSO Run3	NM_019075	UGT1A10	UDP glycosyltransferase 1 family, polypeptide A10	-0.063708	Inlier
siRNA-Temozolomide Run3-DMSO	NM_019075	UGT1A10	UDP glycosyltransferase 1 family, polypeptide A10	0.06371	Inlier
siRNA-Vinblastine Run2-DMSO	NM_019075	UGT1A10	UDP glycosyltransferase 1 family, polypeptide A10	0.416098	Inlier
siRNA Disorazole DMSO Run2	NM_019075	UGT1A10	UDP glycosyltransferase 1 family, polypeptide A10	1.548364	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Value	Category
siRNA-Vinblastine Run1-DMSO	NM_019075	UGT1A10	UDP glycosyltransferase 1 family, polypeptide A10	4.05167	Outlier
siRNA-Vinblastine Run2-DMSO	NM_019093	UGT1A3	UDP glycosyltransferase 1 family, polypeptide A3	-1.413598	Inlier
siRNA Disorazole DMSO Run1	NM_019093	UGT1A3	UDP glycosyltransferase 1 family, polypeptide A3	-1.226218	Inlier
siRNA Disorazole DMSO Run3	NM_019093	UGT1A3	UDP glycosyltransferase 1 family, polypeptide A3	-0.5701	Inlier
siRNA-Temozolomide Run1-DMSO	NM_019093	UGT1A3	UDP glycosyltransferase 1 family, polypeptide A3	-0.423875	Inlier
siRNA Disorazole DMSO Run2	NM_019093	UGT1A3	UDP glycosyltransferase 1 family, polypeptide A3	0.423875	Inlier
siRNA-Temozolomide Run2-DMSO	NM_019093	UGT1A3	UDP glycosyltransferase 1 family, polypeptide A3	0.502356	Inlier
siRNA-Temozolomide Run3-DMSO	NM_019093	UGT1A3	UDP glycosyltransferase 1 family, polypeptide A3	0.7789	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_019093	UGT1A3	UDP glycosyltransferase 1 family, polypeptide A3	1.15244	Inlier
siRNA-Temozolomide Run2-DMSO	NM_007120	UGT1A4	UDP glycosyltransferase 1 family, polypeptide A4	-0.764232	Inlier
siRNA Disorazole DMSO Run1	NM_007120	UGT1A4	UDP glycosyltransferase 1 family, polypeptide A4	-0.584768	Inlier
siRNA-Temozolomide Run1-DMSO	NM_007120	UGT1A4	UDP glycosyltransferase 1 family, polypeptide A4	-0.49089	Inlier
siRNA Disorazole DMSO Run3	NM_007120	UGT1A4	UDP glycosyltransferase 1 family, polypeptide A4	-0.046532	Inlier
siRNA-Vinblastine Run2-DMSO	NM_007120	UGT1A4	UDP glycosyltransferase 1 family, polypeptide A4	0.046532	Inlier
siRNA-Temozolomide Run3-DMSO	NM_007120	UGT1A4	UDP glycosyltransferase 1 family, polypeptide A4	0.810537	Inlier
siRNA Disorazole DMSO Run2	NM_007120	UGT1A4	UDP glycosyltransferase 1 family, polypeptide A4	1.890304	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Enzyme	Value	Category
siRNA-Vinblastine Run1-DMSO	NM_007120	UGT1A4	UDP glycosyltransferase 1 family, polypeptide A4	3.2658	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001072	UGT1A6	UDP glycosyltransferase 1 family, polypeptide A6	-1.440102	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001072	UGT1A6	UDP glycosyltransferase 1 family, polypeptide A6	-1.360291	Inlier
siRNA Disorazole DMSO Run1	NM_001072	UGT1A6	UDP glycosyltransferase 1 family, polypeptide A6	-0.428077	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001072	UGT1A6	UDP glycosyltransferase 1 family, polypeptide A6	-0.087127	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001072	UGT1A6	UDP glycosyltransferase 1 family, polypeptide A6	0.087127	Inlier
siRNA Disorazole DMSO Run2	NM_001072	UGT1A6	UDP glycosyltransferase 1 family, polypeptide A6	0.152656	Inlier
siRNA Disorazole DMSO Run3	NM_001072	UGT1A6	UDP glycosyltransferase 1 family, polypeptide A6	0.920923	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Family	Value	Category
siRNA-Vinblastine Run1-DMSO	NM_001072	UGT1A6	UDP glycosyltransferase 1 family, polypeptide A6	1.664075	Inlier
siRNA-Temozolomide Run2-DMSO	NM_019077	UGT1A7	UDP glycosyltransferase 1 family, polypeptide A7	-1.740916	Inlier
siRNA Disorazole DMSO Run1	NM_019077	UGT1A7	UDP glycosyltransferase 1 family, polypeptide A7	-1.588691	Inlier
siRNA-Temozolomide Run1-DMSO	NM_019077	UGT1A7	UDP glycosyltransferase 1 family, polypeptide A7	-0.567347	Inlier
siRNA Disorazole DMSO Run3	NM_019077	UGT1A7	UDP glycosyltransferase 1 family, polypeptide A7	-0.068825	Inlier
siRNA-Vinblastine Run2-DMSO	NM_019077	UGT1A7	UDP glycosyltransferase 1 family, polypeptide A7	0.068825	Inlier
siRNA-Temozolomide Run3-DMSO	NM_019077	UGT1A7	UDP glycosyltransferase 1 family, polypeptide A7	0.113103	Inlier
siRNA Disorazole DMSO Run2	NM_019077	UGT1A7	UDP glycosyltransferase 1 family, polypeptide A7	0.781653	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Log2 Fold Change	Outlier Status
siRNA-Vinblastine Run1-DMSO	NM_019077	UGT1A7	UDP glycosyltransferase 1 family, polypeptide A7	1.479699	Inlier
siRNA Disorazole DMSO Run1	NM_019076	UGT1A8	UDP glycosyltransferase 1 family, polypeptide A8	-2.475955	Inlier
siRNA-Vinblastine Run2-DMSO	NM_019076	UGT1A8	UDP glycosyltransferase 1 family, polypeptide A8	-0.806123	Inlier
siRNA-Temozolomide Run2-DMSO	NM_019076	UGT1A8	UDP glycosyltransferase 1 family, polypeptide A8	-0.429259	Inlier
siRNA-Temozolomide Run1-DMSO	NM_019076	UGT1A8	UDP glycosyltransferase 1 family, polypeptide A8	-0.26397	Inlier
siRNA-Temozolomide Run3-DMSO	NM_019076	UGT1A8	UDP glycosyltransferase 1 family, polypeptide A8	0.26397	Inlier
siRNA Disorazole DMSO Run2	NM_019076	UGT1A8	UDP glycosyltransferase 1 family, polypeptide A8	0.542877	Inlier
siRNA-Vinblastine Run1-DMSO	NM_019076	UGT1A8	UDP glycosyltransferase 1 family, polypeptide A8	2.541855	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_021027	UGT1A9	UDP glycosyltransferase 1 family, polypeptide A9	2.204736	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006798	UGT2A1	UDP glycosyltransferase 2 family, polypeptide A1	-1.01616	Inlier
siRNA Disorazole DMSO Run1	NM_006798	UGT2A1	UDP glycosyltransferase 2 family, polypeptide A1	-0.912195	Inlier
siRNA Disorazole DMSO Run3	NM_006798	UGT2A1	UDP glycosyltransferase 2 family, polypeptide A1	-0.735567	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006798	UGT2A1	UDP glycosyltransferase 2 family, polypeptide A1	-0.310977	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006798	UGT2A1	UDP glycosyltransferase 2 family, polypeptide A1	0.310977	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006798	UGT2A1	UDP glycosyltransferase 2 family, polypeptide A1	0.565523	Inlier
siRNA Disorazole DMSO Run2	NM_006798	UGT2A1	UDP glycosyltransferase 2 family, polypeptide A1	0.613433	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_006798	UGT2A1	UDP glycosyltransferase 2 family, polypeptide A1	1.778724	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001075	UGT2B10	UDP glycosyltransferase 2 family, polypeptide B10	-0.862987	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001075	UGT2B10	UDP glycosyltransferase 2 family, polypeptide B10	-0.836525	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001075	UGT2B10	UDP glycosyltransferase 2 family, polypeptide B10	-0.267897	Inlier
siRNA Disorazole DMSO Run1	NM_001075	UGT2B10	UDP glycosyltransferase 2 family, polypeptide B10	-0.229992	Inlier
siRNA Disorazole DMSO Run3	NM_001075	UGT2B10	UDP glycosyltransferase 2 family, polypeptide B10	0.229992	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001075	UGT2B10	UDP glycosyltransferase 2 family, polypeptide B10	0.512475	Inlier
siRNA Disorazole DMSO Run2	NM_001075	UGT2B10	UDP glycosyltransferase 2 family, polypeptide B10	1.878531	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Enzyme	Value	Category
siRNA-Vinblastine Run1-DMSO	NM_001075	UDP glycosyltransferase 2 family, polypeptide B10	UGT2B10	3.446896	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001073	UDP glycosyltransferase 2 family, polypeptide B11	UGT2B11	-3.779981	Outlier
siRNA Disorazole DMSO Run3	NM_001073	UDP glycosyltransferase 2 family, polypeptide B11	UGT2B11	-1.008631	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001073	UDP glycosyltransferase 2 family, polypeptide B11	UGT2B11	-0.340369	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001073	UDP glycosyltransferase 2 family, polypeptide B11	UGT2B11	-0.15327	Inlier
siRNA Disorazole DMSO Run1	NM_001073	UDP glycosyltransferase 2 family, polypeptide B11	UGT2B11	0.15327	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001073	UDP glycosyltransferase 2 family, polypeptide B11	UGT2B11	0.320846	Inlier
siRNA Disorazole DMSO Run2	NM_001073	UDP glycosyltransferase 2 family, polypeptide B11	UGT2B11	3.736657	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log2 Fold Change	Significance
siRNA-Vinblastine Run1-DMSO	NM_001073	UGT2B11	UDP glycosyltransferase 2 family, polypeptide B11	6.593152	Outlier
siRNA-Temozolomide Run2-DMSO	NM_001076	UGT2B15	UDP glycosyltransferase 2 family, polypeptide B15	-1.311347	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001076	UGT2B15	UDP glycosyltransferase 2 family, polypeptide B15	-0.283413	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001076	UGT2B15	UDP glycosyltransferase 2 family, polypeptide B15	-0.246209	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001076	UGT2B15	UDP glycosyltransferase 2 family, polypeptide B15	-0.038801	Inlier
siRNA Disorazole DMSO Run1	NM_001076	UGT2B15	UDP glycosyltransferase 2 family, polypeptide B15	0.038801	Inlier
siRNA Disorazole DMSO Run3	NM_001076	UGT2B15	UDP glycosyltransferase 2 family, polypeptide B15	1.065587	Inlier
siRNA Disorazole DMSO Run2	NM_001076	UGT2B15	UDP glycosyltransferase 2 family, polypeptide B15	2.095365	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Value	Category
siRNA-Vinblastine Run1-DMSO	NM_001076	UGT2B15	UDP glycosyltransferase 2 family, polypeptide B15	3.69096	Outlier
siRNA-Temozolomide Run1-DMSO	NM_001077	UGT2B17	UDP glycosyltransferase 2 family, polypeptide B17	-1.237706	Inlier
siRNA-Temozolomide Run3-DMSO	NM_001077	UGT2B17	UDP glycosyltransferase 2 family, polypeptide B17	-1.036036	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001077	UGT2B17	UDP glycosyltransferase 2 family, polypeptide B17	-0.154461	Inlier
siRNA Disorazole DMSO Run1	NM_001077	UGT2B17	UDP glycosyltransferase 2 family, polypeptide B17	-0.135138	Inlier
siRNA Disorazole DMSO Run2	NM_001077	UGT2B17	UDP glycosyltransferase 2 family, polypeptide B17	0.135137	Inlier
siRNA Disorazole DMSO Run3	NM_001077	UGT2B17	UDP glycosyltransferase 2 family, polypeptide B17	0.312964	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001077	UGT2B17	UDP glycosyltransferase 2 family, polypeptide B17	1.855465	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Log2 Fold Change	Outlier Status
siRNA-Vinblastine Run1-DMSO	NM_001077	UGT2B17	UDP glycosyltransferase 2 family, polypeptide B17	2.182096	Inlier
siRNA-Temozolomide Run2-DMSO	NM_053039	UGT2B28	UDP glycosyltransferase 2 family, polypeptide B28	-1.673976	Inlier
siRNA-Temozolomide Run1-DMSO	NM_053039	UGT2B28	UDP glycosyltransferase 2 family, polypeptide B28	-1.466674	Inlier
siRNA-Temozolomide Run3-DMSO	NM_053039	UGT2B28	UDP glycosyltransferase 2 family, polypeptide B28	-0.724791	Inlier
siRNA-Vinblastine Run2-DMSO	NM_053039	UGT2B28	UDP glycosyltransferase 2 family, polypeptide B28	-0.005544	Inlier
siRNA Disorazole DMSO Run1	NM_053039	UGT2B28	UDP glycosyltransferase 2 family, polypeptide B28	0.005544	Inlier
siRNA Disorazole DMSO Run3	NM_053039	UGT2B28	UDP glycosyltransferase 2 family, polypeptide B28	0.088237	Inlier
siRNA Disorazole DMSO Run2	NM_053039	UGT2B28	UDP glycosyltransferase 2 family, polypeptide B28	0.624209	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Gene Description	Value	Category
siRNA-Vinblastine Run1-DMSO	NM_053039	UGT2B28	UDP glycosyltransferase 2 family, polypeptide B28	0.87528	Inlier
siRNA-Temozolomide Run3-DMSO	NM_021139	UGT2B4	UDP glycosyltransferase 2 family, polypeptide B4	-0.947498	Inlier
siRNA Disorazole DMSO Run1	NM_021139	UGT2B4	UDP glycosyltransferase 2 family, polypeptide B4	-0.650818	Inlier
siRNA-Vinblastine Run1-DMSO	NM_021139	UGT2B4	UDP glycosyltransferase 2 family, polypeptide B4	-0.117151	Inlier
siRNA-Vinblastine Run2-DMSO	NM_021139	UGT2B4	UDP glycosyltransferase 2 family, polypeptide B4	-0.057215	Inlier
siRNA-Temozolomide Run2-DMSO	NM_021139	UGT2B4	UDP glycosyltransferase 2 family, polypeptide B4	0.057214	Inlier
siRNA Disorazole DMSO Run2	NM_021139	UGT2B4	UDP glycosyltransferase 2 family, polypeptide B4	0.698182	Inlier
siRNA-Temozolomide Run1-DMSO	NM_021139	UGT2B4	UDP glycosyltransferase 2 family, polypeptide B4	0.948865	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Condition	Run	Gene	Accession	Gene Description	Value	Category
siRNA Disorazole	DMSO	Run3	UGT2B4	NM_021139	UDP glycosyltransferase 2 family, polypeptide B4	1.620341	Inlier
siRNA-Temozolomide	Run1-DMSO		UGT2B7	NM_001074	UDP glycosyltransferase 2 family, polypeptide B7	-0.699396	Inlier
siRNA-Temozolomide	Run2-DMSO		UGT2B7	NM_001074	UDP glycosyltransferase 2 family, polypeptide B7	-0.649604	Inlier
siRNA-Vinblastine	Run2-DMSO		UGT2B7	NM_001074	UDP glycosyltransferase 2 family, polypeptide B7	-0.213135	Inlier
siRNA Disorazole	DMSO	Run3	UGT2B7	NM_001074	UDP glycosyltransferase 2 family, polypeptide B7	-0.184466	Inlier
siRNA Disorazole	DMSO	Run1	UGT2B7	NM_001074	UDP glycosyltransferase 2 family, polypeptide B7	0.184466	Inlier
siRNA-Temozolomide	Run3-DMSO		UGT2B7	NM_001074	UDP glycosyltransferase 2 family, polypeptide B7	0.718311	Inlier
siRNA Disorazole	DMSO	Run2	UGT2B7	NM_001074	UDP glycosyltransferase 2 family, polypeptide B7	1.304474	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Enzyme	Value	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001074	UGT2B7	UDP glycosyltransferase 2 family, polypeptide B7	1.657918	Inlier
siRNA Disorazole DMSO Run1	NM_003360	UGT8	UDP glycosyltransferase 8 (UDP-galactose ceramide galactosyltransferase)	-2.382647	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003360	UGT8	UDP glycosyltransferase 8 (UDP-galactose ceramide galactosyltransferase)	-0.48036	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003360	UGT8	UDP glycosyltransferase 8 (UDP-galactose ceramide galactosyltransferase)	-0.127841	Inlier
siRNA Disorazole DMSO Run3	NM_003360	UGT8	UDP glycosyltransferase 8 (UDP-galactose ceramide galactosyltransferase)	-0.034677	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003360	UGT8	UDP glycosyltransferase 8 (UDP-galactose ceramide galactosyltransferase)	0.034677	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_003360	UGT8	UDP glycosyltransferase 8 (UDP-galactose ceramide galactosyltransferase)	0.86864	Inlier
siRNA Disorazole DMSO Run2	NM_003360	UGT8	UDP glycosyltransferase 8 (UDP-galactose ceramide galactosyltransferase)	1.257329	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003360	UGT8	UDP glycosyltransferase 8 (UDP-galactose ceramide galactosyltransferase)	2.838679	Inlier
siRNA Disorazole DMSO Run2	NM_003565	ULK1	unc-51-like kinase 1 (C. elegans)	-1.413452	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003565	ULK1	unc-51-like kinase 1 (C. elegans)	-1.301653	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003565	ULK1	unc-51-like kinase 1 (C. elegans)	-0.774927	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003565	ULK1	unc-51-like kinase 1 (C. elegans)	-0.380328	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003565	ULK1	unc-51-like kinase 1 (C. elegans)	0.380328	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0035 65	ULK1	unc-51-like kinase 1 (C. elegans)	0.433483	Inlier
siRNA Disorazole DMSO Run1	NM_0035 65	ULK1	unc-51-like kinase 1 (C. elegans)	0.574073	Inlier
siRNA Disorazole DMSO Run3	NM_0035 65	ULK1	unc-51-like kinase 1 (C. elegans)	0.992415	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0146 83	ULK2	unc-51-like kinase 2 (C. elegans)	-0.740021	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0146 83	ULK2	unc-51-like kinase 2 (C. elegans)	-0.608979	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0146 83	ULK2	unc-51-like kinase 2 (C. elegans)	-0.555807	Inlier
siRNA Disorazole DMSO Run2	NM_0146 83	ULK2	unc-51-like kinase 2 (C. elegans)	-0.477929	Inlier
siRNA Disorazole DMSO Run3	NM_0146 83	ULK2	unc-51-like kinase 2 (C. elegans)	0.477929	Inlier
siRNA Disorazole DMSO Run1	NM_0146 83	ULK2	unc-51-like kinase 2 (C. elegans)	1.633956	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0146 83	ULK2	unc-51-like kinase 2 (C. elegans)	2.711088	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0146 83	ULK2	unc-51-like kinase 2 (C. elegans)	3.595309	Outlier
siRNA Disorazole DMSO Run2	NM_0163 08	UMP-CMPK	cytidylate kinase	-3.386687	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0163 08	UMP-CMPK	cytidylate kinase	-3.18562	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0163 08	UMP-CMPK	cytidylate kinase	-0.936859	Inlier
siRNA Disorazole DMSO Run3	NM_0163 08	UMP-CMPK	cytidylate kinase	-0.024132	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0163 08	UMP-CMPK	cytidylate kinase	0.024132	Inlier
siRNA Disorazole DMSO Run1	NM_0163 08	UMP-CMPK	cytidylate kinase	0.518508	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0163 08	UMP-CMPK	cytidylate kinase	0.595462	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0163 08	UMP-CMPK	cytidylate kinase	0.753538	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0003 73	UMPS	uridine monophosphate synthetase (orotate phosphoribosyl transferase and orotidine-5-decarboxylase)	-11.3824	Outlier
siRNA Disorazole DMSO Run1	NM_0003 73	UMPS	uridine monophosphate synthetase (orotate phosphoribosyl transferase and orotidine-5-decarboxylase)	-5.473431	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0003 73	UMPS	uridine monophos phate synthetase (orotate phosphori bosyl transferas e and orotidine-5- decarboxyl ase)	-0.481079	Inlier
