

Supplementary Table 3. Genes specifically regulated by Zol (non-significant for Fluva).

Genes Probe Set ID	Genes Symbol	Genes Title	log2	
			Zol100 vs Control (24h)	Zol vs Control (48h)
8065412	CST1	cystatin SN	2,168	1,772
7928308	DDIT4	DNA-damage-inducible transcript 4	2,066	0,349
8154100	VLDLR	very low density lipoprotein receptor	1,99	0,413
8149749	TNFRSF10D	tumor necrosis factor receptor superfamily, member 10d, decoy with truncated death domain	1,973	0,659
8006531	SLFN5	schlafen family member 5	1,692	0,183
8147145	ATP6V0D2	ATPase, H ⁺ transporting, lysosomal 38kDa, V0 subunit d2	1,689	0,71
8013660	ALDOC	aldolase C, fructose-bisphosphate	1,649	0,871
8140967	SAMD9	sterile alpha motif domain containing 9	1,611	0,66
8113709	LOX	lysyl oxidase	1,566	0,524
7934278	P4HA1	prolyl 4-hydroxylase, alpha polypeptide I	1,527	0,428
8027002	GDF15	growth differentiation factor 15	1,415	0,201
7961175	KLRC3	killer cell lectin-like receptor subfamily C, member 3	1,403	1,038
8081288	TMEM45A	transmembrane protein 45A	1,342	0,401
8012126	CLDN7	claudin 7	1,339	0,415
7993588	TMC7	transmembrane channel-like 7	1,318	0,3
8073088	APOBEC3G	apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3G	1,302	0,174
8046408	PDK1	pyruvate dehydrogenase kinase, isozyme 1	1,287	0,382
8161174	GNE	glucosamine (UDP-N-acetyl)-2-epimerase/N-acetylmannosamine kinase	1,283	0,562
7937079	BNIP3	BCL2/adenovirus E1B 19kDa interacting protein 3	1,278	0,5
8043283	KDM3A	lysine (K)-specific demethylase 3A	1,274	0,453
7923991	PLXNA2	plexin A2	1,252	0,481
8163618	TNFSF15	tumor necrosis factor (ligand) superfamily, member 15	1,249	1,254
8115490	ADAM19	ADAM metallopeptidase domain 19 (meltrin beta)	1,231	0,517
8041383	LTBP1	latent transforming growth factor beta binding protein 1	1,228	0,75
7920877	ARHGEF2	rho/rac guanine nucleotide exchange factor (GEF) 2	1,194	0,219
8065416	CST2	cystatin SA	1,177	1,153
8139656	GRB10	growth factor receptor-bound protein 10	1,173	0,141
7899955			1,165	0,453

8156571	C9orf3	chromosome 9 open reading frame 3	1,116	0,541
8058765	FN1 *	fibronectin 1	1,151	0,649
8105077	CARD6	caspase recruitment domain family, member 6	1,127	0,415
7908879	PPFIA4	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 4	1,125	0,455
8021301	RAB27B	RAB27B, member RAS oncogene family	1,113	0,272
7999642	KIAA0430	KIAA0430	1,112	0,195
8143341	JHDM1D	jumonji C domain containing histone demethylase 1 homolog D (<i>S. cerevisiae</i>)	1,097	0,072
8032410	MOBKL2A	MOB1, Mps One Binder kinase activator-like 2A (yeast)	1,075	0,433
7949719	PC	pyruvate carboxylase	1,07	0,344
8048489	ANKZF1	ankyrin repeat and zinc finger domain containing 1	1,07	0,281
7973743			1,063	0,313
8164810	RALGDS	ral guanine nucleotide dissociation stimulator	1,052	0,405
7908072	LAMC2	laminin, gamma 2	1,051	0,747
8171105	CRLF2	cytokine receptor-like factor 2	1,048	0,37
8110032	C5orf41	chromosome 5 open reading frame 41	1,033	-0,135
8012949	CDRT1	CMT1A duplicated region transcript 1	1,029	0,468
8152703	FBXO32	F-box protein 32	1,013	0,315
8148304	TRIB1	tribbles homolog 1 (<i>Drosophila</i>)	1,01	0,483
8062190	SPAG4	sperm associated antigen 4	1,008	0,42
7964927	TSPAN8	tetraspanin 8	1,003	0,665
8093258	IQCQ	IQ motif containing G	1,001	0,252
7923974			0,997	0,438
7963774	ZNF385A	zinc finger protein 385A	0,984	0,399
8001818	TK2	thymidine kinase 2, mitochondrial	0,98	0,304
8040430	VSNL1	visinin-like 1	0,969	0,462
8098604	ANKRD37	ankyrin repeat domain 37	0,969	0,08
7955441	METTL7A	methyltransferase like 7A	0,954	0,595
7934297			0,953	0,4
8113369	SLCO4C1	solute carrier organic anion transporter family, member 4C1	0,946	0,445
8022711	DSC2	desmocollin 2	0,94	0,382
8151457	HEY1	hairy/enhancer-of-split related with YRPW motif 1	0,939	0,418
7960654	ING4	inhibitor of growth family, member 4	0,932	0,12
8102532	PDE5A	phosphodiesterase 5A, cGMP-specific	0,932	0,246
7967486	CCDC92	coiled-coil domain containing 92	0,93	0,153
8085716	SATB1	SATB homeobox 1	0,929	0,304

8131719	DNAH11	dynein, axonemal, heavy chain 11	0,928	0,277
8017675	PLEKHM1P	pleckstrin homology domain containing, family M (with RUN domain) member 1 pseudogene	0,924	0,259
8061564	ID1	inhibitor of DNA binding 1, dominant negative helix-loop-helix protein	0,918	0,219
8064904	FERMT1	fermitin family homolog 1 (Drosophila)	0,918	0,175
7945377	SIGIRR	single immunoglobulin and toll-interleukin 1 receptor (TIR) domain	0,912	0,26
8044766	INSIG2	insulin induced gene 2	0,912	0,163
8088436	C3orf67	chromosome 3 open reading frame 67	0,909	0,325
7953943	GABARAPL1	GABA(A) receptor-associated protein like 1	0,907	0,059
8095356			0,906	0,066
8084589	MAP3K13	mitogen-activated protein kinase kinase kinase 13	0,903	0,245
7921434	AIM2	absent in melanoma 2	0,902	0,26
8167185	TIMP1 *	TIMP metallopeptidase inhibitor 1	0,901	0,558
8088247	ARHGEF3	Rho guanine nucleotide exchange factor (GEF) 3	0,9	0,208
8143279	ZC3HAV1	zinc finger CCCH-type, antiviral 1	0,898	0,347
8095736	AREG	amphiregulin	0,897	0,53
8160637	B4GALT1	UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 1	0,894	0,34
7937612	MUC5B	mucin 5B, oligomeric mucus/gel-forming	0,892	0,494
8015914	HDAC5	histone deacetylase 5	0,89	0,303
8111101	ANKH	ankylosis, progressive homolog (mouse)	0,89	0,36
7955694	IGFBP6	insulin-like growth factor binding protein 6	0,888	0,437
7928491	MYST4	MYST histone acetyltransferase (monocytic leukemia) 4	0,886	0,28
7993624	SYT17	synaptotagmin XVII	0,886	0,376
7910379	DUSP5P	dual specificity phosphatase 5 pseudogene	0,884	0,095
8001800	CDH11	cadherin 11, type 2, OB-cadherin (osteoblast)	0,883	0,713
8047577	ALS2CR8	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 8	0,88	0,31
7963206			0,877	-0,421
7989277	MYO1E	myosin IE	0,874	0,338
8162276	NFIL3	nuclear factor, interleukin 3 regulated	0,872	0,182
7942007	LRP5	low density lipoprotein receptor-related protein 5	0,871	0,523
7957759	APAF1	apoptotic peptidase activating factor 1	0,871	0,418

8003875	SPNS2	spinster homolog 2 (Drosophila)	0,871	0,272
8171624	GPR64	G protein-coupled receptor 64	0,87	0,154
8012464	LOC100128288	hypothetical protein LOC100128288	0,866	0,186
7973336	MMP14	matrix metallopeptidase 14 (membrane-inserted)	0,865	0,497
7997332	NUDT7	nudix (nucleoside diphosphate linked moiety X)-type motif 7	0,861	-0,01
8032392	MKNK2	MAP kinase interacting serine/threonine kinase 2	0,861	0,354
7917052	SLC44A5	solute carrier family 44, member 5	0,859	0,408
8008885	MIR21	microRNA 21	0,859	0,611
7927876	TET1	tet oncogene 1	0,856	0,321
8016239	PLEKHM1	pleckstrin homology domain containing, family M (with RUN domain) member 1	0,855	0,095
8102518	C4orf3	chromosome 4 open reading frame 3	0,855	0,183
7903404	RNPC3	RNA-binding region (RNP1, RRM) containing 3	0,848	0,138
8151512	PAG1	phosphoprotein associated with glycosphingolipid microdomains 1	0,845	0,256
7978932	SOS2	son of sevenless homolog 2 (Drosophila)	0,844	0,087
8014189	RFFL	ring finger and FYVE-like domain containing 1	0,844	0,224
8093304	CCRL2	chemokine (C-C motif) receptor-like 2	0,844	0,346
8145470	DPYSL2	dihydropyrimidinase-like 2	0,838	0,477
7956088	RAB5B	RAB5B, member RAS oncogene family	0,837	0,235
7908993	SOX13	SRY (sex determining region Y)-box 13	0,831	0,351
8095826	STBD1	starch binding domain 1	0,83	0,195
7984475	CORO2B	coronin, actin binding protein, 2B	0,829	0,249
8153021	ST3GAL1	ST3 beta-galactoside alpha-2,3-sialyltransferase 1	0,829	0,563
7921713	F11R	F11 receptor	0,828	0,266
7958913	OAS2	2'-5'-oligoadenylate synthetase 2, 69/71kDa	0,828	0,342
8169145	MUM1L1	melanoma associated antigen (mutated) 1-like 1	0,821	0,219
7897441	H6PD	hexose-6-phosphate dehydrogenase (glucose 1-dehydrogenase)	0,813	0,179
8012906			0,812	0,23
7928395	FUT11	fucosyltransferase 11 (alpha (1,3)fucosyltransferase)	0,81	0,432
8015412	JUP	junction plakoglobin	0,808	0,283
8115210	TNIP1	TNFAIP3 interacting protein 1	0,805	0,265
7898957	RCAN3	RCAN family member 3	0,803	0,463
8035445	JUND	jun D proto-oncogene	0,799	0,34