siRNA Disorazole DMSO Run3	NM_0003 73	UMPS	uridine monophos phate synthetase (orotate phosphori bosyl transferas e and orotidine-5- decarboxyl ase)	-0.475347	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0003 73	UMPS	uridine monophos phate synthetase (orotate phosphori bosyl transferas e and orotidine-5- decarboxyl ase)	0.475347	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0003 73	UMPS	uridine monophos phate synthetase (orotate phosphori bosyl transferas e and orotidine-5- decarboxyl ase)	0.54615	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_000373	UMPS	uridine monophosphate synthetase (orotate phosphoribosyl transferase and orotidine-5-decarboxylase)	0.80285	Inlier
siRNA-Vinblastine Run1-DMSO	NM_000373	UMPS	uridine monophosphate synthetase (orotate phosphoribosyl transferase and orotidine-5-decarboxylase)	7.757367	Outlier
siRNA-Temozolomide Run3-DMSO	NM_054035	UNC119	unc-119 homolog (C. elegans)	-1.178314	Inlier
siRNA-Temozolomide Run2-DMSO	NM_054035	UNC119	unc-119 homolog (C. elegans)	-0.515479	Inlier
siRNA Disorazole DMSO Run3	NM_054035	UNC119	unc-119 homolog (C. elegans)	-0.250168	Inlier
siRNA-Vinblastine Run2-DMSO	NM_054035	UNC119	unc-119 homolog (C. elegans)	-0.188243	Inlier
siRNA-Temozolomide Run1-DMSO	NM_054035	UNC119	unc-119 homolog (C. elegans)	0.188243	Inlier
siRNA Disorazole DMSO Run1	NM_054035	UNC119	unc-119 homolog (C. elegans)	0.833521	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			unc-119 homolog (C. elegans)	
siRNA Disorazole DMSO Run2	NM_0540 35	UNC119	unc-119 homolog (C. elegans)	4.086349 Outlier
siRNA-Vinblastine Run1-DMSO	NM_0540 35	UNC119	unc-5 homolog C (C. elegans)	4.162697 Outlier
siRNA-Temozolomide Run2-DMSO	NM_0037 28	UNC5C	unc-5 homolog C (C. elegans)	-3.173982 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0037 28	UNC5C	unc-5 homolog C (C. elegans)	-3.134094 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0037 28	UNC5C	unc-5 homolog C (C. elegans)	-0.402439 Inlier
siRNA Disorazole DMSO Run3	NM_0037 28	UNC5C	unc-5 homolog C (C. elegans)	-0.031507 Inlier
siRNA Disorazole DMSO Run1	NM_0037 28	UNC5C	unc-5 homolog C (C. elegans)	0.031506 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0037 28	UNC5C	unc-5 homolog C (C. elegans)	0.186266 Inlier
siRNA Disorazole DMSO Run2	NM_0037 28	UNC5C	unc-5 homolog C (C. elegans)	0.946561 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0037 28	UNC5C	unc-5 homolog C (C. elegans)	3.146029 Inlier
siRNA Disorazole DMSO Run3	NM_0809 11	UNG	uracil-DNA glycosylase	-1.916442 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0809 11	UNG	uracil-DNA glycosylase	-0.944828 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0809 11	UNG	uracil-DNA glycosylase	-0.494352 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0809 11	UNG	uracil-DNA glycosylas e	-0.039497	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0809 11	UNG	uracil-DNA glycosylas e	0.039497	Inlier
siRNA Disorazole DMSO Run1	NM_0809 11	UNG	uracil-DNA glycosylas e	0.65998	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0809 11	UNG	uracil-DNA glycosylas e	0.68902	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0809 11	UNG	uracil-DNA glycosylas e	1.287559	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 24592	UNG2	uracil-DNA glycosylas e 2	-2.921367	Inlier
siRNA Disorazole DMSO Run3	NM_0010 24592	UNG2	uracil-DNA glycosylas e 2	-2.717101	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 24592	UNG2	uracil-DNA glycosylas e 2	-0.624177	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 24592	UNG2	uracil-DNA glycosylas e 2	-0.091587	Inlier
siRNA Disorazole DMSO Run2	NM_0010 24592	UNG2	uracil-DNA glycosylas e 2	0.091587	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 24592	UNG2	uracil-DNA glycosylas e 2	0.585711	Inlier
siRNA Disorazole DMSO Run1	NM_0010 24592	UNG2	uracil-DNA glycosylas e 2	0.724823	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 24592	UNG2	uracil-DNA glycosylas e 2	1.159276	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_1984				
siRNA Disorazole DMSO Run3	64	UNQ9391	UNQ9391	-2.04614	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1984 64	UNQ9391	UNQ9391	-2.022236	Inlier
siRNA Disorazole DMSO Run1	NM_1984 64	UNQ9391	UNQ9391	-0.340875	Inlier
siRNA Disorazole DMSO Run2	NM_1984 64	UNQ9391	UNQ9391	-0.144305	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1984 64	UNQ9391	UNQ9391	0.144305	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1984 64	UNQ9391	UNQ9391	0.21586	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1984 64	UNQ9391	UNQ9391	1.008125	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1984 64	UNQ9391	UNQ9391	1.768189	Inlier
			uridine phosphorylase 1		
siRNA Disorazole DMSO Run1	NM_1815 97	UPP1	ase 1	-2.763445	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1815 97	UPP1	uridine phosphorylase 1	-0.642426	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1815 97	UPP1	uridine phosphorylase 1	-0.584327	Inlier
siRNA Disorazole DMSO Run3	NM_1815 97	UPP1	uridine phosphorylase 1	-0.039232	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1815 97	UPP1	uridine phosphorylase 1	0.039234	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1815 97	UPP1	uridine phosphorylase 1	0.706574	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1815 97	UPP1	uridine phosphorylase 1	4.218447	Outlier
siRNA Disorazole DMSO Run2	NM_1815 97	UPP1	uridine phosphorylase 1	4.330699	Outlier
siRNA Disorazole DMSO Run1	NM_1733 55	UPP2	uridine phosphorylase 2	-1.203165	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1733 55	UPP2	uridine phosphorylase 2	-1.040491	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1733 55	UPP2	uridine phosphorylase 2	-0.746404	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1733 55	UPP2	uridine phosphorylase 2	-0.259137	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	siRNA	Gene	Protein	Value	Outlier
siRNA-Vinblastine Run2-DMSO	NM_1733 55	UPP2	uridine phosphorylase 2	0.259137	Inlier
siRNA Disorazole DMSO Run2	NM_1733 55	UPP2	uridine phosphorylase 2	0.38921	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1733 55	UPP2	uridine phosphorylase 2	0.602596	Inlier
siRNA Disorazole DMSO Run3	NM_1733 55	UPP2	uridine phosphorylase 2	1.164797	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0068 30	UQCR	ubiquinol cytochrome c reductase, 6.4kDa subunit	-1.567818	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0068 30	UQCR	ubiquinol cytochrome c reductase, 6.4kDa subunit	-0.715355	Inlier
siRNA Disorazole DMSO Run3	NM_0068 30	UQCR	ubiquinol cytochrome c reductase, 6.4kDa subunit	-0.633645	Inlier
siRNA Disorazole DMSO Run1	NM_0068 30	UQCR	ubiquinol cytochrome c reductase, 6.4kDa subunit	-0.137897	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0068 30	UQCR	ubiquinol cytochrome c reductase, 6.4kDa subunit	0.137897	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0068 30	UQCR	ubiquinol cytochrome c reductase, 6.4kDa subunit	0.405545	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Score	Category
siRNA-Vinblastine Run1-DMSO	NM_006830	UQCR	ubiquinol cytochrome c reductase, 6.4kDa subunit	1.402783	Inlier
siRNA Disorazole DMSO Run2	NM_006830	UQCR	ubiquinol cytochrome c reductase, 6.4kDa subunit	2.128426	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006294	UQCRB	ubiquinol-cytochrome c reductase binding protein	-1.357816	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006294	UQCRB	ubiquinol-cytochrome c reductase binding protein	-0.634701	Inlier
siRNA Disorazole DMSO Run1	NM_006294	UQCRB	ubiquinol-cytochrome c reductase binding protein	-0.553705	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006294	UQCRB	ubiquinol-cytochrome c reductase binding protein	-0.015099	Inlier
siRNA Disorazole DMSO Run3	NM_006294	UQCRB	ubiquinol-cytochrome c reductase binding protein	0.015099	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006294	UQCRB	ubiquinol-cytochrome c reductase binding protein	0.714299	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Log Fold Change	Classification
siRNA-Vinblastine Run1-DMSO	NM_006294	UQCRB	1.493568	Inlier
siRNA Disorazole DMSO Run2	NM_006294	UQCRB	4.556748	Outlier
siRNA-Temozolomide Run3-DMSO	NM_003365	UQCRC1	-2.358513	Inlier
siRNA Disorazole DMSO Run2	NM_003365	UQCRC1	-0.658795	Inlier
siRNA Disorazole DMSO Run3	NM_003365	UQCRC1	-0.301812	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003365	UQCRC1	-0.098711	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003365	UQCRC1	0.098711	Inlier
siRNA Disorazole DMSO Run1	NM_003365	UQCRC1	0.690205	Inlier

ubiquinol-cytochrome c reductase binding protein
 ubiquinol-cytochrome c reductase core protein I
 ubiquinol-cytochrome c reductase core protein I
 ubiquinol-cytochrome c reductase core protein I
 ubiquinol-cytochrome c reductase core protein I
 ubiquinol-cytochrome c reductase core protein I

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_003365	UQCRC1	ubiquinol-cytochrome c reductase core protein I	1.743984	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003365	UQCRC1	ubiquinol-cytochrome c reductase core protein I	1.95133	Inlier
siRNA Disorazole DMSO Run2	NM_003366	UQCRC2	ubiquinol-cytochrome c reductase core protein II	-1.741881	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003366	UQCRC2	ubiquinol-cytochrome c reductase core protein II	-1.326427	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003366	UQCRC2	ubiquinol-cytochrome c reductase core protein II	-0.716534	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003366	UQCRC2	ubiquinol-cytochrome c reductase core protein II	-0.011537	Inlier
siRNA-Vinblastine Run2-DMSO	NM_003366	UQCRC2	ubiquinol-cytochrome c reductase core protein II	0.011538	Inlier
siRNA Disorazole DMSO Run3	NM_003366	UQCRC2	ubiquinol-cytochrome c reductase core protein II	0.089174	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein	Score	Outlier Status
siRNA Disorazole DMSO Run1	NM_003366	UQCRC2	ubiquinol-cytochrome c reductase core protein II	0.632466	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003366	UQCRC2	ubiquinol-cytochrome c reductase core protein II	0.823874	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006003	UQCRFS1	ubiquinol-cytochrome c reductase, Rieske iron-sulfur polypeptide 1	-0.849716	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006003	UQCRFS1	ubiquinol-cytochrome c reductase, Rieske iron-sulfur polypeptide 1	-0.84747	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006003	UQCRFS1	ubiquinol-cytochrome c reductase, Rieske iron-sulfur polypeptide 1	-0.50153	Inlier
siRNA Disorazole DMSO Run3	NM_006003	UQCRFS1	ubiquinol-cytochrome c reductase, Rieske iron-sulfur polypeptide 1	-0.013909	Inlier
siRNA Disorazole DMSO Run1	NM_006003	UQCRFS1	ubiquinol-cytochrome c reductase, Rieske iron-sulfur polypeptide 1	0.013909	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_006003	UQCRFS1	ubiquinol-cytochrome c reductase, Rieske iron-sulfur polypeptide 1	0.174406	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006003	UQCRFS1	ubiquinol-cytochrome c reductase, Rieske iron-sulfur polypeptide 1	1.196051	Inlier
siRNA Disorazole DMSO Run2	NM_006003	UQCRFS1	ubiquinol-cytochrome c reductase, Rieske iron-sulfur polypeptide 1	1.716455	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006004	UQCRH	ubiquinol-cytochrome c reductase hinge protein	-1.162727	Inlier
siRNA Disorazole DMSO Run1	NM_006004	UQCRH	ubiquinol-cytochrome c reductase hinge protein	-0.760504	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006004	UQCRH	ubiquinol-cytochrome c reductase hinge protein	-0.588496	Inlier
siRNA Disorazole DMSO Run3	NM_006004	UQCRH	ubiquinol-cytochrome c reductase hinge protein	-0.045305	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_006004	UQCRH	ubiquinol-cytochrome c reductase hinge protein	0.045305	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006004	UQCRH	ubiquinol-cytochrome c reductase hinge protein	0.073471	Inlier
siRNA-Vinblastine Run1-DMSO	NM_006004	UQCRH	ubiquinol-cytochrome c reductase hinge protein	1.474423	Inlier
siRNA Disorazole DMSO Run2	NM_006004	UQCRH	ubiquinol-cytochrome c reductase hinge protein uroporphyrinogen	3.083646	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000374	UROD	decarboxylase uroporphyrinogen	-1.006075	Inlier
siRNA Disorazole DMSO Run3	NM_000374	UROD	decarboxylase uroporphyrinogen	-0.77535	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000374	UROD	decarboxylase uroporphyrinogen	-0.57365	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000374	UROD	decarboxylase uroporphyrinogen	-0.313406	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000374	UROD	decarboxylase uroporphyrinogen	0.313406	Inlier
siRNA Disorazole DMSO Run1	NM_000374	UROD	decarboxylase uroporphyrinogen	0.572797	Inlier
siRNA Disorazole DMSO Run2	NM_000374	UROD	decarboxylase	5.601532	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_000374	UROD	uroporphyrinogen decarboxylase	5.967105	Outlier
siRNA Disorazole DMSO Run3	NM_000375	UROS	uroporphyrinogen III synthase (congenital erythropoietic porphyria)	-1.71627	Inlier
siRNA-Vinblastine Run2-DMSO	NM_000375	UROS	uroporphyrinogen III synthase (congenital erythropoietic porphyria)	-1.101923	Inlier
siRNA Disorazole DMSO Run1	NM_000375	UROS	uroporphyrinogen III synthase (congenital erythropoietic porphyria)	-0.218961	Inlier
siRNA-Temozolomide Run1-DMSO	NM_000375	UROS	uroporphyrinogen III synthase (congenital erythropoietic porphyria)	-0.16229	Inlier
siRNA-Temozolomide Run3-DMSO	NM_000375	UROS	uroporphyrinogen III synthase (congenital erythropoietic porphyria)	0.162288	Inlier
siRNA-Temozolomide Run2-DMSO	NM_000375	UROS	uroporphyrinogen III synthase (congenital erythropoietic porphyria)	0.247077	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0003 75	UROS	uroporphyrinogen III synthase (congenital erythropoietic porphyria)	1.640011	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0003 75	UROS	uroporphyrinogen III synthase (congenital erythropoietic porphyria)	4.187882	Outlier
siRNA Disorazole DMSO Run2	NM_0010 17416	USP1	ubiquitin specific protease 1	-1.042027	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0010 17416	USP1	ubiquitin specific protease 1	-0.86987	Inlier
siRNA Disorazole DMSO Run3	NM_0010 17416	USP1	ubiquitin specific protease 1	-0.453522	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 17416	USP1	ubiquitin specific protease 1	-0.345497	Inlier
siRNA Disorazole DMSO Run1	NM_0010 17416	USP1	ubiquitin specific protease 1	0.345496	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 17416	USP1	ubiquitin specific protease 1	0.47913	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 17416	USP1	ubiquitin specific protease 1	0.975054	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 17416	USP1	ubiquitin specific protease 1	1.169066	Inlier
siRNA Disorazole DMSO Run2	NM_0051 53	USP10	ubiquitin specific protease 10	-1.187107	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0051 53	USP10	ubiquitin specific protease 10	-0.909339	Inlier
siRNA Disorazole DMSO Run3	NM_0051 53	USP10	ubiquitin specific protease 10	-0.445617	Inlier
siRNA Disorazole DMSO Run1	NM_0051 53	USP10	ubiquitin specific protease 10	-0.081702	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0051 53	USP10	ubiquitin specific protease 10	0.081702	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0051 53	USP10	ubiquitin specific protease 10	0.365587	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0051 53	USP10	ubiquitin specific protease 10	0.903383	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0051 53	USP10	ubiquitin specific protease 10	1.346571	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0046 51	USP11	ubiquitin specific protease 11	-1.233056	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0046 51	USP11	ubiquitin specific protease 11	-0.735052	Inlier
siRNA Disorazole DMSO Run2	NM_0046 51	USP11	ubiquitin specific protease 11	-0.548575	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0046 51	USP11	ubiquitin specific protease 11	-0.069329	Inlier
siRNA Disorazole DMSO Run1	NM_0046 51	USP11	ubiquitin specific protease 11	0.069329	Inlier
siRNA Disorazole DMSO Run3	NM_0046 51	USP11	ubiquitin specific protease 11	0.613948	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0046 51	USP11	ubiquitin specific protease 11	1.055711	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0046 51	USP11	ubiquitin specific protease 11	1.079291	Inlier
siRNA Disorazole DMSO Run2	NM_1824 88	USP12	ubiquitin specific protease 12	-1.04604	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1824 88	USP12	ubiquitin specific protease 12	-0.781287	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1824 88	USP12	ubiquitin specific protease 12	-0.162299	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1824 88	USP12	ubiquitin specific protease 12	-0.155598	Inlier
siRNA Disorazole DMSO Run1	NM_1824 88	USP12	ubiquitin specific protease 12	0.155598	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1824 88	USP12	ubiquitin specific protease 12	0.567713	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1824 88	USP12	ubiquitin specific protease 12	1.145917	Inlier
siRNA Disorazole DMSO Run3	NM_1824 88	USP12	ubiquitin specific protease 12	1.249846	Inlier
siRNA Disorazole DMSO Run1	NM_0039 40	USP13	ubiquitin specific protease 13 (isopeptidase T-3)	-1.412756	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0039 40	USP13	ubiquitin specific protease 13 (isopeptidase T-3)	-1.104044	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0039 40	USP13	ubiquitin specific protease 13 (isopeptidase T-3)	-1.011114	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0039 40	USP13	ubiquitin specific protease 13 (isopeptidase T-3)	-0.1488	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0039 40	USP13	ubiquitin specific protease 13 (isopeptidase T-3)	0.1488	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0039 40	USP13	ubiquitin specific protease 13 (isopeptidase T-3)	0.555338	Inlier