7926037	PFKFB3	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	0,796	0,294
7938100	SMPD1	sphingomyelin phosphodiesterase 1, acid lysosomal	0,794	0,404
7970441	GJB2	gap junction protein, beta 2, 26kDa	0,793	0,29
8012896	PMP22	peripheral myelin protein 22	0,793	0,281
8111941	HMGCS1	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1 (soluble)	0,792	0,596
8129880	PERP	PERP, TP53 apoptosis effector	0,792	0,341
7963786	ITGA5	integrin, alpha 5 (fibronectin receptor, alpha polypeptide)	0,79	0,292
8049317	DGKD	diacylglycerol kinase, delta 130kDa	0,786	0,303
7904726	TXNIP	thioredoxin interacting protein	0,782	0,158
8145490	PTK2B	PTK2B protein tyrosine kinase 2 beta	0,779	0,244
7973306	ABHD4	abhydrolase domain containing 4	0,775	0,297
8035793	ZNF737	zinc finger protein 737	0,775	0,497
8088958	GBE1	glucan (1,4-alpha-), branching enzyme 1	0,774	0,226
8116534	TRIM52	tripartite motif-containing 52	0,774	0,137
8136954	FAM115C	family with sequence similarity 115, member C	0,773	0,25
7985934	SEMA4B	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4B	0,772	0,382
8029950	EHD2	EH-domain containing 2	0,772	0,282
8081069	ZNF654	zinc finger protein 654	0,771	0,17
7964872	PTPRB	protein tyrosine phosphatase, receptor type, B	0,77	0,268
8131550	SCIN	scinderin	0,77	0,421
7936115	SH3PXD2A	SH3 and PX domains 2A	0,769	0,287
8055952	NR4A2	nuclear receptor subfamily 4, group A, member 2	0,768	0,286
7899289	WDTC1	WD and tetratricopeptide repeats 1	0,767	0,22
8086125	LBA1	lupus brain antigen 1	0,767	0,265
7990545	CSPG4	chondroitin sulfate proteoglycan 4	0,766	0,021
7974117	C14orf28	chromosome 14 open reading frame 28	0,762	0,014
7912157	ERRFI1	ERBB receptor feedback inhibitor 1	0,76	0,17
8089261	CBLB	Cas-Br-M (murine) ecotropic retroviral transforming sequence b	0,76	0,235
8169186	TBC1D8B	TBC1 domain family, member 8B (with GRAM domain)	0,758	0,28
7912145	TNFRSF9	tumor necrosis factor receptor superfamily, member 9	0,757	0,473
7906978	MGST3	microsomal glutathione S-transferase 3	0,756	0,236
8175393	ARHGEF6	Rac/Cdc42 guanine nucleotide exchange factor (GEF) 6	0,756	0,206

7954469	RASSF8	Ras association (RalGDS/AF-6) domain family (N-terminal) member 8	0,752	0,101
8070097	DNAJC28	DnaJ (Hsp40) homolog, subfamily C, member 28	0,751	0,274
7949410	MALAT1	metastasis associated lung adenocarcinoma transcript 1 (non-protein coding)	0,749	0,501
7914603	RNF19B	ring finger protein 19B	0,745	0,339
8008933	BCAS3	breast carcinoma amplified sequence 3	0,745	-0,05
8079407	CCRL2	chemokine (C-C motif) receptor-like 2	0,744	0,317
7930413	DUSP5	dual specificity phosphatase 5	0,741	0,478
7983940	FAM63B	family with sequence similarity 63, member B	0,741	0,113
7930927	INPP5F	inositol polyphosphate-5-phosphatase F	0,74	0,205
8138202	ICA1	islet cell autoantigen 1, 69kDa	0,74	0,181
8057599	TFPI	tissue factor pathway inhibitor (lipoprotein-associated coagulation inhibitor)	0,738	0,222
8130528	RSPH3	radial spoke 3 homolog (Chlamydomonas)	0,738	0,288
8103986	LRP2BP	LRP2 binding protein	0,735	0,141
8026047	JUNB	jun B proto-oncogene	0,734	0,441
7994981	ORAI3	ORAI calcium release-activated calcium modulator 3	0,733	0,437
7957386	ACSS3	acyl-CoA synthetase short-chain family member 3	0,732	0,052
8020508	RIOK3	RIO kinase 3 (yeast)	0,732	0,046
8037005	TGFB1 *	transforming growth factor, beta 1	0,731	0,641
8136940	FAM115C	family with sequence similarity 115, member C	0,731	0,219
8042402	APLF	aprataxin and PNKP like factor	0,73	0,135
7898663	PINK1	PTEN induced putative kinase 1	0,729	0,278
8154135	SLC1A1	solute carrier family 1 (neuronal/epithelial high affinity glutamate transporter, system X ^{ag}), member 1	0,729	0,346
7956819	RASSF3	Ras association (RalGDS/AF-6) domain family member 3	0,728	0,134
7997139	CALB2	calbindin 2	0,728	0,141
7935572	PYROXD2	pyridine nucleotide-disulphide oxidoreductase domain 2	0,726	0,223
8040340	LPIN1	lipin 1	0,726	0,176
8063028	DNTTIP1	deoxynucleotidyltransferase, terminal, interacting protein 1	0,726	0,074
8120992	ZNF292	zinc finger protein 292	0,725	0,125
8047606	NBEAL1	neurobeachin-like 1	0,722	0,35

8032926	PTPRS	protein tyrosine phosphatase, receptor type, S	0,721	0,385
7931353	PTPRE	protein tyrosine phosphatase, receptor type, E	0,72	0,236
8066574	WFDC10B	WAP four-disulfide core domain 10B	0,72	0,285
8072710	APOL6	apolipoprotein L, 6	0,72	0,322
7927186	RASSF4	Ras association (RalGDS/AF-6) domain family member 4	0,719	0,119
8120176	C6orf141	chromosome 6 open reading frame 141	0,719	0,315
7977507	RPPH1	ribonuclease P RNA component H1	0,718	0,108
8030049	CYTH2	cytohesin 2	0,718	0,269
8130739	RPS6KA2	ribosomal protein S6 kinase, 90kDa, polypeptide 2	0,718	-0,19
8141206	BAIAP2L1	BAI1-associated protein 2-like 1	0,718	0,003
8111772	DAB2	disabled homolog 2, mitogen-responsive phosphoprotein (<i>Drosophila</i>)	0,716	0,401
7908178	C1orf26	chromosome 1 open reading frame 26	0,713	0,086
7998835			0,711	0,203
7908694	NAV1	neuron navigator 1	0,708	0,197
7925257	LYST	lysosomal trafficking regulator	0,708	0,284
8072876	LGALS1	lectin, galactoside-binding, soluble, 1	0,708	0,274
7921088	NES	nestin	0,706	0,449
8146921	RDH10	retinol dehydrogenase 10 (all-trans)	0,706	0,458
7934997	PPP1R3C	protein phosphatase 1, regulatory (inhibitor) subunit 3C	0,706	0,179
7964579	CTDSP2	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 2	0,706	0,263
7993281	SNX29	sorting nexin 29	0,705	0,116
8140113	STX1A	syntaxin 1A (brain)	0,705	0,291
7922773	NCF2	neutrophil cytosolic factor 2	0,703	0,625
7968789	C13orf15	chromosome 13 open reading frame 15	0,702	0,489
7992463	SLC9A3R2	solute carrier family 9 (sodium/hydrogen exchanger), member 3 regulator 2	0,702	0,485
8098204	CPE	carboxypeptidase E	0,702	0,578
8154531	DENND4C	DENN/MADD domain containing 4C	0,702	0,284
7959500	HIP1R	huntingtin interacting protein 1 related	0,701	0,306
8041061	PLB1	phospholipase B1	0,7	0,244
8155540	CNTNAP3	contactin associated protein-like 3	0,697	0,611
8161460	CNTNAP3	contactin associated protein-like 3	0,697	0,611
7987454	BMF	Bcl2 modifying factor	0,696	0,203
8044417	TMEM87B	transmembrane protein 87B	0,696	0,435

7942520			0,694	0,052
8026915	ARRDC2	arrestin domain containing 2	0,693	0,408
7986250	CHD2	chromodomain helicase DNA binding protein 2	0,693	0,221
8021169	LIPG	lipase, endothelial	0,693	0,264
8076734	WNT7B	wingless-type MMTV integration site family, member 7B	0,693	0,196
8013860	MYO18A	myosin XVIIIA	0,691	0,394
8133549	GTF2IRD2B	GTF2I repeat domain containing 2B	0,691	0,443
7912496	MTHFR	5,10-methylenetetrahydrofolate reductase (NADPH)	0,689	0,292
8127872	SNAP91	synaptosomal-associated protein, 91kDa homolog (mouse)	0,689	-0,12
7897803	PLOD1	procollagen-lysine 1, 2-oxoglutarate 5-dioxygenase 1	0,688	0,384
7983173	CCNDBP1	cyclin D-type binding-protein 1	0,688	0,101
7987192	SLC12A6	solute carrier family 12 (potassium/chloride transporters), member 6	0,688	0,264
8159850	VLDLR	very low density lipoprotein receptor	0,688	0,292
7923394	ARL8A	ADP-ribosylation factor-like 8A	0,687	0,259
8175871	L1CAM	L1 cell adhesion molecule	0,687	0,232
8141843	RASA4	RAS p21 protein activator 4	0,686	0,424
7922756	NMNAT2	nicotinamide nucleotide adenyllyltransferase 2	0,685	0,353
8059580	DNER	delta/notch-like EGF repeat containing	0,682	0,368
8053406	RETSAT	retinol saturase (all-trans-retinol 13,14-reductase)	0,681	0,222
8141328	CYP3A5	cytochrome P450, family 3, subfamily A, polypeptide 5	0,68	0,481
7964089	PAN2	PAN2 poly(A) specific ribonuclease subunit homolog (<i>S. cerevisiae</i>)	0,679	0,191
8017346	TBC1D3P2	TBC1 domain family, member 3 pseudogene 2	0,678	0,308
8103563	DDX60	DEAD (Asp-Glu-Ala-Asp) box polypeptide 60	0,678	0,116
8145291	SLC25A37	solute carrier family 25, member 37	0,678	0,528
8120335	FAM83B	family with sequence similarity 83, member B	0,677	0,184
7910383			0,674	-0,01
8022022	LPIN2	lipin 2	0,674	0,226
7977046	TNFAIP2	tumor necrosis factor, alpha-induced protein 2	0,672	0,41
8016215	ARHGAP27	Rho GTPase activating protein 27	0,672	0,318
7913824	C1orf63	chromosome 1 open reading frame 63	0,671	0,303
7958884	OAS1	2',5'-oligoadenylate synthetase 1, 40/46kDa	0,671	0,276
8078380	ZNF860	zinc finger protein 860	0,671	0,048