siRNA Disorazole DMSO Run3	NM_0039 40	USP13	ubiquitin specific protease 13 (isopeptidase T-3)	0.579697	Inlier
siRNA Disorazole DMSO Run2	NM_0039 40	USP13	ubiquitin specific protease 13 (isopeptidase T-3)	0.769304	Inlier
siRNA Disorazole DMSO Run2	NM_0051 51	USP14	ubiquitin specific protease 14 (tRNA-guanine transglycosylase)	-1.754505	Inlier
siRNA Disorazole DMSO Run1	NM_0051 51	USP14	ubiquitin specific protease 14 (tRNA-guanine transglycosylase)	-1.382899	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0051 51	USP14	ubiquitin specific protease 14 (tRNA- guanine transglyco sylase)	-0.608078	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0051 51	USP14	ubiquitin specific protease 14 (tRNA- guanine transglyco sylase)	-0.303146	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0051 51	USP14	ubiquitin specific protease 14 (tRNA- guanine transglyco sylase)	0.303145	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0051 51	USP14	ubiquitin specific protease 14 (tRNA- guanine transglyco sylase)	0.313907	Inlier
siRNA Disorazole DMSO Run3	NM_0051 51	USP14	ubiquitin specific protease 14 (tRNA- guanine transglyco sylase)	0.740922	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0051 51	USP14	ubiquitin specific protease 14 (tRNA- guanine transglyco sylase)	0.887545	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0063 13	USP15	ubiquitin specific protease 15	-0.762002	Inlier
siRNA Disorazole DMSO Run2	NM_0063 13	USP15	ubiquitin specific protease 15	-0.634423	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein	Value	Outlier Status
siRNA-Temozolomide Run2-DMSO	NM_0063 13	USP15	ubiquitin specific protease 15	-0.126012	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0063 13	USP15	ubiquitin specific protease 15	-0.092963	Inlier
siRNA Disorazole DMSO Run1	NM_0063 13	USP15	ubiquitin specific protease 15	0.092962	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0063 13	USP15	ubiquitin specific protease 15	0.714577	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0063 13	USP15	ubiquitin specific protease 15	0.820353	Inlier
siRNA Disorazole DMSO Run3	NM_0063 13	USP15	ubiquitin specific protease 15	0.920241	Inlier
siRNA Disorazole DMSO Run2	NM_0064 47	USP16	ubiquitin specific protease 16	-1.515695	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0064 47	USP16	ubiquitin specific protease 16	-1.293911	Inlier
siRNA Disorazole DMSO Run1	NM_0064 47	USP16	ubiquitin specific protease 16	-0.336655	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0064 47	USP16	ubiquitin specific protease 16	-0.063179	Inlier
siRNA Disorazole DMSO Run3	NM_0064 47	USP16	ubiquitin specific protease 16	0.063178	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0064 47	USP16	ubiquitin specific protease 16	0.289777	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0064 47	USP16	ubiquitin specific protease 16	1.012345	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0064 47	USP16	ubiquitin specific protease 16	1.272267	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0174 14	USP18	ubiquitin specific protease 18	-0.72996	Inlier
siRNA Disorazole DMSO Run2	NM_0174 14	USP18	ubiquitin specific protease 18	-0.642684	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0174 14	USP18	ubiquitin specific protease 18	-0.464503	Inlier
siRNA Disorazole DMSO Run3	NM_0174 14	USP18	ubiquitin specific protease 18	-0.080664	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0174 14	USP18	ubiquitin specific protease 18	0.080664	Inlier
siRNA Disorazole DMSO Run1	NM_0174 14	USP18	ubiquitin specific protease 18	0.706316	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0174 14	USP18	ubiquitin specific protease 18	1.744296	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0174 14	USP18	ubiquitin specific protease 18	1.855822	Inlier
siRNA-Temozolomide Run3-DMSO	XM_11432 5	USP19	ubiquitin specific protease 19	-1.043544	Inlier
siRNA-Temozolomide Run2-DMSO	XM_11432 5	USP19	ubiquitin specific protease 19	-0.805648	Inlier
siRNA Disorazole DMSO Run3	XM_11432 5	USP19	ubiquitin specific protease 19	-0.543352	Inlier
siRNA-Vinblastine Run2-DMSO	XM_11432 5	USP19	ubiquitin specific protease 19	-0.063097	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	XM_11432 5	USP19	ubiquitin specific protease 19	0.063097	Inlier
siRNA-Temozolomide Run1- DMSO	XM_11432 5	USP19	ubiquitin specific protease 19	0.341475	Inlier
siRNA-Vinblastine Run1- DMSO	XM_11432 5	USP19	ubiquitin specific protease 19	1.010491	Inlier
siRNA Disorazole DMSO Run2	XM_11432 5	USP19	ubiquitin specific protease 19	1.028217	Inlier
siRNA Disorazole DMSO Run2	NM_0042 05	USP2	ubiquitin specific protease 2	-1.556492	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0042 05	USP2	ubiquitin specific protease 2	-0.515751	Inlier
siRNA Disorazole DMSO Run1	NM_0042 05	USP2	ubiquitin specific protease 2	-0.234217	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0042 05	USP2	ubiquitin specific protease 2	-0.219058	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0042 05	USP2	ubiquitin specific protease 2	0.219058	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0042 05	USP2	ubiquitin specific protease 2	0.833249	Inlier
siRNA Disorazole DMSO Run3	NM_0042 05	USP2	ubiquitin specific protease 2	1.098608	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0042 05	USP2	ubiquitin specific protease 2	1.132373	Inlier
siRNA Disorazole DMSO Run2	NM_0066 76	USP20	ubiquitin specific protease 20	-2.288121	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0066 76	USP20	ubiquitin specific protease 20	-0.866186	Inlier
siRNA Disorazole DMSO Run1	NM_0066 76	USP20	ubiquitin specific protease 20	-0.256021	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0066 76	USP20	ubiquitin specific protease 20	-0.1565	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0066 76	USP20	ubiquitin specific protease 20	0.1565	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0066 76	USP20	ubiquitin specific protease 20	0.482814	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0066 76	USP20	ubiquitin specific protease 20	2.474224	Inlier
siRNA Disorazole DMSO Run3	NM_0066 76	USP20	ubiquitin specific protease 20	10.40523	Outlier
siRNA Disorazole DMSO Run2	NM_0124 75	USP21	ubiquitin specific protease 21	-1.001565	Inlier
siRNA Disorazole DMSO Run1	NM_0124 75	USP21	ubiquitin specific protease 21	-0.731953	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0124 75	USP21	ubiquitin specific protease 21	-0.617047	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0124 75	USP21	ubiquitin specific protease 21	-0.364011	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0124 75	USP21	ubiquitin specific protease 21	0.364012	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0124 75	USP21	ubiquitin specific protease 21	0.537917	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0124 75	USP21	ubiquitin specific protease 21	1.153805	Inlier
siRNA Disorazole DMSO Run3	NM_0124 75	USP21	ubiquitin specific protease 21	3.24379	Inlier
siRNA Disorazole DMSO Run3	XM_04269 8	USP22	ubiquitin specific protease 22	-1.448271	Inlier
siRNA-Vinblastine Run2-DMSO	XM_04269 8	USP22	ubiquitin specific protease 22	-0.940767	Inlier
siRNA Disorazole DMSO Run1	XM_04269 8	USP22	ubiquitin specific protease 22	-0.660898	Inlier
siRNA-Temozolomide Run2-DMSO	XM_04269 8	USP22	ubiquitin specific protease 22	-0.070949	Inlier
siRNA-Temozolomide Run3-DMSO	XM_04269 8	USP22	ubiquitin specific protease 22	0.070949	Inlier
siRNA-Temozolomide Run1-DMSO	XM_04269 8	USP22	ubiquitin specific protease 22	0.214539	Inlier
siRNA-Vinblastine Run1-DMSO	XM_04269 8	USP22	ubiquitin specific protease 22	0.688102	Inlier
siRNA Disorazole DMSO Run2	XM_04269 8	USP22	ubiquitin specific protease 22	1.141382	Inlier
siRNA-Temozolomide Run3-DMSO	XM_16597 3	USP24	ubiquitin specific protease 24	-2.60363	Inlier
siRNA-Vinblastine Run1-DMSO	XM_16597 3	USP24	ubiquitin specific protease 24	-0.893809	Inlier
siRNA-Vinblastine Run2-DMSO	XM_16597 3	USP24	ubiquitin specific protease 24	-0.856212	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	XM_16597	3	USP24	ubiquitin specific protease 24	-0.146805	Inlier
siRNA Disorazole DMSO Run3	XM_16597	3	USP24	ubiquitin specific protease 24	0.146805	Inlier
siRNA-Temozolomide Run2-DMSO	XM_16597	3	USP24	ubiquitin specific protease 24	0.327934	Inlier
siRNA-Temozolomide Run1-DMSO	XM_16597	3	USP24	ubiquitin specific protease 24	0.492788	Inlier
siRNA Disorazole DMSO Run1	XM_16597	3	USP24	ubiquitin specific protease 24	1.13087	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0133	96	USP25	ubiquitin specific protease 25	-0.822749	Inlier
siRNA Disorazole DMSO Run2	NM_0133	96	USP25	ubiquitin specific protease 25	-0.750184	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0133	96	USP25	ubiquitin specific protease 25	-0.306581	Inlier
siRNA Disorazole DMSO Run1	NM_0133	96	USP25	ubiquitin specific protease 25	-0.061835	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0133	96	USP25	ubiquitin specific protease 25	0.061835	Inlier
siRNA Disorazole DMSO Run3	NM_0133	96	USP25	ubiquitin specific protease 25	0.598816	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0133	96	USP25	ubiquitin specific protease 25	1.064098	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0133	96	USP25	ubiquitin specific protease 25	1.864815	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0319 07	USP26	ubiquitin specific protease 26	-1.617674	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0319 07	USP26	ubiquitin specific protease 26	-1.076715	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0319 07	USP26	ubiquitin specific protease 26	-0.603604	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0319 07	USP26	ubiquitin specific protease 26	-0.054049	Inlier
siRNA Disorazole DMSO Run1	NM_0319 07	USP26	ubiquitin specific protease 26	0.054049	Inlier
siRNA Disorazole DMSO Run3	NM_0319 07	USP26	ubiquitin specific protease 26	0.184547	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0319 07	USP26	ubiquitin specific protease 26	0.745396	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0319 07	USP26	ubiquitin specific protease 26	1.030933	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0208 86	USP28	ubiquitin specific protease 28	-0.762033	Inlier
siRNA Disorazole DMSO Run2	NM_0208 86	USP28	ubiquitin specific protease 28	-0.70111	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0208 86	USP28	ubiquitin specific protease 28	-0.615634	Inlier
siRNA Disorazole DMSO Run3	NM_0208 86	USP28	ubiquitin specific protease 28	-0.241051	Inlier
siRNA Disorazole DMSO Run1	NM_0208 86	USP28	ubiquitin specific protease 28	0.241051	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein	Value	Outlier Status
siRNA-Vinblastine Run1-DMSO	NM_020886	USP28	ubiquitin specific protease 28	0.64789	Inlier
siRNA-Temozolomide Run1-DMSO	NM_020886	USP28	ubiquitin specific protease 28	0.740679	Inlier
siRNA-Vinblastine Run2-DMSO	NM_020886	USP28	ubiquitin specific protease 28	1.002921	Inlier
siRNA-Temozolomide Run3-DMSO	NM_020903	USP29	ubiquitin specific protease 29	-1.106023	Inlier
siRNA Disorazole DMSO Run2	NM_020903	USP29	ubiquitin specific protease 29	-0.983028	Inlier
siRNA-Temozolomide Run2-DMSO	NM_020903	USP29	ubiquitin specific protease 29	-0.794099	Inlier
siRNA Disorazole DMSO Run3	NM_020903	USP29	ubiquitin specific protease 29	-0.018488	Inlier
siRNA Disorazole DMSO Run1	NM_020903	USP29	ubiquitin specific protease 29	0.018488	Inlier
siRNA-Temozolomide Run1-DMSO	NM_020903	USP29	ubiquitin specific protease 29	0.05349	Inlier
siRNA-Vinblastine Run2-DMSO	NM_020903	USP29	ubiquitin specific protease 29	0.554901	Inlier
siRNA-Vinblastine Run1-DMSO	NM_020903	USP29	ubiquitin specific protease 29	1.071194	Inlier
siRNA Disorazole DMSO Run2	NM_006537	USP3	ubiquitin specific protease 3	-0.886348	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006537	USP3	ubiquitin specific protease 3	-0.63903	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0065 37	USP3	ubiquitin specific protease 3	-0.272063	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0065 37	USP3	ubiquitin specific protease 3	-0.010372	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0065 37	USP3	ubiquitin specific protease 3	0.010372	Inlier
siRNA Disorazole DMSO Run1	NM_0065 37	USP3	ubiquitin specific protease 3	0.70997	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0065 37	USP3	ubiquitin specific protease 3	1.49612	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0065 37	USP3	ubiquitin specific protease 3	1.775972	Inlier
siRNA Disorazole DMSO Run2	NM_0326 63	USP30	ubiquitin specific protease 30	-0.687209	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0326 63	USP30	ubiquitin specific protease 30	-0.661791	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0326 63	USP30	ubiquitin specific protease 30	-0.537184	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0326 63	USP30	ubiquitin specific protease 30	-0.378762	Inlier
siRNA Disorazole DMSO Run1	NM_0326 63	USP30	ubiquitin specific protease 30	0.378762	Inlier
siRNA Disorazole DMSO Run3	NM_0326 63	USP30	ubiquitin specific protease 30	0.919135	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0326 63	USP30	ubiquitin specific protease 30	1.038999	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0326 63	USP30	ubiquitin specific protease 30	1.274041	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0207 18	USP31	ubiquitin specific protease 31	-1.213011	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0207 18	USP31	ubiquitin specific protease 31	-1.159242	Inlier
siRNA Disorazole DMSO Run1	NM_0207 18	USP31	ubiquitin specific protease 31	-0.442461	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0207 18	USP31	ubiquitin specific protease 31	-0.238589	Inlier
siRNA Disorazole DMSO Run3	NM_0207 18	USP31	ubiquitin specific protease 31	0.238589	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0207 18	USP31	ubiquitin specific protease 31	0.669622	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0207 18	USP31	ubiquitin specific protease 31	0.679378	Inlier
siRNA Disorazole DMSO Run2	NM_0207 18	USP31	ubiquitin specific protease 31	0.769573	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0325 82	USP32	ubiquitin specific protease 32	-0.84019	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0325 82	USP32	ubiquitin specific protease 32	-0.50881	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0325 82	USP32	ubiquitin specific protease 32	-0.16098	Inlier
siRNA Disorazole DMSO Run2	NM_0325 82	USP32	ubiquitin specific protease 32	-0.001587	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0325 82	USP32	ubiquitin specific protease 32	0.001587	Inlier
siRNA Disorazole DMSO Run3	NM_0325 82	USP32	ubiquitin specific protease 32	0.875557	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0325 82	USP32	ubiquitin specific protease 32	1.356615	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0325 82	USP32	ubiquitin specific protease 32	1.37188	Inlier
siRNA-Temozolomide Run3- DMSO	NM_2016 26	USP33	ubiquitin specific protease 33	-1.253205	Inlier
siRNA Disorazole DMSO Run1	NM_2016 26	USP33	ubiquitin specific protease 33	-0.696542	Inlier
siRNA-Temozolomide Run1- DMSO	NM_2016 26	USP33	ubiquitin specific protease 33	-0.652458	Inlier
siRNA Disorazole DMSO Run3	NM_2016 26	USP33	ubiquitin specific protease 33	-0.066507	Inlier
siRNA-Temozolomide Run2- DMSO	NM_2016 26	USP33	ubiquitin specific protease 33	0.066507	Inlier
siRNA Disorazole DMSO Run2	NM_2016 26	USP33	ubiquitin specific protease 33	0.233832	Inlier
siRNA-Vinblastine Run2- DMSO	NM_2016 26	USP33	ubiquitin specific protease 33	0.916412	Inlier
siRNA-Vinblastine Run1- DMSO	NM_2016 26	USP33	ubiquitin specific protease 33	1.037428	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0147 09	USP34	ubiquitin specific protease 34	-1.450647	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0147 09	USP34	ubiquitin specific protease 34	-0.749863	Inlier
siRNA Disorazole DMSO Run3	NM_0147 09	USP34	ubiquitin specific protease 34	-0.599137	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0147 09	USP34	ubiquitin specific protease 34	-0.475944	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0147 09	USP34	ubiquitin specific protease 34	0.475943	Inlier
siRNA Disorazole DMSO Run2	NM_0147 09	USP34	ubiquitin specific protease 34	0.484384	Inlier
siRNA Disorazole DMSO Run1	NM_0147 09	USP34	ubiquitin specific protease 34	1.809876	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0147 09	USP34	ubiquitin specific protease 34	3.461319	Inlier
siRNA Disorazole DMSO Run3	XM_29052 7	USP35	ubiquitin specific protease 35	-1.108535	Inlier
siRNA-Vinblastine Run2-DMSO	XM_29052 7	USP35	ubiquitin specific protease 35	-0.917933	Inlier
siRNA-Temozolomide Run1-DMSO	XM_29052 7	USP35	ubiquitin specific protease 35	-0.431067	Inlier
siRNA Disorazole DMSO Run1	XM_29052 7	USP35	ubiquitin specific protease 35	-0.117666	Inlier
siRNA-Temozolomide Run3-DMSO	XM_29052 7	USP35	ubiquitin specific protease 35	0.117665	Inlier
siRNA-Temozolomide Run2-DMSO	XM_29052 7	USP35	ubiquitin specific protease 35	0.419572	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	XM_29052 7	USP35	ubiquitin specific protease 35	1.04827	Inlier
siRNA-Vinblastine Run1- DMSO	XM_29052 7	USP35	ubiquitin specific protease 35	4.026392	Outlier
siRNA-Temozolomide Run3- DMSO	NM_0250 90	USP36	ubiquitin specific protease 36	-1.358421	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0250 90	USP36	ubiquitin specific protease 36	-0.805547	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0250 90	USP36	ubiquitin specific protease 36	-0.543453	Inlier