8154333	KDM4C	lysine (K)-specific demethylase 4C	0,671	0,197
7993622	ITPRIPL2	inositol 1,4,5-triphosphate receptor interacting protein-like 2	0,67	0,241
8035278	ANO8	anoctamin 8	0,669	0,407
8092691	BCL6	B-cell CLL/lymphoma 6	0,666	0,227
8001564	DOK4	docking protein 4	0,665	0,29
8010983	ABR	active BCR-related gene	0,663	0,274
8023377	MEX3C	mex-3 homolog C (<i>C. elegans</i>)	0,663	0,175
8048523	DNAJB2	DnaJ (Hsp40) homolog, subfamily B, member 2	0,663	0,134
8057821	DNAH7	dynein, axonemal, heavy chain 7	0,663	0,007
7930139	TRIM8	tripartite motif-containing 8	0,662	0,396
8007931	ITGB3	integrin, beta 3 (platelet glycoprotein IIIa, antigen CD61)	0,661	0,809
8146285	HGSNAT	heparan-alpha-glucosaminide N-acetyltransferase	0,661	0,266
7964834	CPM	carboxypeptidase M	0,659	0,446
8089930	GOLGB1	golgin B1, golgi integral membrane protein	0,659	0,298
8140170	GTF2IRD2	GTF2I repeat domain containing 2	0,659	0,363
7983867	CGNL1	cingulin-like 1	0,658	0,001
8047401			0,658	0,294
8080714	FLNB	filamin B, beta (actin binding protein 278)	0,658	0,294
8116831	TFAP2A	transcription factor AP-2 alpha (activating enhancer binding protein 2 alpha)	0,657	0,326
8045736	FMNL2	formin-like 2	0,656	0,228
8056999	TTC30A	tetratricopeptide repeat domain 30A	0,656	-0,085
7970844	KATNAL1	katanin p60 subunit A-like 1	0,655	0,479
8058127	CLK1	CDC-like kinase 1	0,654	0,229
8034217	EPOR	erythropoietin receptor	0,653	0,086
8087433	NICN1	nicolin 1	0,653	0,366
8116070	PDLM7	PDZ and LIM domain 7 (enigma)	0,653	0,259
8064978	JAG1	jagged 1 (Alagille syndrome)	0,652	0,413
8094476	TBC1D19	TBC1 domain family, member 19	0,652	-0,095
7913682	HMGCL	3-hydroxymethyl-3-methylglutaryl-Coenzyme A lyase	0,651	0,061
8129666	SLC2A12	solute carrier family 2 (facilitated glucose transporter), member 12	0,651	0,149
8075705			0,65	0,214
7916926			0,649	-0,105
8009353	PITPNC1	phosphatidylinositol transfer protein, cytoplasmic 1	0,649	0,216
8048304	CTDSP1	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 1	0,649	0,272
8036304	ZFP14	zinc finger protein 14 homolog (mouse)	0,648	-0,08
8077612	TTLL3	tubulin tyrosine ligase-like family, member 3	0,648	0,455

8079966	SEMA3B	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3B	0,648	0,297
8162586	SLC35D2	solute carrier family 35, member D2	0,647	0,113
8057990	ANKRD44	ankyrin repeat domain 44	0,646	0,284
8086981	UCN2	urocortin 2	0,646	0,474
8155359	CNTNAP3	contactin associated protein-like 3	0,644	0,569
8053648	KRCC1	lysine-rich coiled-coil 1	0,643	-0,029
8164105	GOLGA1	golgi autoantigen, golgin subfamily a, 1	0,643	0,147
7907893	MR1	major histocompatibility complex, class I-related	0,642	0,225
8070961	LSS	lanosterol synthase (2,3-oxidosqualene-lanosterol cyclase)	0,642	0,208
8095626			0,642	0,146
8009746	SLC16A5	solute carrier family 16, member 5 (monocarboxylic acid transporter 6)	0,641	0,3
7926679	KIAA1217	KIAA1217	0,64	0,071
8114593	APBB3	amyloid beta (A4) precursor protein-binding, family B, member 3	0,64	0,157
8080184	ALAS1	aminolevulinate, delta-, synthase 1	0,639	0,24
8083166	TRPC1	transient receptor potential cation channel, subfamily C, member 1	0,639	0,368
8168472	ATP7A	ATPase, Cu++ transporting, alpha polypeptide	0,639	0,231
8087485	UBA7	ubiquitin-like modifier activating enzyme 7	0,638	0,494
8037444	ZNF235	zinc finger protein 235	0,638	0,12
8160297	ADFP	adipose differentiation-related protein	0,638	0,238
8165866	STS	steroid sulfatase (microsomal), isozyme S	0,638	0,425
7922707	RNASEL	ribonuclease L (2',5'-oligoisoadenylate synthetase-dependent)	0,637	0,172
7987840	VPS39	vacuolar protein sorting 39 homolog (S. cerevisiae)	0,636	0,143
8029065	BCKDHA	branched chain keto acid dehydrogenase E1, alpha polypeptide	0,636	-0,035
8039340	TNNT1	troponin T type 1 (skeletal, slow)	0,636	0,23
8143038			0,635	0,23
7932985	NRP1	neuropilin 1	0,633	0,209
7937772	IGF2	insulin-like growth factor 2 (somatomedin A)	0,633	0,166
8046020	SCN2A	sodium channel, voltage-gated, type II, alpha subunit	0,633	0,127
8086517	CDCP1	CUB domain containing protein 1	0,633	0,347
8117343	HFE	hemochromatosis	0,633	0,218

8058118	KCTD18	potassium channel tetramerisation domain containing 18	0,632	-0,241
8091283	PLOD2	procollagen-lysine, 2-oxoglutarate 5-dioxygenase 2	0,63	0,193
7930380	ADD3	adducin 3 (gamma)	0,629	0,134
8020551	LAMA3	laminin, alpha 3	0,627	0,399
8090162	ITGB5	integrin, beta 5	0,627	0,244
8067055	ATP9A	ATPase, class II, type 9A	0,626	0,298
8122317	HEBP2	heme binding protein 2	0,626	0,188
8125818	C6orf1	chromosome 6 open reading frame 1	0,625	0,073
8164464	ZER1	zer-1 homolog (<i>C. elegans</i>)	0,625	0,184
8031659	ZFP28	zinc finger protein 28 homolog (mouse)	0,624	0,174
7965510	TMCC3	transmembrane and coiled-coil domain family 3	0,623	0,325
8099721	KIAA0746	KIAA0746 protein	0,623	0,49
7899486	TRNAU1AP	tRNA selenocysteine 1 associated protein 1	0,622	0,217
7962112	CAPRIN2	caprin family member 2	0,622	0,352
7976084	SPATA7	spermatogenesis associated 7	0,622	0,094
8119473	PRICKLE4	prickle homolog 4 (<i>Drosophila</i>)	0,622	0,187
8120880	TPBG	trophoblast glycoprotein	0,622	0,356
8003410	GALNS	galactosamine (N-acetyl)-6-sulfate sulfatase	0,621	0,206
8037071	RABAC1	Rab acceptor 1 (prenylated)	0,62	0,288
8178676	NEU1	sialidase 1 (lysosomal sialidase)	0,62	0,263
8179595	GABBR1	gamma-aminobutyric acid (GABA) B receptor, 1	0,62	0,407
8075720	APOL2	apolipoprotein L, 2	0,619	0,245
8007976	NPEPPS	aminopeptidase puromycin sensitive	0,618	0,257
8038126	CA11	carbonic anhydrase XI	0,618	0,387
8007620	GRN	granulin	0,617	0,305
7948829	ZBTB3	zinc finger and BTB domain containing 3	0,615	0,028
8041676	DYNC2LI1	dynein, cytoplasmic 2, light intermediate chain 1	0,615	0,149
8026763	SLC27A1	solute carrier family 27 (fatty acid transporter), member 1	0,614	0,25
8087419	AMT	aminomethyltransferase	0,613	0,256
8119926	TMEM63B	transmembrane protein 63B	0,612	0,223
7899753	LCK	lymphocyte-specific protein tyrosine kinase	0,611	0,195
7978544	EGLN3	egl nine homolog 3 (<i>C. elegans</i>)	0,611	0,283
7984922	MPI	mannose phosphate isomerase	0,61	0,043
8013159	TOM1L2	target of myb1-like 2 (chicken)	0,609	0,177
7951429	KBTBD3	kelch repeat and BTB (POZ) domain containing 3	0,608	0,255
8152280	LRP12	low density lipoprotein-related protein 12	0,608	0,272

8017671	PLEKHM1P	pleckstrin homology domain containing, family M (with RUN domain) member 1 pseudogene	0,606	0,236
8176133	G6PD	glucose-6-phosphate dehydrogenase	0,606	0,21
7940079	CTNND1	catenin (cadherin-associated protein), delta 1	0,605	0,331
8013135	SREBF1	sterol regulatory element binding transcription factor 1	0,605	0,079
8072360	TCN2	transcobalamin II; macrocytic anemia	0,605	0,195
8087547	MST1R	macrophage stimulating 1 receptor (c-met-related tyrosine kinase)	0,604	0,304
8107133	PAM	peptidylglycine alpha-amidating monooxygenase	0,604	0,259
7954090	EMP1	epithelial membrane protein 1	0,603	0,155
7984771	LOXL1	lysyl oxidase-like 1	0,603	0,2
8109093	ABLIM3	actin binding LIM protein family, member 3	0,603	0,115
7923119	ZBTB41	zinc finger and BTB domain containing 41	0,601	0,107
8156569	C9orf3	chromosome 9 open reading frame 3	0,601	0,455
8103755	FBXO8	F-box protein 8	0,6	-0,087
8137526	INSIG1	insulin induced gene 1	0,6	0,316
8106722	ATP6AP1L	ATPase, H ⁺ transporting, lysosomal accessory protein 1-like	0,599	-0,074
7930074	NFKB2	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2 (p49/p100)	0,598	0,337
8041048	FOSL2	FOS-like antigen 2	0,598	0,177
8073470	CTA-216E10.6	hypothetical FLJ23584	0,598	0,171
8099965	ACOT7	acyl-CoA thioesterase 7	0,598	-0,018
8163825	TRAF1	TNF receptor-associated factor 1	0,596	0,534
8113512	EPB41L4A	erythrocyte membrane protein band 4.1 like 4A	0,596	0,12
7961891	BHLHE41	basic helix-loop-helix family, member e41	0,595	0,265
8112596	ANKRA2	ankyrin repeat, family A (RFXANK-like), 2	0,595	0,134
8132980	TNRC18	trinucleotide repeat containing 18	0,595	0,021
7928354	FAM149B1	family with sequence similarity 149, member B1	0,594	0,096
8121312	C6orf203	chromosome 6 open reading frame 203	0,594	0,073
7919326	ACP6	acid phosphatase 6, lysophosphatidic	0,592	-0,012
7953442	GPR162	G protein-coupled receptor 162	0,592	0,314
8026163	IER2	immediate early response 2	0,592	0,27
8113413	NUDT12	nudix (nucleoside diphosphate linked moiety X)-type motif 12	0,592	-0,132