siRNA Disorazole DMSO Run1	NM_0250 90	USP36	ubiquitin specific protease 36	-0.190803	Inlier
siRNA Disorazole DMSO Run3	NM_0250 90	USP36	ubiquitin specific protease 36	0.190803	Inlier
siRNA Disorazole DMSO Run2	NM_0250 90	USP36	ubiquitin specific protease 36	0.270166	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0250 90	USP36	ubiquitin specific protease 36	3.180978	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0250 90	USP36	ubiquitin specific protease 36	3.541408	Outlier
siRNA Disorazole DMSO Run2	NM_0209 35	USP37	ubiquitin specific protease 37	-1.374828	Inlier
siRNA Disorazole DMSO Run3	NM_0209 35	USP37	ubiquitin specific protease 37	-1.146149	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0209 35	USP37	ubiquitin specific protease 37	-0.677197	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0209 35	USP37	ubiquitin specific protease 37	-0.063534	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0209 35	USP37	ubiquitin specific protease 37	0.063534	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0209 35	USP37	ubiquitin specific protease 37	0.443935	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0209 35	USP37	ubiquitin specific protease 37	0.671803	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0209 35	USP37	ubiquitin specific protease 37	0.723505	Inlier
siRNA Disorazole DMSO Run3	NM_0325 57	USP38	ubiquitin specific protease 38	-0.977537	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0325 57	USP38	ubiquitin specific protease 38	-0.67519	Inlier
siRNA Disorazole DMSO Run2	NM_0325 57	USP38	ubiquitin specific protease 38	-0.67381	Inlier
siRNA Disorazole DMSO Run1	NM_0325 57	USP38	ubiquitin specific protease 38	-0.074917	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0325 57	USP38	ubiquitin specific protease 38	0.074917	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0325 57	USP38	ubiquitin specific protease 38	0.433592	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0325 57	USP38	ubiquitin specific protease 38	2.166662	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0325 57	USP38	ubiquitin specific protease 38	2.200691	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0065 90	USP39	ubiquitin specific protease 39	-0.806078	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0065 90	USP39	ubiquitin specific protease 39	-0.542922	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0065 90	USP39	ubiquitin specific protease 39	-0.243059	Inlier
siRNA Disorazole DMSO Run1	NM_0065 90	USP39	ubiquitin specific protease 39	-0.224425	Inlier
siRNA Disorazole DMSO Run2	NM_0065 90	USP39	ubiquitin specific protease 39	0.224425	Inlier
siRNA Disorazole DMSO Run3	NM_0065 90	USP39	ubiquitin specific protease 39	1.338834	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0065 90	USP39	ubiquitin specific protease 39	1.39225	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0065 90	USP39	ubiquitin specific protease 39	1.4871	Inlier
siRNA Disorazole DMSO Run3	NM_1994 43	USP4	ubiquitin specific protease 4 (proto- oncogene)	-1.45373	Inlier
siRNA Disorazole DMSO Run2	NM_1994 43	USP4	ubiquitin specific protease 4 (proto- oncogene)	-0.631182	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1994 43	USP4	ubiquitin specific protease 4 (proto- oncogene)	-0.377295	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_1994 43	USP4	ubiquitin specific protease 4 (proto- oncogene)	-0.067299	Inlier
siRNA Disorazole DMSO Run1	NM_1994 43	USP4	ubiquitin specific protease 4 (proto- oncogene)	0.067299	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1994 43	USP4	ubiquitin specific protease 4 (proto- oncogene)	0.717818	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1994 43	USP4	ubiquitin specific protease 4 (proto- oncogene)	1.164103	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1994 43	USP4	ubiquitin specific protease 4 (proto- oncogene)	1.776681	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0182 18	USP40	ubiquitin specific protease 40	-1.495711	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0182 18	USP40	ubiquitin specific protease 40	-1.063329	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0182 18	USP40	ubiquitin specific protease 40	-0.742581	Inlier
siRNA Disorazole DMSO Run1	NM_0182 18	USP40	ubiquitin specific protease 40	-0.192933	Inlier
siRNA Disorazole DMSO Run2	NM_0182 18	USP40	ubiquitin specific protease 40	0.192933	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0182 18	USP40	ubiquitin specific protease 40	0.355452	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0182 18	USP40	ubiquitin specific protease 40	0.606419	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0182 18	USP40	ubiquitin specific protease 40	1.079173	Inlier
siRNA-Temozolomide Run3- DMSO	XM_03672 9	USP41	ubiquitin specific protease 41	-2.135914	Inlier
siRNA-Temozolomide Run2- DMSO	XM_03672 9	USP41	ubiquitin specific protease 41	-1.085786	Inlier
siRNA Disorazole DMSO Run1	XM_03672 9	USP41	ubiquitin specific protease 41	-0.125109	Inlier
siRNA-Temozolomide Run1- DMSO	XM_03672 9	USP41	ubiquitin specific protease 41	-0.060885	Inlier
siRNA-Vinblastine Run2- DMSO	XM_03672 9	USP41	ubiquitin specific protease 41	0.060885	Inlier
siRNA Disorazole DMSO Run3	XM_03672 9	USP41	ubiquitin specific protease 41	0.263214	Inlier
siRNA-Vinblastine Run1- DMSO	XM_03672 9	USP41	ubiquitin specific protease 41	2.026913	Inlier
siRNA Disorazole DMSO Run2	XM_03672 9	USP41	ubiquitin specific protease 41	2.075282	Inlier
siRNA-Temozolomide Run3- DMSO	XM_37187 2	USP42	ubiquitin specific protease 42	-1.249394	Inlier
siRNA Disorazole DMSO Run3	XM_37187 2	USP42	ubiquitin specific protease 42	-0.497185	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	XM_37187 2	USP42	ubiquitin specific protease 42	-0.458677	Inlier
siRNA-Temozolomide Run2-DMSO	XM_37187 2	USP42	ubiquitin specific protease 42	-0.382391	Inlier
siRNA-Temozolomide Run1-DMSO	XM_37187 2	USP42	ubiquitin specific protease 42	0.382391	Inlier
siRNA Disorazole DMSO Run1	XM_37187 2	USP42	ubiquitin specific protease 42	0.851815	Inlier
siRNA Disorazole DMSO Run2	XM_37187 2	USP42	ubiquitin specific protease 42	1.361239	Inlier
siRNA-Vinblastine Run1-DMSO	XM_37187 2	USP42	ubiquitin specific protease 42	1.570396	Inlier
siRNA Disorazole DMSO Run1	NM_0321 47	USP44	ubiquitin specific protease 44	-3.368242	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0321 47	USP44	ubiquitin specific protease 44	-2.845812	Inlier
siRNA Disorazole DMSO Run2	NM_0321 47	USP44	ubiquitin specific protease 44	-0.596206	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0321 47	USP44	ubiquitin specific protease 44	-0.193835	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0321 47	USP44	ubiquitin specific protease 44	0.193835	Inlier
siRNA Disorazole DMSO Run3	NM_0321 47	USP44	ubiquitin specific protease 44	0.597346	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0321 47	USP44	ubiquitin specific protease 44	0.751654	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0321 47	USP44	ubiquitin specific protease 44	1.64746	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0228 32	USP46	ubiquitin specific protease 46	-0.763573	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0228 32	USP46	ubiquitin specific protease 46	-0.585427	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0228 32	USP46	ubiquitin specific protease 46	-0.545591	Inlier
siRNA Disorazole DMSO Run2	NM_0228 32	USP46	ubiquitin specific protease 46	-0.532015	Inlier
siRNA Disorazole DMSO Run1	NM_0228 32	USP46	ubiquitin specific protease 46	0.532015	Inlier
siRNA Disorazole DMSO Run3	NM_0228 32	USP46	ubiquitin specific protease 46	1.025616	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0228 32	USP46	ubiquitin specific protease 46	2.539386	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0228 32	USP46	ubiquitin specific protease 46	3.805386	Outlier
siRNA-Temozolomide Run3-DMSO	NM_0179 44	USP47	ubiquitin specific protease 47	-0.738361	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0179 44	USP47	ubiquitin specific protease 47	-0.610639	Inlier
siRNA Disorazole DMSO Run2	NM_0179 44	USP47	ubiquitin specific protease 47	-0.174013	Inlier
siRNA Disorazole DMSO Run3	NM_0179 44	USP47	ubiquitin specific protease 47	-0.001718	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein	Value	Outlier Status
siRNA-Temozolomide Run1-DMSO	NM_0179 44	USP47	ubiquitin specific protease 47	0.001718	Inlier
siRNA Disorazole DMSO Run1	NM_0179 44	USP47	ubiquitin specific protease 47	1.052637	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0179 44	USP47	ubiquitin specific protease 47	1.608254	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0179 44	USP47	ubiquitin specific protease 47	1.964849	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0322 36	USP48	ubiquitin specific protease 48	-1.239054	Inlier
siRNA Disorazole DMSO Run1	NM_0322 36	USP48	ubiquitin specific protease 48	-0.421744	Inlier
siRNA Disorazole DMSO Run2	NM_0322 36	USP48	ubiquitin specific protease 48	-0.363138	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0322 36	USP48	ubiquitin specific protease 48	-0.014251	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0322 36	USP48	ubiquitin specific protease 48	0.014251	Inlier
siRNA Disorazole DMSO Run3	NM_0322 36	USP48	ubiquitin specific protease 48	0.927256	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0322 36	USP48	ubiquitin specific protease 48	1.171098	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0322 36	USP48	ubiquitin specific protease 48	1.275376	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0042 75	USP49	ubiquitin specific protease 49	-1.144561	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_0042 75	USP49	ubiquitin specific protease 49	-0.925732	Inlier
siRNA Disorazole DMSO Run1	NM_0042 75	USP49	ubiquitin specific protease 49	-0.273922	Inlier
siRNA Disorazole DMSO Run3	NM_0042 75	USP49	ubiquitin specific protease 49	-0.018932	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0042 75	USP49	ubiquitin specific protease 49	0.018932	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0042 75	USP49	ubiquitin specific protease 49	0.423268	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0042 75	USP49	ubiquitin specific protease 49	1.315805	Inlier
siRNA Disorazole DMSO Run2	NM_0042 75	USP49	ubiquitin specific protease 49	1.39652	Inlier
siRNA Disorazole DMSO Run2	NM_0034 81	USP5	ubiquitin specific protease 5 (isopeptidase T)	-0.956206	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0034 81	USP5	ubiquitin specific protease 5 (isopeptidase T)	-0.392794	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0034 81	USP5	ubiquitin specific protease 5 (isopeptidase T)	-0.36387	Inlier
siRNA Disorazole DMSO Run1	NM_0034 81	USP5	ubiquitin specific protease 5 (isopeptidase T)	-0.226786	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0034 81	USP5	ubiquitin specific protease 5 (isopeptidase T)	0.226786	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0034 81	USP5	ubiquitin specific protease 5 (isopeptidase T)	1.362017	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0034 81	USP5	ubiquitin specific protease 5 (isopeptidase T)	2.212406	Inlier
siRNA Disorazole DMSO Run3	NM_0034 81	USP5	ubiquitin specific protease 5 (isopeptidase T)	2.938522	Inlier
siRNA-Temozolomide Run3-DMSO	NM_2012 86	USP51	ubiquitin specific protease 51	-1.698544	Inlier
siRNA-Temozolomide Run2-DMSO	NM_2012 86	USP51	ubiquitin specific protease 51	-1.10022	Inlier
siRNA-Temozolomide Run1-DMSO	NM_2012 86	USP51	ubiquitin specific protease 51	-0.833952	Inlier
siRNA Disorazole DMSO Run3	NM_2012 86	USP51	ubiquitin specific protease 51	-0.092367	Inlier
siRNA Disorazole DMSO Run1	NM_2012 86	USP51	ubiquitin specific protease 51	0.092367	Inlier
siRNA Disorazole DMSO Run2	NM_2012 86	USP51	ubiquitin specific protease 51	0.148215	Inlier
siRNA-Vinblastine Run2-DMSO	NM_2012 86	USP51	ubiquitin specific protease 51	0.515048	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_201286	USP51	ubiquitin specific protease 51	1.445833	Inlier
siRNA-Temozolomide Run3-DMSO	NM_014871	USP52	ubiquitin specific protease 52	-1.154663	Inlier
siRNA-Temozolomide Run2-DMSO	NM_014871	USP52	ubiquitin specific protease 52	-0.935304	Inlier
siRNA Disorazole DMSO Run3	NM_014871	USP52	ubiquitin specific protease 52	-0.695787	Inlier
siRNA Disorazole DMSO Run2	NM_014871	USP52	ubiquitin specific protease 52	-0.059558	Inlier
siRNA Disorazole DMSO Run1	NM_014871	USP52	ubiquitin specific protease 52	0.059558	Inlier
siRNA-Temozolomide Run1-DMSO	NM_014871	USP52	ubiquitin specific protease 52	0.431529	Inlier
siRNA-Vinblastine Run1-DMSO	NM_014871	USP52	ubiquitin specific protease 52	0.653212	Inlier
siRNA-Vinblastine Run2-DMSO	NM_014871	USP52	ubiquitin specific protease 52	1.396447	Inlier
siRNA-Temozolomide Run3-DMSO	NM_004505	USP6	ubiquitin specific protease 6 (Tre-2 oncogene)	-1.93665	Inlier
siRNA Disorazole DMSO Run2	NM_004505	USP6	ubiquitin specific protease 6 (Tre-2 oncogene)	-0.569269	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0045 05	USP6	ubiquitin specific protease 6 (Tre-2 oncogene)	-0.366506	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0045 05	USP6	ubiquitin specific protease 6 (Tre-2 oncogene)	-0.232154	Inlier
siRNA Disorazole DMSO Run1	NM_0045 05	USP6	ubiquitin specific protease 6 (Tre-2 oncogene)	0.232154	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0045 05	USP6	ubiquitin specific protease 6 (Tre-2 oncogene)	0.779731	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0045 05	USP6	ubiquitin specific protease 6 (Tre-2 oncogene)	2.905486	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0045 05	USP6	ubiquitin specific protease 6 (Tre-2 oncogene)	2.924086	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0034 70	USP7	ubiquitin specific protease 7 (herpes virus- associated)	-1.380595	Inlier
siRNA Disorazole DMSO Run1	NM_0034 70	USP7	ubiquitin specific protease 7 (herpes virus- associated)	-1.156261	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0034 70	USP7	ubiquitin specific protease 7 (herpes virus- associated)	-0.287504	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0034 70	USP7	ubiquitin specific protease 7 (herpes virus- associated)	-0.268923	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0034 70	USP7	ubiquitin specific protease 7 (herpes virus- associated)	0.268923	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0034 70	USP7	ubiquitin specific protease 7 (herpes virus- associated)	0.64999	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0034 70	USP7	ubiquitin specific protease 7 (herpes virus- associated)	0.69901	Inlier
siRNA Disorazole DMSO Run3	NM_0034 70	USP7	ubiquitin specific protease 7 (herpes virus- associated)	0.70836	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0051 54	USP8	ubiquitin specific protease 8	-1.15572	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0051 54	USP8	ubiquitin specific protease 8	-0.876828	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0051 54	USP8	ubiquitin specific protease 8	-0.459054	Inlier
siRNA Disorazole DMSO Run2	NM_0051 54	USP8	ubiquitin specific protease 8	-0.358576	Inlier
siRNA Disorazole DMSO Run3	NM_0051 54	USP8	ubiquitin specific protease 8	0.358576	Inlier
siRNA Disorazole DMSO Run1	NM_0051 54	USP8	ubiquitin specific protease 8	0.472172	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0051 54	USP8	ubiquitin specific protease 8	2.44219	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0051 54	USP8	ubiquitin specific protease 8	2.85539	Inlier
siRNA Disorazole DMSO Run2	NM_0219 06	USP9X	ubiquitin specific protease 9, X-linked (fat facets-like, Drosophila)	-1.217236	Inlier
siRNA Disorazole DMSO Run1	NM_0219 06	USP9X	ubiquitin specific protease 9, X-linked (fat facets-like, Drosophila)	-0.829485	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0219 06	USP9X	ubiquitin specific protease 9, X-linked (fat facets-like, Drosophila)	-0.597817	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_021906	USP9X	ubiquitin specific protease 9, X-linked (fat facets-like, Drosophila)	-0.23397	Inlier
siRNA-Vinblastine Run1-DMSO	NM_021906	USP9X	ubiquitin specific protease 9, X-linked (fat facets-like, Drosophila)	0.233971	Inlier
siRNA-Temozolomide Run1-DMSO	NM_021906	USP9X	ubiquitin specific protease 9, X-linked (fat facets-like, Drosophila)	0.275334	Inlier
siRNA-Vinblastine Run2-DMSO	NM_021906	USP9X	ubiquitin specific protease 9, X-linked (fat facets-like, Drosophila)	0.751183	Inlier
siRNA Disorazole DMSO Run3	NM_021906	USP9X	ubiquitin specific protease 9, X-linked (fat facets-like, Drosophila)	1.280633	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_004654	USP9Y	ubiquitin specific protease 9, Y-linked (fat facets-like, Drosophila)	-1.53044	Inlier
siRNA-Temozolomide Run2-DMSO	NM_004654	USP9Y	ubiquitin specific protease 9, Y-linked (fat facets-like, Drosophila)	-1.402167	Inlier
siRNA-Temozolomide Run1-DMSO	NM_004654	USP9Y	ubiquitin specific protease 9, Y-linked (fat facets-like, Drosophila)	-0.668145	Inlier
siRNA Disorazole DMSO Run2	NM_004654	USP9Y	ubiquitin specific protease 9, Y-linked (fat facets-like, Drosophila)	-0.091125	Inlier
siRNA Disorazole DMSO Run1	NM_004654	USP9Y	ubiquitin specific protease 9, Y-linked (fat facets-like, Drosophila)	0.091125	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0046 54	USP9Y	ubiquitin specific protease 9, Y-linked (fat facets- like, Drosophila)	0.414715	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0046 54	USP9Y	ubiquitin specific protease 9, Y-linked (fat facets- like, Drosophila)	0.680855	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0046 54	USP9Y	ubiquitin specific protease 9, Y-linked (fat facets- like, Drosophila)	1.511499	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0057 15	UST	uronyl-2- sulfotransf erase	-0.838661	Inlier
siRNA Disorazole DMSO Run3	NM_0057 15	UST	uronyl-2- sulfotransf erase	-0.718934	Inlier
siRNA Disorazole DMSO Run1	NM_0057 15	UST	uronyl-2- sulfotransf erase	-0.630066	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0057 15	UST	uronyl-2- sulfotransf erase	-0.127312	Inlier
siRNA Disorazole DMSO Run2	NM_0057 15	UST	uronyl-2- sulfotransf erase	0.127311	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0057 15	UST	uronyl-2- sulfotransf erase	0.336244	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0057 15	UST	uronyl-2- sulfotransf erase	0.892227	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0057 15	UST	uronyl-2- sulfotransf erase	0.918426	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Temozolomide Run3- DMSO	NM_0189 49	UTS2R	urotensin 2 receptor	-1.65232	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0189 49	UTS2R	urotensin 2 receptor	-1.110425	Inlier
siRNA Disorazole DMSO Run3	NM_0189 49	UTS2R	urotensin 2 receptor	-0.389039	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0189 49	UTS2R	urotensin 2 receptor	-0.196467	Inlier
siRNA Disorazole DMSO Run1	NM_0189 49	UTS2R	urotensin 2 receptor	0.196467	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0189 49	UTS2R	urotensin 2 receptor	0.473112	Inlier
siRNA Disorazole DMSO Run2	NM_0189 49	UTS2R	urotensin 2 receptor	0.875888	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0189 49	UTS2R	urotensin 2 receptor	1.633549	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0250 76	UXS1	UDP- glucuronat e decarboxyl ase 1	-0.989952	Inlier
siRNA Disorazole DMSO Run1	NM_0250 76	UXS1	UDP- glucuronat e decarboxyl ase 1	-0.678986	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0250 76	UXS1	UDP- glucuronat e decarboxyl ase 1	-0.670014	Inlier
siRNA Disorazole DMSO Run3	NM_0250 76	UXS1	UDP- glucuronat e decarboxyl ase 1	-0.097714	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0250 76	UXS1	UDP- glucuronat e decarboxyl ase 1	0.097714	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0250 76	UXS1	UDP- glucuronat e decarboxyl ase 1	0.274959	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0250 76	UXS1	UDP- glucuronat e decarboxyl ase 1	1.294389	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0250 76	UXS1	UDP-glucuronate decarboxylase 1	1.747279	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0062 95	VAR2	valyl-tRNA synthetase 2	-0.903242	Inlier
siRNA Disorazole DMSO Run1	NM_0062 95	VAR2	valyl-tRNA synthetase 2	-0.445758	Inlier
siRNA Disorazole DMSO Run3	NM_0062 95	VAR2	valyl-tRNA synthetase 2	-0.328012	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0062 95	VAR2	valyl-tRNA synthetase 2	-0.260535	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0062 95	VAR2	valyl-tRNA synthetase 2	0.260536	Inlier
siRNA Disorazole DMSO Run2	NM_0062 95	VAR2	valyl-tRNA synthetase 2	1.075059	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0062 95	VAR2	valyl-tRNA synthetase 2	1.202346	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0062 95	VAR2	valyl-tRNA synthetase 2	2.921143	Inlier
siRNA Disorazole DMSO Run1	NM_0063 73	VAT1	vesicle amine transport protein 1 homolog (T californica)	-1.304566	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_006373	VAT1	vesicle amine transport protein 1 homolog (T californica)	-0.46455	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006373	VAT1	vesicle amine transport protein 1 homolog (T californica)	-0.242919	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006373	VAT1	vesicle amine transport protein 1 homolog (T californica)	-0.045437	Inlier
siRNA-Temozolomide Run2-DMSO	NM_006373	VAT1	vesicle amine transport protein 1 homolog (T californica)	0.045437	Inlier
siRNA Disorazole DMSO Run3	NM_006373	VAT1	vesicle amine transport protein 1 homolog (T californica)	0.88445	Inlier
siRNA Disorazole DMSO Run2	NM_006373	VAT1	vesicle amine transport protein 1 homolog (T californica)	1.688359	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0063 73	VAT1	vesicle amine transport protein 1 homolog (T californica)	2.163603	Inlier
siRNA Disorazole DMSO Run3	NM_0054 28	VAV1	vav 1 oncogene	-1.05512	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0054 28	VAV1	vav 1 oncogene	-0.894003	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0054 28	VAV1	vav 1 oncogene	-0.820891	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0054 28	VAV1	vav 1 oncogene	-0.135006	Inlier
siRNA Disorazole DMSO Run1	NM_0054 28	VAV1	vav 1 oncogene	0.135006	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0054 28	VAV1	vav 1 oncogene	0.2258	Inlier
siRNA Disorazole DMSO Run2	NM_0054 28	VAV1	vav 1 oncogene	0.602787	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0054 28	VAV1	vav 1 oncogene	0.746213	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0033 71	VAV2	vav 2 oncogene	-1.401913	Inlier
siRNA Disorazole DMSO Run1	NM_0033 71	VAV2	vav 2 oncogene	-1.26619	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0033 71	VAV2	vav 2 oncogene	-0.535606	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0033 71	VAV2	vav 2 oncogene	-0.441228	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0033 71	VAV2	vav 2 oncogene	0.441228	Inlier
siRNA Disorazole DMSO Run3	NM_0033 71	VAV2	vav 2 oncogene	0.611196	Inlier
siRNA Disorazole DMSO Run2	NM_0033 71	VAV2	vav 2 oncogene	0.737804	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0033 71	VAV2	vav 2 oncogene	0.979538	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0061 13	VAV3	vav 3 oncogene	-0.897088	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0061 13	VAV3	vav 3 oncogene	-0.451912	Inlier
siRNA Disorazole DMSO Run1	NM_0061 13	VAV3	vav 3 oncogene	-0.214179	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0061 13	VAV3	vav 3 oncogene	-0.111421	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0061 13	VAV3	vav 3 oncogene	0.111422	Inlier
siRNA Disorazole DMSO Run3	NM_0061 13	VAV3	vav 3 oncogene	1.002297	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology	NM_0061		vav 3	
siRNA Disorazole DMSO Run2	13	VAV3	oncogene	1.280136 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0061 13	VAV3	vav 3 oncogene	1.946347 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0033 73	VCL	vinculin	-1.14294 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0033 73	VCL	vinculin	-0.746295 Inlier
siRNA Disorazole DMSO Run1	NM_0033 73	VCL	vinculin	-0.602705 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0033 73	VCL	vinculin	-0.37368 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0033 73	VCL	vinculin	0.373679 Inlier
siRNA Disorazole DMSO Run3	NM_0033 73	VCL	vinculin	0.535349 Inlier
siRNA Disorazole DMSO Run2	NM_0033 73	VCL	vinculin	1.615111 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0033 73	VCL	vinculin	2.297517 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0071 26	VCP	valosin-containing protein	-1.437646 Inlier
siRNA Disorazole DMSO Run3	NM_0071 26	VCP	valosin-containing protein	-0.914062 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0071 26	VCP	valosin-containing protein	-0.434938 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0071 26	VCP	valosin-containing protein	-0.019072 Inlier
siRNA Disorazole DMSO Run1	NM_0071 26	VCP	valosin-containing protein	0.019072 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0071 26	VCP	valosin-containing protein	0.092821 Inlier
siRNA Disorazole DMSO Run2	NM_0071 26	VCP	valosin-containing protein	5.575455 Outlier
siRNA-Vinblastine Run1-DMSO	NM_0071 26	VCP	valosin-containing protein	6.524886 Outlier
siRNA-Temozolomide Run3-DMSO	NM_0033 74	VDAC1	voltage-dependent anion channel 1	-3.638886 Outlier
siRNA Disorazole DMSO Run1	NM_0033 74	VDAC1	voltage-dependent anion channel 1	-1.427548 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_0033 74	VDAC1	voltage-dependent anion channel 1	-0.256902	Inlier
siRNA Disorazole DMSO Run3	NM_0033 74	VDAC1	voltage-dependent anion channel 1	-0.130417	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0033 74	VDAC1	voltage-dependent anion channel 1	0.130418	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0033 74	VDAC1	voltage-dependent anion channel 1	0.135214	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0033 74	VDAC1	voltage-dependent anion channel 1	1.092098	Inlier
siRNA Disorazole DMSO Run2	NM_0033 74	VDAC1	voltage-dependent anion channel 1	4.593156	Outlier
siRNA Disorazole DMSO Run1	NM_0033 75	VDAC2	voltage-dependent anion channel 2	-1.362149	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0033 75	VDAC2	voltage-dependent anion channel 2	-0.886505	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0033 75	VDAC2	voltage-dependent anion channel 2	-0.462495	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0033 75	VDAC2	voltage-dependent anion channel 2	-0.052719	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0033 75	VDAC2	voltage-dependent anion channel 2	0.052719	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0033 75	VDAC2	voltage-dependent anion channel 2	0.297218	Inlier
siRNA Disorazole DMSO Run3	NM_0033 75	VDAC2	voltage-dependent anion channel 2	0.982465	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0033 75	VDAC2	voltage- dependent anion channel 2	1.595007	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0056 62	VDAC3	voltage- dependent anion channel 3	-1.234341	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0056 62	VDAC3	voltage- dependent anion channel 3	-1.003592	Inlier
siRNA Disorazole DMSO Run3	NM_0056 62	VDAC3	voltage- dependent anion channel 3	-0.378456	Inlier
siRNA Disorazole DMSO Run1	NM_0056 62	VDAC3	voltage- dependent anion channel 3	-0.295411	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0056 62	VDAC3	voltage- dependent anion channel 3	0.295411	Inlier
siRNA Disorazole DMSO Run2	NM_0056 62	VDAC3	voltage- dependent anion channel 3	0.330626	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0056 62	VDAC3	voltage- dependent anion channel 3	0.970544	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0056 62	VDAC3	voltage- dependent anion channel 3	1.199152	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0010 17535	VDR	vitamin D (1,25- dihydroxyv itamin D3) receptor	-1.249692	Inlier
siRNA Disorazole DMSO Run2	NM_0010 17535	VDR	vitamin D (1,25- dihydroxyv itamin D3) receptor	-0.825717	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0010 17535	VDR	vitamin D (1,25- dihydroxyv itamin D3) receptor	-0.650897	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0010 17535	VDR	vitamin D (1,25- dihydroxyv itamin D3) receptor	-0.129132	Inlier
siRNA Disorazole DMSO Run1	NM_0010 17535	VDR	vitamin D (1,25- dihydroxyv itamin D3) receptor	0.129131	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0010 17535	VDR	vitamin D (1,25- dihydroxyv itamin D3) receptor	0.135738	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0010 17535	VDR	vitamin D (1,25- dihydroxyv itamin D3) receptor	0.698103	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0010 17535	VDR	vitamin D (1,25- dihydroxyv itamin D3) receptor mediator of RNA polymeras e II transcripti on, subunit 4 homolog (yeast)	0.999646	Inlier
siRNA Disorazole DMSO Run2	NM_0141 66	VDRIP		-2.585096	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Method	Score	Outlier Status	Gene Description
siRNA-Temozolomide Run3-DMSO	NM_014166	VDRIP	-0.879438	Inlier	mediator of RNA polymerase II transcription, subunit 4 homolog (yeast)
siRNA Disorazole DMSO Run1	NM_014166	VDRIP	-0.611657	Inlier	mediator of RNA polymerase II transcription, subunit 4 homolog (yeast)
siRNA-Temozolomide Run2-DMSO	NM_014166	VDRIP	-0.138292	Inlier	mediator of RNA polymerase II transcription, subunit 4 homolog (yeast)
siRNA-Temozolomide Run1-DMSO	NM_014166	VDRIP	0.138292	Inlier	mediator of RNA polymerase II transcription, subunit 4 homolog (yeast)
siRNA-Vinblastine Run1-DMSO	NM_014166	VDRIP	0.523973	Inlier	mediator of RNA polymerase II transcription, subunit 4 homolog (yeast)

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Method	Value	Category	Description
siRNA Disorazole DMSO Run3	NM_014166	VDRIP	0.737343	Inlier	mediator of RNA polymerase II transcription, subunit 4 homolog (yeast)
siRNA-Vinblastine Run2-DMSO	NM_014166	VDRIP	1.390663	Inlier	mediator of RNA polymerase II transcription, subunit 4 homolog (yeast)
siRNA-Temozolomide Run3-DMSO	NM_052867	VGCNL1	-1.187953	Inlier	voltage gated channel like 1
siRNA-Temozolomide Run2-DMSO	NM_052867	VGCNL1	-1.081512	Inlier	voltage gated channel like 1
siRNA Disorazole DMSO Run3	NM_052867	VGCNL1	-0.344072	Inlier	voltage gated channel like 1
siRNA-Temozolomide Run1-DMSO	NM_052867	VGCNL1	-0.020512	Inlier	voltage gated channel like 1
siRNA Disorazole DMSO Run1	NM_052867	VGCNL1	0.020512	Inlier	voltage gated channel like 1
siRNA Disorazole DMSO Run2	NM_052867	VGCNL1	0.455441	Inlier	voltage gated channel like 1
siRNA-Vinblastine Run1-DMSO	NM_052867	VGCNL1	0.893559	Inlier	voltage gated channel like 1
siRNA-Vinblastine Run2-DMSO	NM_052867	VGCNL1	1.080182	Inlier	voltage gated channel like 1

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0805 52	VIAAT	solute carrier family 32 (GABA vesicular transporter), member 1	-14.35935	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0805 52	VIAAT	solute carrier family 32 (GABA vesicular transporter), member 1	-2.973161	Inlier
siRNA Disorazole DMSO Run1	NM_0805 52	VIAAT	solute carrier family 32 (GABA vesicular transporter), member 1	-0.428224	Inlier
siRNA Disorazole DMSO Run2	NM_0805 52	VIAAT	solute carrier family 32 (GABA vesicular transporter), member 1	-0.008348	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0805 52	VIAAT	solute carrier family 32 (GABA vesicular transporter), member 1	0.008348	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0805 52	VIAAT	solute carrier family 32 (GABA vesicular transporter), member 1	0.62078	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0805 52	VIAAT	solute carrier family 32 (GABA vesicular transporter), member 1	0.72822	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0805 52	VIAAT	solute carrier family 32 (GABA vesicular transporter), member 1	4.873427	Outlier
siRNA-Temozolomide Run2-DMSO	NM_0046 24	VIPR1	vasoactive intestinal peptide receptor 1	-0.903803	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0046 24	VIPR1	vasoactive intestinal peptide receptor 1	-0.76945	Inlier
siRNA Disorazole DMSO Run3	NM_0046 24	VIPR1	vasoactive intestinal peptide receptor 1	-0.57955	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0046 24	VIPR1	vasoactive intestinal peptide receptor 1	-0.390291	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0046 24	VIPR1	vasoactive intestinal peptide receptor 1	0.390292	Inlier
siRNA Disorazole DMSO Run2	NM_0046 24	VIPR1	vasoactive intestinal peptide receptor 1	0.411712	Inlier
siRNA Disorazole DMSO Run1	NM_0046 24	VIPR1	vasoactive intestinal peptide receptor 1	1.116145	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0046 24	VIPR1	vasoactive intestinal peptide receptor 1	1.421638	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0033 82	VIPR2	vasoactive intestinal peptide receptor 2	-1.365979	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0033 82	VIPR2	vasoactive intestinal peptide receptor 2	-1.072865	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0033 82	VIPR2	vasoactive intestinal peptide receptor 2	-0.721336	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0033 82	VIPR2	vasoactive intestinal peptide receptor 2	-0.33064	Inlier
siRNA Disorazole DMSO Run1	NM_0033 82	VIPR2	vasoactive intestinal peptide receptor 2	0.33064	Inlier
siRNA Disorazole DMSO Run3	NM_0033 82	VIPR2	vasoactive intestinal peptide receptor 2	0.568951	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0033 82	VIPR2	vasoactive intestinal peptide receptor 2	0.627664	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0033 82	VIPR2	vasoactive intestinal peptide receptor 2	0.832429	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0010 18056	VLDLR	very low density lipoprotein receptor	-2.230134	Inlier
siRNA Disorazole DMSO Run1	NM_0010 18056	VLDLR	very low density lipoprotein receptor	-0.696621	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0010 18056	VLDLR	very low density lipoprotein receptor	-0.652379	Inlier
siRNA Disorazole DMSO Run3	NM_0010 18056	VLDLR	very low density lipoprotein receptor	-0.254024	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0010 18056	VLDLR	very low density lipoprotein receptor	0.254024	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0010 18056	VLDLR	very low density lipoprotein receptor	0.549412	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0010 18056	VLDLR	very low density lipoprotein receptor	2.820147	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0010 18056	VLDLR	very low density lipoprotein receptor vomeronal	4.62248	Outlier
siRNA-Temozolomide Run3- DMSO	NM_0206 33	VN1R1	receptor 1 vomeronal	-0.724777	Inlier
siRNA Disorazole DMSO Run3	NM_0206 33	VN1R1	receptor 1 vomeronal	-0.634256	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0206 33	VN1R1	receptor 1 vomeronal	-0.24038	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0206 33	VN1R1	receptor 1 vomeronal	-0.093118	Inlier
siRNA Disorazole DMSO Run2	NM_0206 33	VN1R1	receptor 1 vomeronal	0.093118	Inlier
siRNA Disorazole DMSO Run1	NM_0206 33	VN1R1	receptor 1 vomeronal	0.714744	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0206 33	VN1R1	receptor 1 vomeronal	1.623435	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0206 33	VN1R1	receptor 1 vomeronal	1.62382	Inlier