8068697	MX2	myxovirus (influenza virus) resistance 2 (mouse)	0,588	0,201
8101284	PRKG2	protein kinase, cGMP-dependent, type II	0,588	-0,153
8019778	PCYT2	phosphate cytidylyltransferase 2, ethanolamine	0,587	0,264
8082314	PLXNA1	plexin A1	0,587	0,287
8108475	C5orf53	chromosome 5 open reading frame 53	0,587	0,331
8146859			0,587	0,108
7953409	PTMS	parathymosin	0,586	0,062
8002992	C16orf46	chromosome 16 open reading frame 46	0,586	0,13
7914094	WASF2	WAS protein family, member 2	0,585	-0,009
7941111	SNX15	sorting nexin 15	0,585	0,141
7950671	GAB2	GRB2-associated binding protein 2	0,585	0,23
8076547	TTLL1	tubulin tyrosine ligase-like family, member 1	0,585	0,025
8008627	NOG *	noggin	0,536	0,614
8065410	CST4	cystatin S	0,461	0,979
8131581			0,457	-0,919
8095680	IL8	interleukin 8	0,304	0,6
7977270	LOC388022	hypothetical gene supported by AK131040	0,071	0,731
8173671			0,061	0,626
8165656			-0,214	-0,643
8120838	TTK	TTK protein kinase	-0,228	-0,613
7969374	C13orf34	chromosome 13 open reading frame 34	-0,254	-0,608
8049542	LRRFIP1	leucine rich repeat (in FLII) interacting protein 1	-0,272	-0,679
7916898	DEPDC1	DEP domain containing 1	-0,275	-0,761
7909271	IL24	interleukin 24	-0,276	-0,989
7979307	DLGAP5	discs, large (Drosophila) homolog-associated protein 5	-0,302	-0,62
8105842	CENPH	centromere protein H	-0,309	-0,604
8124406	HIST1H2BC	histone cluster 1, H2bc	-0,312	-0,731
8109712	HMMR	hyaluronan-mediated motility receptor (RHAMM)	-0,313	-0,875
7972225			-0,318	-0,587
7947248	KIF18A	kinesin family member 18A	-0,331	-0,785
8102076	CENPE	centromere protein E, 312kDa	-0,355	-0,779
7904465	HIST2H2BA	histone cluster 2, H2ba	-0,368	-0,641
7923189	KIF14	kinesin family member 14	-0,377	-0,615
7896746			-0,38	-0,635
7906930	NUF2	NUF2, NDC80 kinetochore complex component, homolog (S. cerevisiae)	-0,442	-0,603
8124397	HIST1H1C	histone cluster 1, H1c	-0,475	-0,605
8117372	HIST1H2AC	histone cluster 1, H2ac	-0,478	-0,683
8124448	HIST1H4H	histone cluster 1, H4h	-0,496	-0,653

8117368	HIST1H4C	histone cluster 1, H4c	-0,5	-0,65
7905079	HIST2H2AA3	histone cluster 2, H2aa3	-0,503	-0,585
7919619	HIST2H2AA3	histone cluster 2, H2aa3	-0,503	-0,585
7994109	PLK1	polo-like kinase 1 (Drosophila)	-0,519	-0,777
8133976	DBF4	DBF4 homolog (<i>S. cerevisiae</i>)	-0,525	-0,631
8022612	ZNF521	zinc finger protein 521	-0,54	-0,64
8117583	HIST1H2AI	histone cluster 1, H2ai	-0,542	-0,802
8068898	HIST1H2BK	histone cluster 1, H2bk	-0,544	-0,733
8117334	HIST1H4A	histone cluster 1, H4a	-0,549	-0,771
8030128	PPP1R15A	protein phosphatase 1, regulatory (inhibitor) subunit 15A	-0,574	-0,793
8179055	ZNRD1	zinc ribbon domain containing 1	-0,578	-0,585
8117535	HIST1H2AG	histone cluster 1, H2ag	-0,585	-0,568
7927681	BICC1	bicaudal C homolog 1 (Drosophila)	-0,585	-0,244
8050869			-0,585	0,175
8019316	PYCR1	pyrroline-5-carboxylate reductase 1	-0,586	-0,253
8066256	SNORA71B	small nucleolar RNA, H/ACA box 71B	-0,586	-0,102
8166723	XK	X-linked Kx blood group (McLeod syndrome)	-0,586	-0,333
8124540	HIST1H2AM	histone cluster 1, H2am	-0,587	-0,698
7942527	POLD3	polymerase (DNA-directed), delta 3, accessory subunit	-0,587	-0,131
8001776			-0,587	0,107
8003621	RNMTL1	RNA methyltransferase like 1	-0,587	-0,309
8144281	ARHGEF10	Rho guanine nucleotide exchange factor (GEF) 10	-0,587	-0,098
8161242	EXOSC3	exosome component 3	-0,587	-0,18
8124388	HIST1H3B	histone cluster 1, H3b	-0,588	-0,858
8081135	CDV3	CDV3 homolog (mouse)	-0,588	-0,319
7935425	RRP12	ribosomal RNA processing 12 homolog (<i>S. cerevisiae</i>)	-0,589	-0,311
7948037			-0,589	-0,214
8020411	SNRPD1	small nuclear ribonucleoprotein D1 polypeptide 16kDa	-0,589	-0,433
8069943	URB1	URB1 ribosome biogenesis 1 homolog (<i>S. cerevisiae</i>)	-0,589	-0,167
8138489	CDCA7L	cell division cycle associated 7-like	-0,589	0,002
7951032	SNORA1	small nucleolar RNA, H/ACA box 1	-0,59	0,013
8027330	PCGF6	polycomb group ring finger 6	-0,59	-0,147
7919642	HIST2H2AB	histone cluster 2, H2ab	-0,591	-1,07
7983306	WDR76	WD repeat domain 76	-0,591	-0,185
8017262	BRIP1	BRCA1 interacting protein C-terminal helicase 1	-0,591	-0,204
8166230	CXorf15	chromosome X open reading frame 15	-0,591	-0,257
8147548	POP1	processing of precursor 1, ribonuclease P/MRP subunit (<i>S. cerevisiae</i>)	-0,592	-0,238