siRNA Disorazole DMSO Run3	NM_1738 56	VN1R2	receptor 2 vomeronal	-1.092309	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1738 56	VN1R2	receptor 2 vomeronal	-1.017547	Inlier
siRNA Disorazole DMSO Run2	NM_1738 56	VN1R2	receptor 2 vomeronal	-0.901663	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1738 56	VN1R2	receptor 2 vomeronal	-0.055617	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1738 56	VN1R2	receptor 2 vomeronal	0.055617	Inlier
siRNA Disorazole DMSO Run1	NM_1738 56	VN1R2	receptor 2	0.126586	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology				vomeronasal 1	
siRNA-Vinblastine Run2-DMSO	NM_1738 56	VN1R2	receptor 2	0.447337	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1738 56	VN1R2	receptor 2	0.966432	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1738 57	VN1R4	receptor 4	-1.865955	Inlier
siRNA Disorazole DMSO Run1	NM_1738 57	VN1R4	receptor 4	-1.06675	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1738 57	VN1R4	receptor 4	-0.752987	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1738 57	VN1R4	receptor 4	-0.369677	Inlier
siRNA Disorazole DMSO Run2	NM_1738 57	VN1R4	receptor 4	0.369676	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1738 57	VN1R4	receptor 4	0.379019	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1738 57	VN1R4	receptor 4	0.596013	Inlier
siRNA Disorazole DMSO Run3	NM_1738 57	VN1R4	receptor 4	2.578834	Inlier
siRNA Disorazole DMSO Run2	NM_1738 58	VN1R5	receptor 5	-1.361566	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1738 58	VN1R5	receptor 5	-1.197844	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1738 58	VN1R5	receptor 5	-0.285253	Inlier
siRNA Disorazole DMSO Run1	NM_1738 58	VN1R5	receptor 5	-0.01414	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1738 58	VN1R5	receptor 5	0.01414	Inlier
siRNA Disorazole DMSO Run3	NM_1738 58	VN1R5	receptor 5	0.102192	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1738 58	VN1R5	receptor 5	1.063747	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology		vomeronasal 1 receptor 5		
siRNA-Vinblastine Run2-DMSO	NM_1738 58	VN1R5	receptor 5	1.267896 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0046 66	VNN1	vanin 1	-1.390086 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0046 66	VNN1	vanin 1	-0.748778 Inlier
siRNA Disorazole DMSO Run3	NM_0046 66	VNN1	vanin 1	-0.603241 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0046 66	VNN1	vanin 1	-0.183294 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0046 66	VNN1	vanin 1	0.183293 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0046 66	VNN1	vanin 1	0.251131 Inlier
siRNA Disorazole DMSO Run2	NM_0046 66	VNN1	vanin 1	0.745759 Inlier
siRNA Disorazole DMSO Run1	NM_0046 66	VNN1	vanin 1	1.137043 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0046 65	VNN2	vanin 2	-0.963699 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0046 65	VNN2	vanin 2	-0.824473 Inlier
siRNA Disorazole DMSO Run3	NM_0046 65	VNN2	vanin 2	-0.412561 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0046 65	VNN2	vanin 2	-0.310958 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0046 65	VNN2	vanin 2	0.310958 Inlier
siRNA Disorazole DMSO Run1	NM_0046 65	VNN2	vanin 2	0.524527 Inlier
siRNA Disorazole DMSO Run2	NM_0046 65	VNN2	vanin 2	0.958481 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0046 65	VNN2	vanin 2	1.136605 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0183 99	VNN3	vanin 3	-1.119711 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0183 99	VNN3	vanin 3	-0.229289 Inlier
siRNA Disorazole DMSO Run3	NM_0183 99	VNN3	vanin 3	-0.154088 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0183 99	VNN3	vanin 3	-0.096583 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0183 99	VNN3	vanin 3	0.096583 Inlier
siRNA Disorazole DMSO Run1	NM_0183 99	VNN3	vanin 3	1.488679 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0183 99	VNN3	vanin 3	2.993316 Inlier
siRNA Disorazole DMSO Run2	NM_0183 99	VNN3	vanin 3	4.075646 Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0571 80	VPS29	vacuolar protein sorting 29 (yeast)	-1.81463	Inlier
siRNA Disorazole DMSO Run2	NM_0571 80	VPS29	vacuolar protein sorting 29 (yeast)	-0.847568	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0571 80	VPS29	vacuolar protein sorting 29 (yeast)	-0.538742	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0571 80	VPS29	vacuolar protein sorting 29 (yeast)	-0.454078	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0571 80	VPS29	vacuolar protein sorting 29 (yeast)	0.454078	Inlier
siRNA Disorazole DMSO Run3	NM_0571 80	VPS29	vacuolar protein sorting 29 (yeast)	0.604206	Inlier
siRNA Disorazole DMSO Run1	NM_0571 80	VPS29	vacuolar protein sorting 29 (yeast)	0.744794	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0571 80	VPS29	vacuolar protein sorting 29 (yeast)	1.112656	Inlier
siRNA Disorazole DMSO Run2	NM_0033 84	VRK1	vaccinia related kinase 1	-2.882574	Inlier
siRNA Disorazole DMSO Run3	NM_0033 84	VRK1	vaccinia related kinase 1	-1.326224	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0033 84	VRK1	vaccinia related kinase 1	-0.398135	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0033 84	VRK1	vaccinia related kinase 1	-0.363616	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0033 84	VRK1	vaccinia related kinase 1	0.363616	Inlier
siRNA Disorazole DMSO Run1	NM_0033 84	VRK1	vaccinia related kinase 1	0.488039	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology					
siRNA-Vinblastine Run1-DMSO	NM_0033 84	VRK1	vaccinia related kinase 1	0.860961	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0033 84	VRK1	vaccinia related kinase 1	1.255361	Inlier
siRNA Disorazole DMSO Run2	NM_0062 96	VRK2	vaccinia related kinase 2	-2.890155	Inlier
siRNA Disorazole DMSO Run3	NM_0062 96	VRK2	vaccinia related kinase 2	-1.125524	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0062 96	VRK2	vaccinia related kinase 2	-0.641639	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0062 96	VRK2	vaccinia related kinase 2	-0.263401	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0062 96	VRK2	vaccinia related kinase 2	0.263401	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0062 96	VRK2	vaccinia related kinase 2	0.481439	Inlier
siRNA Disorazole DMSO Run1	NM_0062 96	VRK2	vaccinia related kinase 2	0.707361	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0062 96	VRK2	vaccinia related kinase 2	1.192492	Inlier
siRNA Disorazole DMSO Run2	NM_0164 40	VRK3	vaccinia related kinase 3	-0.997856	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0164 40	VRK3	vaccinia related kinase 3	-0.98853	Inlier
siRNA Disorazole DMSO Run3	NM_0164 40	VRK3	vaccinia related kinase 3	-0.75447	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0164 40	VRK3	vaccinia related kinase 3	-0.022717	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0164 40	VRK3	vaccinia related kinase 3	0.022717	Inlier
siRNA Disorazole DMSO Run1	NM_0164 40	VRK3	vaccinia related kinase 3	0.318824	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0164 40	VRK3	vaccinia related kinase 3	0.59453	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology						
siRNA-Vinblastine Run2-DMSO	NM_0164 40	VRK3	vaccinia related kinase 3	0.812667	Inlier	
siRNA-Temozolomide Run3-DMSO	NM_0005 52	VWF	Willebrand factor	-0.800429	Inlier	
siRNA-Temozolomide Run2-DMSO	NM_0005 52	VWF	Willebrand factor	-0.608524	Inlier	
siRNA-Temozolomide Run1-DMSO	NM_0005 52	VWF	Willebrand factor	-0.590675	Inlier	
siRNA Disorazole DMSO Run1	NM_0005 52	VWF	Willebrand factor	-0.363886	Inlier	
siRNA Disorazole DMSO Run2	NM_0005 52	VWF	Willebrand factor	0.363887	Inlier	
siRNA-Vinblastine Run2-DMSO	NM_0005 52	VWF	Willebrand factor	0.740476	Inlier	
siRNA Disorazole DMSO Run3	NM_0005 52	VWF	Willebrand factor	0.831614	Inlier	
siRNA-Vinblastine Run1-DMSO	NM_0005 52	VWF	Willebrand factor	1.586127	Inlier	
siRNA-Temozolomide Run2-DMSO	NM_1737 01	WARS	tryptophan yl-tRNA synthetase	-1.2359	Inlier	
siRNA-Temozolomide Run3-DMSO	NM_1737 01	WARS	tryptophan yl-tRNA synthetase	-0.522477	Inlier	
siRNA Disorazole DMSO Run3	NM_1737 01	WARS	tryptophan yl-tRNA synthetase	-0.249255	Inlier	
siRNA-Vinblastine Run2-DMSO	NM_1737 01	WARS	tryptophan yl-tRNA synthetase	-0.189267	Inlier	
siRNA Disorazole DMSO Run1	NM_1737 01	WARS	tryptophan yl-tRNA synthetase	0.189267	Inlier	
siRNA-Temozolomide Run1-DMSO	NM_1737 01	WARS	tryptophan yl-tRNA synthetase	0.826523	Inlier	

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_1737 01	WARS	tryptophan yl-tRNA synthetase	1.248044	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1737 01	WARS	tryptophan yl-tRNA synthetase	1.816424	Inlier
siRNA-Temozolomide Run2- DMSO	NM_2012 63	WARS2	tryptophan yl tRNA synthetase 2 (mitochon drial)	-1.652215	Inlier
siRNA Disorazole DMSO Run3	NM_2012 63	WARS2	tryptophan yl tRNA synthetase 2 (mitochon drial)	-0.718755	Inlier
siRNA-Temozolomide Run1- DMSO	NM_2012 63	WARS2	tryptophan yl tRNA synthetase 2 (mitochon drial)	-0.422672	Inlier
siRNA-Vinblastine Run2- DMSO	NM_2012 63	WARS2	tryptophan yl tRNA synthetase 2 (mitochon drial)	-0.009231	Inlier
siRNA Disorazole DMSO Run1	NM_2012 63	WARS2	tryptophan yl tRNA synthetase 2 (mitochon drial)	0.009231	Inlier
siRNA-Temozolomide Run3- DMSO	NM_2012 63	WARS2	tryptophan yl tRNA synthetase 2 (mitochon drial)	0.630245	Inlier
siRNA Disorazole DMSO Run2	NM_2012 63	WARS2	tryptophan yl tRNA synthetase 2 (mitochon drial)	1.378647	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_201263	WARS2	tryptophanyl tRNA synthetase 2 (mitochondrial)	2.323497	Inlier
siRNA-Vinblastine Run2-DMSO	NM_148916	WBSCR21	abhydrolase domain containing 11	-0.701941	Inlier
siRNA Disorazole DMSO Run3	NM_148916	WBSCR21	abhydrolase domain containing 11	-0.647059	Inlier
siRNA-Temozolomide Run3-DMSO	NM_148916	WBSCR21	abhydrolase domain containing 11	-0.473766	Inlier
siRNA-Temozolomide Run1-DMSO	NM_148916	WBSCR21	abhydrolase domain containing 11	-0.189981	Inlier
siRNA-Temozolomide Run2-DMSO	NM_148916	WBSCR21	abhydrolase domain containing 11	0.189982	Inlier
siRNA-Vinblastine Run1-DMSO	NM_148916	WBSCR21	abhydrolase domain containing 11	0.710916	Inlier
siRNA Disorazole DMSO Run1	NM_148916	WBSCR21	abhydrolase domain containing 11	1.245262	Inlier
siRNA Disorazole DMSO Run2	NM_148916	WBSCR21	abhydrolase domain containing 11	1.631068	Inlier
siRNA-Temozolomide Run2-DMSO	NM_017528	WBSCR22	Williams Beuren syndrome chromosome region 22	-1.213849	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0175 28	WBSCR2 2	Williams Beuren syndrome chromoso me region 22	-0.827152	Inlier
siRNA Disorazole DMSO Run1	NM_0175 28	WBSCR2 2	Williams Beuren syndrome chromoso me region 22	-0.521848	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0175 28	WBSCR2 2	Williams Beuren syndrome chromoso me region 22	-0.236392	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0175 28	WBSCR2 2	Williams Beuren syndrome chromoso me region 22	0.236392	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0175 28	WBSCR2 2	Williams Beuren syndrome chromoso me region 22	0.315993	Inlier
siRNA Disorazole DMSO Run2	NM_0175 28	WBSCR2 2	Williams Beuren syndrome chromoso me region 22	2.386841	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0175 28	WBSCR2 2	Williams Beuren syndrome chromoso me region 22	2.787901	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0010 12361	WDR31	WD repeat domain 31	-2.949175	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0010 12361	WDR31	WD repeat domain 31	-1.454671	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0010 12361	WDR31	WD repeat domain 31	-0.355607	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 12361	WDR31	WD repeat domain 31	-0.290116	Inlier
siRNA Disorazole DMSO Run1	NM_0010 12361	WDR31	WD repeat domain 31	0.290116	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 12361	WDR31	WD repeat domain 31	0.572732	Inlier
siRNA Disorazole DMSO Run3	NM_0010 12361	WDR31	WD repeat domain 31	0.776268	Inlier
siRNA Disorazole DMSO Run2	NM_0010 12361	WDR31	WD repeat domain 31	1.742298	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0033 90	WEE1	WEE1 homolog (S. pombe)	-0.987186	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0033 90	WEE1	WEE1 homolog (S. pombe)	-0.811335	Inlier
siRNA Disorazole DMSO Run2	NM_0033 90	WEE1	WEE1 homolog (S. pombe)	-0.502239	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0033 90	WEE1	WEE1 homolog (S. pombe)	-0.188543	Inlier
siRNA Disorazole DMSO Run1	NM_0033 90	WEE1	WEE1 homolog (S. pombe)	0.188543	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0033 90	WEE1	WEE1 homolog (S. pombe)	0.537665	Inlier
siRNA Disorazole DMSO Run3	NM_0033 90	WEE1	WEE1 homolog (S. pombe)	0.903757	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0033 90	WEE1	WEE1 homolog (S. pombe)	1.078101	Inlier
siRNA Disorazole DMSO Run3	NM_0005 53	WRN	Werner syndrome	-0.946975	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0005 53	WRN	Werner syndrome	-0.803917	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0005 53	WRN	Werner syndrome	-0.545083	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0005 53	WRN	Werner syndrome	-0.242044	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0005 53	WRN	Werner syndrome	0.242044	Inlier
siRNA Disorazole DMSO Run1	NM_0005 53	WRN	Werner syndrome	0.323606	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0005 53	WRN	Werner syndrome	1.022365	Inlier
siRNA Disorazole DMSO Run2	NM_0005 53	WRN	Werner syndrome	1.381063	Inlier
siRNA-Temozolomide Run2-DMSO	NM_1303 95	WRNIP1	Werner helicase interacting protein 1	-0.69876	Inlier
siRNA-Temozolomide Run3-DMSO	NM_1303 95	WRNIP1	Werner helicase interacting protein 1	-0.65024	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1303 95	WRNIP1	Werner helicase interacting protein 1	-0.150354	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1303 95	WRNIP1	Werner helicase interacting protein 1	-0.018758	Inlier
siRNA Disorazole DMSO Run3	NM_1303 95	WRNIP1	Werner helicase interacting protein 1	0.018758	Inlier
siRNA Disorazole DMSO Run1	NM_1303 95	WRNIP1	Werner helicase interacting protein 1	1.092368	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_1303 95	WRNIP1	Werner helicase interacting protein 1	1.766471	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1303 95	WRNIP1	Werner helicase interacting protein 1	1.954164	Inlier
siRNA-Temozolomide Run1- DMSO	NM_1307 92	WWOX	WW domain containing oxidoredu ctase	-0.880782	Inlier
siRNA Disorazole DMSO Run1	NM_1307 92	WWOX	WW domain containing oxidoredu ctase	-0.468218	Inlier
siRNA-Temozolomide Run3- DMSO	NM_1307 92	WWOX	WW domain containing oxidoredu ctase	-0.393137	Inlier
siRNA-Temozolomide Run2- DMSO	NM_1307 92	WWOX	WW domain containing oxidoredu ctase	-0.365196	Inlier
siRNA-Vinblastine Run2- DMSO	NM_1307 92	WWOX	WW domain containing oxidoredu ctase	0.365196	Inlier
siRNA Disorazole DMSO Run2	NM_1307 92	WWOX	WW domain containing oxidoredu ctase	1.710444	Inlier
siRNA Disorazole DMSO Run3	NM_1307 92	WWOX	WW domain containing oxidoredu ctase	1.794775	Inlier
siRNA-Vinblastine Run1- DMSO	NM_1307 92	WWOX	WW domain containing oxidoredu ctase	2.088335	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0010 24644	XCR1	chemokine (C motif) receptor 1	-1.062549	Inlier
siRNA Disorazole DMSO Run2	NM_0010 24644	XCR1	chemokine (C motif) receptor 1	-0.998182	Inlier
siRNA Disorazole DMSO Run3	NM_0010 24644	XCR1	chemokine (C motif) receptor 1	-0.559121	Inlier
siRNA Disorazole DMSO Run1	NM_0010 24644	XCR1	chemokine (C motif) receptor 1	-0.065928	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0010 24644	XCR1	chemokine (C motif) receptor 1	0.065928	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0010 24644	XCR1	chemokine (C motif) receptor 1	0.231844	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0010 24644	XCR1	chemokine (C motif) receptor 1	0.789879	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0010 24644	XCR1	chemokine (C motif) receptor 1	1.04186	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0003 79	XDH	xanthine dehydroge nase	-0.880714	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0003 79	XDH	xanthine dehydroge nase	-0.859675	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0003 79	XDH	xanthine dehydroge nase	-0.648876	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0003 79	XDH	xanthine dehydroge nase	-0.199358	Inlier
siRNA Disorazole DMSO Run3	NM_0003 79	XDH	xanthine dehydroge nase	0.199358	Inlier
siRNA Disorazole DMSO Run1	NM_0003 79	XDH	xanthine dehydroge nase	0.313145	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	Protein Name	Score	Category
siRNA-Vinblastine Run2-DMSO	NM_021083	XK	Kell blood group precursor (McLeod phenotype)	1.043212	Inlier
siRNA-Temozolomide Run3-DMSO	NM_020383	XPNPEP1	X-prolyl aminopeptidase (aminopeptidase P) 1, soluble	-2.712686	Inlier
siRNA-Temozolomide Run2-DMSO	NM_020383	XPNPEP1	X-prolyl aminopeptidase (aminopeptidase P) 1, soluble	-1.987557	Inlier
siRNA Disorazole DMSO Run2	NM_020383	XPNPEP1	X-prolyl aminopeptidase (aminopeptidase P) 1, soluble	-0.552896	Inlier
siRNA Disorazole DMSO Run3	NM_020383	XPNPEP1	X-prolyl aminopeptidase (aminopeptidase P) 1, soluble	-0.22326	Inlier
siRNA-Temozolomide Run1-DMSO	NM_020383	XPNPEP1	X-prolyl aminopeptidase (aminopeptidase P) 1, soluble	0.223261	Inlier
siRNA Disorazole DMSO Run1	NM_020383	XPNPEP1	X-prolyl aminopeptidase (aminopeptidase P) 1, soluble	0.469073	Inlier
siRNA-Vinblastine Run2-DMSO	NM_020383	XPNPEP1	X-prolyl aminopeptidase (aminopeptidase P) 1, soluble	0.796104	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S.

Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_020383	XPNPEP1	X-prolyl aminopeptidase (aminopeptidase P) 1, soluble	1.96419	Inlier
siRNA-Temozolomide Run2-DMSO	NM_003399	XPNPEP2	X-prolyl aminopeptidase (aminopeptidase P) 2, membrane-bound	-1.446049	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003399	XPNPEP2	X-prolyl aminopeptidase (aminopeptidase P) 2, membrane-bound	-1.334079	Inlier
siRNA Disorazole DMSO Run3	NM_003399	XPNPEP2	X-prolyl aminopeptidase (aminopeptidase P) 2, membrane-bound	-0.519965	Inlier
siRNA Disorazole DMSO Run2	NM_003399	XPNPEP2	X-prolyl aminopeptidase (aminopeptidase P) 2, membrane-bound	-0.177792	Inlier
siRNA Disorazole DMSO Run1	NM_003399	XPNPEP2	X-prolyl aminopeptidase (aminopeptidase P) 2, membrane-bound	0.177791	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			X-prolyl aminopeptidase (aminopeptidase P) 2, membrane-bound	
siRNA-Temozolomide Run1-DMSO	NM_003399	XPNPEP2	X-prolyl aminopeptidase (aminopeptidase P) 2, membrane-bound	0.415019 Inlier
siRNA-Vinblastine Run1-DMSO	NM_003399	XPNPEP2	X-prolyl aminopeptidase (aminopeptidase P) 2, membrane-bound	0.829035 Inlier
siRNA-Vinblastine Run2-DMSO	NM_003399	XPNPEP2	X-prolyl aminopeptidase (aminopeptidase P) 2, membrane-bound	1.347522 Inlier
siRNA-Temozolomide Run3-DMSO	NM_003400	XPO1	exportin 1 (CRM1 homolog, yeast)	-1.693311 Inlier
siRNA-Temozolomide Run2-DMSO	NM_003400	XPO1	exportin 1 (CRM1 homolog, yeast)	-0.880649 Inlier
siRNA-Temozolomide Run1-DMSO	NM_003400	XPO1	exportin 1 (CRM1 homolog, yeast)	-0.14209 Inlier
siRNA Disorazole DMSO Run3	NM_003400	XPO1	exportin 1 (CRM1 homolog, yeast)	-0.102143 Inlier
siRNA Disorazole DMSO Run1	NM_003400	XPO1	exportin 1 (CRM1 homolog, yeast)	0.102143 Inlier
siRNA-Vinblastine Run2-DMSO	NM_003400	XPO1	exportin 1 (CRM1 homolog, yeast)	0.468351 Inlier
siRNA Disorazole DMSO Run2	NM_003400	XPO1	exportin 1 (CRM1 homolog, yeast)	2.391503 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_003400	XPO1	exportin 1 (CRM1 homolog, yeast)	3.116369	Inlier
siRNA-Temozolomide Run3-DMSO	NM_007235	XPOT	exportin, tRNA (nuclear export receptor for tRNAs)	-1.593769	Inlier
siRNA-Temozolomide Run2-DMSO	NM_007235	XPOT	exportin, tRNA (nuclear export receptor for tRNAs)	-1.280382	Inlier
siRNA-Temozolomide Run1-DMSO	NM_007235	XPOT	exportin, tRNA (nuclear export receptor for tRNAs)	-0.328396	Inlier
siRNA Disorazole DMSO Run3	NM_007235	XPOT	exportin, tRNA (nuclear export receptor for tRNAs)	-0.102802	Inlier
siRNA Disorazole DMSO Run1	NM_007235	XPOT	exportin, tRNA (nuclear export receptor for tRNAs)	0.102802	Inlier
siRNA-Vinblastine Run2-DMSO	NM_007235	XPOT	exportin, tRNA (nuclear export receptor for tRNAs)	0.153057	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0072 35	XPOT	exportin, tRNA (nuclear export receptor for tRNAs)	1.020604	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0072 35	XPOT	exportin, tRNA (nuclear export receptor for tRNAs)	1.477668	Inlier
siRNA Disorazole DMSO Run2	NM_0047 36	XPR1	xenotropic and polytropic retrovirus receptor	-0.96034	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0047 36	XPR1	xenotropic and polytropic retrovirus receptor	-0.884568	Inlier
siRNA Disorazole DMSO Run3	NM_0047 36	XPR1	xenotropic and polytropic retrovirus receptor	-0.676567	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0047 36	XPR1	xenotropic and polytropic retrovirus receptor	-0.06327	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0047 36	XPR1	xenotropic and polytropic retrovirus receptor	0.06327	Inlier
siRNA Disorazole DMSO Run1	NM_0047 36	XPR1	xenotropic and polytropic retrovirus receptor	0.071931	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0047 36	XPR1	xenotropic and polytropic retrovirus receptor	0.672433	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0047 36	XPR1	xenotropic and polytropic retrovirus receptor 5-3	0.724482	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0122 55	XRN2	exoribonuclease 2 5-3	-0.912875	Inlier
siRNA Disorazole DMSO Run3	NM_0122 55	XRN2	exoribonuclease 2 5-3	-0.780827	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0122 55	XRN2	exoribonuclease 2 5-3	-0.568173	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0122 55	XRN2	exoribonuclease 2 5-3	-0.191713	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0122 55	XRN2	exoribonuclease 2 5-3	0.191713	Inlier
siRNA Disorazole DMSO Run1	NM_0122 55	XRN2	exoribonuclease 2 5-3	0.300397	Inlier
siRNA Disorazole DMSO Run2	NM_0122 55	XRN2	exoribonuclease 2 5-3	3.543059	Outlier
siRNA-Vinblastine Run1-DMSO	NM_0122 55	XRN2	exoribonuclease 2	3.875112	Outlier
siRNA Disorazole DMSO Run2	NM_0051 08	XYLB	xylulokinase homolog (H. influenzae)	-1.307813	Inlier
siRNA Disorazole DMSO Run1	NM_0051 08	XYLB	xylulokinase homolog (H. influenzae)	-1.193517	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0051 08	XYLB	xylulokinase homolog (H. influenzae)	-0.137064	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_005108	XYLB	xylulokinas e homolog (H. influenzae)	-0.134004	Inlier
siRNA-Temozolomide Run1-DMSO	NM_005108	XYLB	xylulokinas e homolog (H. influenzae)	0.134003	Inlier
siRNA-Vinblastine Run2-DMSO	NM_005108	XYLB	xylulokinas e homolog (H. influenzae)	0.283115	Inlier
siRNA-Vinblastine Run1-DMSO	NM_005108	XYLB	xylulokinas e homolog (H. influenzae)	1.065885	Inlier
siRNA Disorazole DMSO Run3	NM_005108	XYLB	xylulokinas e homolog (H. influenzae)	2.025608	Inlier
siRNA-Temozolomide Run2-DMSO	NM_022166	XYLT1	xylosyltran sferase I	-1.390797	Inlier
siRNA-Temozolomide Run1-DMSO	NM_022166	XYLT1	xylosyltran sferase I	-1.20622	Inlier
siRNA-Temozolomide Run3-DMSO	NM_022166	XYLT1	xylosyltran sferase I	-0.504819	Inlier
siRNA Disorazole DMSO Run1	NM_022166	XYLT1	xylosyltran sferase I	-0.186418	Inlier
siRNA-Vinblastine Run2-DMSO	NM_022166	XYLT1	xylosyltran sferase I	0.186418	Inlier
siRNA Disorazole DMSO Run3	NM_022166	XYLT1	xylosyltran sferase I	0.301943	Inlier
siRNA Disorazole DMSO Run2	NM_022166	XYLT1	xylosyltran sferase I	0.844181	Inlier
siRNA-Vinblastine Run1-DMSO	NM_022166	XYLT1	xylosyltran sferase I	1.405896	Inlier
siRNA Disorazole DMSO Run1	NM_022167	XYLT2	xylosyltran sferase II	-0.86441	Inlier
siRNA-Temozolomide Run2-DMSO	NM_022167	XYLT2	xylosyltran sferase II	-0.567689	Inlier
siRNA-Temozolomide Run1-DMSO	NM_022167	XYLT2	xylosyltran sferase II	-0.142775	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

siRNA-Vinblastine Run2- DMSO	NM_0221 67	XYLT2	xylosyltran sferase II	-0.05727	Inlier
siRNA Disorazole DMSO Run3	NM_0221 67	XYLT2	xylosyltran sferase II	0.05727	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0221 67	XYLT2	xylosyltran sferase II	0.781311	Inlier
siRNA Disorazole DMSO Run2	NM_0221 67	XYLT2	xylosyltran sferase II	2.036694	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0221 67	XYLT2	xylosyltran sferase II	2.361326	Inlier
siRNA Disorazole DMSO Run1	NM_0036 80	YARS	tyrosyl- tRNA synthetase	-0.968274	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0036 80	YARS	tyrosyl- tRNA synthetase	-0.761891	Inlier
siRNA Disorazole DMSO Run3	NM_0036 80	YARS	tyrosyl- tRNA synthetase	-0.587109	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0036 80	YARS	tyrosyl- tRNA synthetase	-0.063497	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0036 80	YARS	tyrosyl- tRNA synthetase	0.063496	Inlier
siRNA Disorazole DMSO Run2	NM_0036 80	YARS	tyrosyl- tRNA synthetase	0.269703	Inlier
siRNA-Vinblastine Run1- DMSO	NM_0036 80	YARS	tyrosyl- tRNA synthetase	0.777513	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0036 80	YARS	tyrosyl- tRNA synthetase	1.050019	Inlier
siRNA Disorazole DMSO Run2	NM_0054 33	YES1	v-yes-1 Yamaguch i sarcoma viral oncogene homolog 1	-2.151146	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0054 33	YES1	v-yes-1 Yamaguchi sarcoma viral oncogene homolog 1	-1.322844	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0054 33	YES1	v-yes-1 Yamaguchi sarcoma viral oncogene homolog 1	-0.8204	Inlier
siRNA Disorazole DMSO Run3	NM_0054 33	YES1	v-yes-1 Yamaguchi sarcoma viral oncogene homolog 1	-0.201143	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0054 33	YES1	v-yes-1 Yamaguchi sarcoma viral oncogene homolog 1	0.201143	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0054 33	YES1	v-yes-1 Yamaguchi sarcoma viral oncogene homolog 1	0.278552	Inlier
siRNA Disorazole DMSO Run1	NM_0054 33	YES1	v-yes-1 Yamaguchi sarcoma viral oncogene homolog 1	0.5286	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_005433	YES1	v-yes-1 Yamaguchi sarcoma viral oncogene homolog 1	2.402271	Inlier
siRNA-Temozolomide Run3-DMSO	NM_139313	YME1L1	YME1-like 1 (S. cerevisiae)	-1.116883	Inlier
siRNA-Temozolomide Run2-DMSO	NM_139313	YME1L1	YME1-like 1 (S. cerevisiae)	-0.732428	Inlier
siRNA Disorazole DMSO Run3	NM_139313	YME1L1	YME1-like 1 (S. cerevisiae)	-0.46083	Inlier
siRNA Disorazole DMSO Run2	NM_139313	YME1L1	YME1-like 1 (S. cerevisiae)	-0.160272	Inlier
siRNA-Temozolomide Run1-DMSO	NM_139313	YME1L1	YME1-like 1 (S. cerevisiae)	0.160272	Inlier
siRNA Disorazole DMSO Run1	NM_139313	YME1L1	YME1-like 1 (S. cerevisiae)	0.616572	Inlier
siRNA-Vinblastine Run1-DMSO	NM_139313	YME1L1	YME1-like 1 (S. cerevisiae)	2.583604	Inlier
siRNA-Vinblastine Run2-DMSO	NM_139313	YME1L1	YME1-like 1 (S. cerevisiae)	2.767903	Inlier
siRNA-Temozolomide Run3-DMSO	NM_139323	YWHAB	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, beta polypeptide	-0.973202	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_1393 23	YWHAB	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, beta polypeptide	-0.805928	Inlier
siRNA-Temozolomide Run1-DMSO	NM_1393 23	YWHAB	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, beta polypeptide	-0.457968	Inlier
siRNA Disorazole DMSO Run3	NM_1393 23	YWHAB	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, beta polypeptide	-0.047032	Inlier
siRNA Disorazole DMSO Run1	NM_1393 23	YWHAB	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, beta polypeptide	0.047033	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_1393 23	YWHAB	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, beta polypeptide	0.543072	Inlier
siRNA Disorazole DMSO Run2	NM_1393 23	YWHAB	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, beta polypeptide	0.959228	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1393 23	YWHAB	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, beta polypeptide	1.023487	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0067 61	YWHAE	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, epsilon polypeptide	-2.059705	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_006761	YWHAE	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, epsilon polypeptide	-0.686438	Inlier
siRNA Disorazole DMSO Run1	NM_006761	YWHAE	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, epsilon polypeptide	-0.662562	Inlier
siRNA-Temozolomide Run1-DMSO	NM_006761	YWHAE	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, epsilon polypeptide	-0.150569	Inlier
siRNA-Temozolomide Run3-DMSO	NM_006761	YWHAE	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, epsilon polypeptide	0.150569	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0067 61	YWHAE	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, epsilon polypeptide	0.224953	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0067 61	YWHAE	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, epsilon polypeptide	2.203224	Inlier
siRNA Disorazole DMSO Run2	NM_0067 61	YWHAE	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, epsilon polypeptide	2.416732	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0124 79	YWHAG	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, gamma polypeptide	-0.729405	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_012479	YWHAG	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, gamma polypeptide	-0.619595	Inlier
siRNA Disorazole DMSO Run1	NM_012479	YWHAG	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, gamma polypeptide	-0.593327	Inlier
siRNA-Temozolomide Run1-DMSO	NM_012479	YWHAG	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, gamma polypeptide	-0.227672	Inlier
siRNA-Temozolomide Run3-DMSO	NM_012479	YWHAG	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, gamma polypeptide	0.227672	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0124 79	YWHAG	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, gamma polypeptide	0.951953	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0124 79	YWHAG	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, gamma polypeptide	1.19684	Inlier
siRNA Disorazole DMSO Run3	NM_0124 79	YWHAG	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, gamma polypeptide	1.257608	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0034 05	YWHAG	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, eta polypeptide	-1.019383	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_003405	YWHAH	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, eta polypeptide	-0.953799	Inlier
siRNA Disorazole DMSO Run3	NM_003405	YWHAH	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, eta polypeptide	-0.250201	Inlier
siRNA Disorazole DMSO Run1	NM_003405	YWHAH	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, eta polypeptide	-0.141799	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003405	YWHAH	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, eta polypeptide	0.141799	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_003405	YWHAH	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, eta polypeptide	0.395201	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003405	YWHAH	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, eta polypeptide	1.382863	Inlier
siRNA Disorazole DMSO Run2	NM_003405	YWHAH	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, eta polypeptide	1.424548	Inlier
siRNA-Vinblastine Run2-DMSO	NM_006826	YWHAQ	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, theta polypeptide	-1.782513	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run1	NM_0068 26	YWHAQ	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, theta polypeptide	-0.760512	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0068 26	YWHAQ	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, theta polypeptide	-0.588488	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0068 26	YWHAQ	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, theta polypeptide	-0.194303	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0068 26	YWHAQ	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, theta polypeptide	0.194303	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0068 26	YWHAQ	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, theta polypeptide	0.409167	Inlier
siRNA Disorazole DMSO Run2	NM_0068 26	YWHAQ	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, theta polypeptide	1.515907	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0068 26	YWHAQ	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, theta polypeptide	1.990311	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0034 06	YWHAZ	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide	-1.057333	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_003406	YWHAZ	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide	-0.33288	Inlier
siRNA-Temozolomide Run1-DMSO	NM_003406	YWHAZ	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide	-0.307595	Inlier
siRNA Disorazole DMSO Run1	NM_003406	YWHAZ	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide	-0.012425	Inlier
siRNA-Temozolomide Run3-DMSO	NM_003406	YWHAZ	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide	0.012425	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_003406	YWHAZ	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide	1.01612	Inlier
siRNA-Vinblastine Run1-DMSO	NM_003406	YWHAZ	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide	1.060076	Inlier
siRNA Disorazole DMSO Run2	NM_003406	YWHAZ	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide	1.351478	Inlier
siRNA-Temozolomide Run3-DMSO	NM_020205	ZA20D1	zinc finger, A20 domain containing 1	-1.088095	Inlier
siRNA-Temozolomide Run1-DMSO	NM_020205	ZA20D1	zinc finger, A20 domain containing 1	-0.60021	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run2-DMSO	NM_020205	ZA20D1	zinc finger, A20 domain containing 1	-0.532391	Inlier
siRNA Disorazole DMSO Run1	NM_020205	ZA20D1	zinc finger, A20 domain containing 1	-0.266212	Inlier
siRNA Disorazole DMSO Run3	NM_020205	ZA20D1	zinc finger, A20 domain containing 1	0.266212	Inlier
siRNA Disorazole DMSO Run2	NM_020205	ZA20D1	zinc finger, A20 domain containing 1	0.74879	Inlier
siRNA-Vinblastine Run1-DMSO	NM_020205	ZA20D1	zinc finger, A20 domain containing 1	0.922192	Inlier
siRNA-Vinblastine Run2-DMSO	NM_020205	ZA20D1	zinc finger, A20 domain containing 1	1.238234	Inlier
siRNA-Temozolomide Run2-DMSO	NM_152444	ZADH1	zinc binding alcohol dehydrogenase, domain containing 1	-1.283318	Inlier
siRNA-Temozolomide Run3-DMSO	NM_152444	ZADH1	zinc binding alcohol dehydrogenase, domain containing 1	-0.968834	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA-Temozolomide Run1-DMSO	NM_1524 44	ZADH1	zinc binding alcohol dehydroge nase, domain containing 1	-0.414077	Inlier
siRNA-Vinblastine Run2-DMSO	NM_1524 44	ZADH1	zinc binding alcohol dehydroge nase, domain containing 1	-0.133483	Inlier
siRNA Disorazole DMSO Run3	NM_1524 44	ZADH1	zinc binding alcohol dehydroge nase, domain containing 1	0.133483	Inlier
siRNA Disorazole DMSO Run1	NM_1524 44	ZADH1	zinc binding alcohol dehydroge nase, domain containing 1	0.252655	Inlier
siRNA Disorazole DMSO Run2	NM_1524 44	ZADH1	zinc binding alcohol dehydroge nase, domain containing 1	0.934923	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1524 44	ZADH1	zinc binding alcohol dehydroge nase, domain containing 1	1.019216	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Treatment	Gene ID	Gene Name	zinc binding alcohol dehydrogenase, domain containing 2	Value	Category
siRNA-Temozolomide Run1-DMSO	NM_175907	ZADH2	zinc binding alcohol dehydrogenase, domain containing 2	-0.853119	Inlier
siRNA Disorazole DMSO Run1	NM_175907	ZADH2	zinc binding alcohol dehydrogenase, domain containing 2	-0.531633	Inlier
siRNA-Temozolomide Run3-DMSO	NM_175907	ZADH2	zinc binding alcohol dehydrogenase, domain containing 2	-0.40826	Inlier
siRNA-Temozolomide Run2-DMSO	NM_175907	ZADH2	zinc binding alcohol dehydrogenase, domain containing 2	-0.391618	Inlier
siRNA Disorazole DMSO Run3	NM_175907	ZADH2	zinc binding alcohol dehydrogenase, domain containing 2	0.391618	Inlier
siRNA-Vinblastine Run2-DMSO	NM_175907	ZADH2	zinc binding alcohol dehydrogenase, domain containing 2	0.817367	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA	Gene	Run	Condition	Gene	Gene	Value	Outlier
siRNA Disorazole DMSO Run2	NM_1759	07	ZADH2	ZADH2	zinc binding alcohol dehydrogenase, domain containing 2	2.570592	Inlier
siRNA-Vinblastine Run1-DMSO	NM_1759	07	ZADH2	ZADH2	zinc binding alcohol dehydrogenase, domain containing 2	3.253235	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0166	53	ZAK	ZAK	ZAK	-2.231575	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0166	53	ZAK	ZAK	ZAK	-0.888787	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0166	53	ZAK	ZAK	ZAK	-0.460213	Inlier
siRNA Disorazole DMSO Run2	NM_0166	53	ZAK	ZAK	ZAK	-0.251019	Inlier
siRNA Disorazole DMSO Run3	NM_0166	53	ZAK	ZAK	ZAK	0.251019	Inlier
siRNA Disorazole DMSO Run1	NM_0166	53	ZAK	ZAK	ZAK	0.352445	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0166	53	ZAK	ZAK	ZAK	1.230028	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0166	53	ZAK	ZAK	ZAK	1.389889	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0068	21	ZAP128	ZAP128	ZAP128	-0.91972	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0068	21	ZAP128	ZAP128	ZAP128	-0.42928	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0068	21	ZAP128	ZAP128	ZAP128	-0.295547	Inlier
siRNA Disorazole DMSO Run3	NM_0068	21	ZAP128	ZAP128	ZAP128	-0.134602	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0068	21	ZAP128	ZAP128	ZAP128	0.134602	Inlier
siRNA Disorazole DMSO Run1	NM_0068	21	ZAP128	ZAP128	ZAP128	2.727582	Inlier
siRNA Disorazole DMSO Run2	NM_0068	21	ZAP128	ZAP128	ZAP128	14.20984	Outlier
siRNA-Vinblastine Run1-DMSO	NM_0068	21	ZAP128	ZAP128	ZAP128	15.18488	Outlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_001079	ZAP70	zeta-chain (TCR) associated protein kinase 70kDa	-0.995664	Inlier
siRNA-Vinblastine Run1-DMSO	NM_001079	ZAP70	zeta-chain (TCR) associated protein kinase 70kDa	-0.587795	Inlier
siRNA-Temozolomide Run1-DMSO	NM_001079	ZAP70	zeta-chain (TCR) associated protein kinase 70kDa	-0.347574	Inlier
siRNA-Temozolomide Run2-DMSO	NM_001079	ZAP70	zeta-chain (TCR) associated protein kinase 70kDa	-0.289042	Inlier
siRNA Disorazole DMSO Run1	NM_001079	ZAP70	zeta-chain (TCR) associated protein kinase 70kDa	0.289043	Inlier
siRNA Disorazole DMSO Run2	NM_001079	ZAP70	zeta-chain (TCR) associated protein kinase 70kDa	0.761205	Inlier
siRNA-Vinblastine Run2-DMSO	NM_001079	ZAP70	zeta-chain (TCR) associated protein kinase 70kDa	1.212256	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA Disorazole DMSO Run3	NM_0010 79	ZAP70	zeta-chain (TCR) associated protein kinase 70kDa	1.804715	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0246 57	ZCWCC2	zinc finger, CW type with coiled- coil domain 2	-1.131475	Inlier
siRNA-Temozolomide Run3- DMSO	NM_0246 57	ZCWCC2	zinc finger, CW type with coiled- coil domain 2	-0.955684	Inlier
siRNA-Temozolomide Run1- DMSO	NM_0246 57	ZCWCC2	zinc finger, CW type with coiled- coil domain 2	-0.086086	Inlier
siRNA-Vinblastine Run2- DMSO	NM_0246 57	ZCWCC2	zinc finger, CW type with coiled- coil domain 2	-0.065463	Inlier
siRNA Disorazole DMSO Run1	NM_0246 57	ZCWCC2	zinc finger, CW type with coiled- coil domain 2	0.065463	Inlier
siRNA Disorazole DMSO Run3	NM_0246 57	ZCWCC2	zinc finger, CW type with coiled- coil domain 2	0.393316	Inlier
siRNA Disorazole DMSO Run2	NM_0246 57	ZCWCC2	zinc finger, CW type with coiled- coil domain 2	1.839445	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0246 57	ZCWCC2	zinc finger, CW type with coiled- coil domain 2	1.847092	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0165 98	ZDHHC3	zinc finger, DHHC domain containing 3	-0.802912	Inlier
siRNA Disorazole DMSO Run2	NM_0165 98	ZDHHC3	zinc finger, DHHC domain containing 3	-0.744149	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0165 98	ZDHHC3	zinc finger, DHHC domain containing 3	-0.604851	Inlier
siRNA Disorazole DMSO Run3	NM_0165 98	ZDHHC3	zinc finger, DHHC domain containing 3	-0.102031	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0165 98	ZDHHC3	zinc finger, DHHC domain containing 3	0.102031	Inlier
siRNA Disorazole DMSO Run1	NM_0165 98	ZDHHC3	zinc finger, DHHC domain containing 3	0.471602	Inlier
siRNA-Vinblastine Run1-DMSO	NM_0165 98	ZDHHC3	zinc finger, DHHC domain containing 3	1.25662	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run2-DMSO	NM_0165 98	ZDHHC3	zinc finger, DHHC domain containing 3	2.037881	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0073 23	ZFYVE9	zinc finger, FYVE domain containing 9	-1.608328	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0073 23	ZFYVE9	zinc finger, FYVE domain containing 9	-0.949639	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0073 23	ZFYVE9	zinc finger, FYVE domain containing 9	-0.114346	Inlier
siRNA Disorazole DMSO Run1	NM_0073 23	ZFYVE9	zinc finger, FYVE domain containing 9	-0.016282	Inlier
siRNA Disorazole DMSO Run3	NM_0073 23	ZFYVE9	zinc finger, FYVE domain containing 9	0.016282	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0073 23	ZFYVE9	zinc finger, FYVE domain containing 9	0.399361	Inlier
siRNA Disorazole DMSO Run2	NM_0073 23	ZFYVE9	zinc finger, FYVE domain containing 9	1.013925	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0073 23	ZFYVE9	9	zinc finger, FYVE domain containing	1.544168	Inlier
siRNA Disorazole DMSO Run2	NM_0058 57	ZMPSTE2	4	zinc metalloproteinase (STE24 homolog, yeast)	-1.498911	Inlier
siRNA Disorazole DMSO Run1	NM_0058 57	ZMPSTE2	4	zinc metalloproteinase (STE24 homolog, yeast)	-0.961259	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0058 57	ZMPSTE2	4	zinc metalloproteinase (STE24 homolog, yeast)	-0.911874	Inlier
siRNA-Temozolomide Run3-DMSO	NM_0058 57	ZMPSTE2	4	zinc metalloproteinase (STE24 homolog, yeast)	-0.017317	Inlier
siRNA Disorazole DMSO Run3	NM_0058 57	ZMPSTE2	4	zinc metalloproteinase (STE24 homolog, yeast)	0.017317	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0058 57	ZMPSTE2	4	zinc metalloproteinase (STE24 homolog, yeast)	0.220252	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0058 57	ZMPSTE2	4	zinc metalloproteinase (STE24 homolog, yeast)	0.559682	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

			zinc metalloproteinase (STE24 homolog, yeast)	
siRNA-Vinblastine Run1-DMSO	NM_0058 57	ZMPSTE2 4	zinc finger protein	0.789318 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0220 95	ZNF335	zinc finger protein	-1.216549 Inlier
siRNA Disorazole DMSO Run3	NM_0220 95	ZNF335	zinc finger protein	-0.877809 Inlier
siRNA Disorazole DMSO Run2	NM_0220 95	ZNF335	zinc finger protein	-0.471191 Inlier
siRNA Disorazole DMSO Run1	NM_0220 95	ZNF335	zinc finger protein	-0.416633 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0220 95	ZNF335	zinc finger protein	0.416633 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0220 95	ZNF335	zinc finger protein	0.424849 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0220 95	ZNF335	zinc finger protein	1.565554 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0220 95	ZNF335	zinc finger protein	1.647362 Inlier
siRNA Disorazole DMSO Run2	NM_0187 13	ZNT8	ZNT8	-1.390913 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0187 13	ZNT8	ZNT8	-1.082686 Inlier
siRNA-Temozolomide Run2-DMSO	NM_0187 13	ZNT8	ZNT8	-0.366813 Inlier
siRNA Disorazole DMSO Run3	NM_0187 13	ZNT8	ZNT8	-0.242591 Inlier
siRNA Disorazole DMSO Run1	NM_0187 13	ZNT8	ZNT8	0.242591 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0187 13	ZNT8	ZNT8	0.328884 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0187 13	ZNT8	ZNT8	0.982187 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0187 13	ZNT8	ZNT8	1.222348 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Temozolomide Run3-DMSO	NM_0175 80	ZRANB1	zinc finger, RAN- binding domain containing 1	-1.738601	Inlier
siRNA Disorazole DMSO Run3	NM_0175 80	ZRANB1	zinc finger, RAN- binding domain containing 1	-1.32957	Inlier
siRNA-Temozolomide Run2-DMSO	NM_0175 80	ZRANB1	zinc finger, RAN- binding domain containing 1	-1.295388	Inlier
siRNA-Vinblastine Run2-DMSO	NM_0175 80	ZRANB1	zinc finger, RAN- binding domain containing 1	-0.151576	Inlier
siRNA Disorazole DMSO Run1	NM_0175 80	ZRANB1	zinc finger, RAN- binding domain containing 1	0.151576	Inlier
siRNA Disorazole DMSO Run2	NM_0175 80	ZRANB1	zinc finger, RAN- binding domain containing 1	0.394473	Inlier
siRNA-Temozolomide Run1-DMSO	NM_0175 80	ZRANB1	zinc finger, RAN- binding domain containing 1	0.403592	Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening
 Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo
 Molecular Pharmacology

siRNA-Vinblastine Run1-DMSO	NM_0175 80	ZRANB1	zinc finger, RAN- binding domain containing 1	0.945408 Inlier
siRNA-Temozolomide Run3-DMSO	NM_0321 43	ZRANB3	zinc finger, RAN- binding domain containing 3	-2.472792 Inlier
siRNA Disorazole DMSO Run3	NM_0321 43	ZRANB3	zinc finger, RAN- binding domain containing 3	-0.640283 Inlier
siRNA Disorazole DMSO Run1	NM_0321 43	ZRANB3	zinc finger, RAN- binding domain containing 3	-0.577176 Inlier
siRNA-Temozolomide Run1-DMSO	NM_0321 43	ZRANB3	zinc finger, RAN- binding domain containing 3	-0.368734 Inlier
siRNA-Vinblastine Run2-DMSO	NM_0321 43	ZRANB3	zinc finger, RAN- binding domain containing 3	0.368733 Inlier
siRNA-Vinblastine Run1-DMSO	NM_0321 43	ZRANB3	zinc finger, RAN- binding domain containing 3	0.708717 Inlier

Identification of Survival Genes in Human Glioblastoma Cells Using siRNA Screening

Nikhil G Thaker, Fang Zhang, Peter R. McDonald, Tong Ying Shun, Michael D Lewen, Ian F. Pollack, and John S. Lazo

Molecular Pharmacology

siRNA Disorazole DMSO Run2	NM_0321 43	ZRANB3	zinc finger, RAN- binding domain containing 3	1.522697	Inlier
siRNA-Temozolomide Run2- DMSO	NM_0321 43	ZRANB3	zinc finger, RAN- binding domain containing 3	3.363985	Inlier