8158544	METTL11A	methyltransferase like 11A	-0,592	-0,207
7999304	FAM86A	family with sequence similarity 86, member A	-0,594	-0,18
8013616	SLC46A1	solute carrier family 46 (folate transporter), member 1	-0,594	0,155
8152255	SLC25A32	solute carrier family 25, member 32	-0,594	-0,217
7979281	WDHD1	WD repeat and HMG-box DNA binding protein 1	-0,595	0,006
8097335	HSPA4L	heat shock 70kDa protein 4-like	-0,595	-0,081
7936637	SNORA19	small nucleolar RNA, H/ACA box 19	-0,596	0,025
8099051	NOP14	NOP14 nucleolar protein homolog (yeast)	-0,596	-0,225
8164742	DDX31	DEAD (Asp-Glu-Ala-Asp) box polypeptide 31	-0,597	-0,198
7974198	PPI5	peptidylprolyl isomerase (cyclophilin)-like 5	-0,598	-0,27
8020254	SEH1L	SEH1-like (S. cerevisiae)	-0,598	-0,184
8022514	C18orf45	chromosome 18 open reading frame 45	-0,598	-0,195
8140151	RFC2	replication factor C (activator 1) 2, 40kDa	-0,598	-0,293
7940479	TMEM216	transmembrane protein 216	-0,599	-0,227
7997152	CHST4	carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 4	-0,599	-0,12
8014755	SNORA21	small nucleolar RNA, H/ACA box 21	-0,599	0,084
7914851	CLSPN	claspin homolog (Xenopus laevis)	-0,6	0,077
7959354	BCL7A	B-cell CLL/lymphoma 7A	-0,6	-0,168
8101143	NUP54	nucleoporin 54kDa	-0,6	-0,297
8116910	HIVEP1	human immunodeficiency virus type I enhancer binding protein 1	-0,6	-0,247
8089040	MINA	MYC induced nuclear antigen	-0,602	-0,358
8095585	SLC4A4	solute carrier family 4, sodium bicarbonate cotransporter, member 4	-0,602	-0,263
8104568	UNQ1870	GALI1870	-0,602	0,056
8161829	C9orf41	chromosome 9 open reading frame 41	-0,602	0,021
8045697	RIF1	RAP1 interacting factor homolog (yeast)	-0,603	-0,242
8085531	MRPS25	mitochondrial ribosomal protein S25	-0,603	0,013
7951038	SNORA40	small nucleolar RNA, H/ACA box 40	-0,604	-0,109
8008754	RAD51C	RAD51 homolog C (S. cerevisiae)	-0,604	-0,151
8125919	FKBP5	FK506 binding protein 5	-0,604	-0,234
8142019	ORC5L	origin recognition complex, subunit 5-like (yeast)	-0,605	-0,344
7960771	CD163L1	CD163 molecule-like 1	-0,605	-0,263
8047780	SNORA41	small nucleolar RNA, H/ACA box 41	-0,605	-0,078

7904452	FAM72D	family with sequence similarity 72, member D	-0,606	-0,707
7989647	KIAA0101	KIAA0101	-0,606	-0,306
8097867	KIAA0922	KIAA0922	-0,606	-0,164
7939376	LDLRAD3	low density lipoprotein receptor class A domain containing 3	-0,607	-0,254
8099760	ARAP2	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2	-0,607	-0,324
7996891	CIRH1A	cirrhosis, autosomal recessive 1A (cirhin)	-0,609	-0,287
7909146	FAM72D	family with sequence similarity 72, member D	-0,61	-0,711
8036351	ZNF850P	zinc finger protein 850 pseudogene	-0,61	-0,373
8104825	BXDC2	brix domain containing 2	-0,61	-0,301
7932160	FAM107B	family with sequence similarity 107, member B	-0,612	-0,18
8150204			-0,612	-0,204
7970329	GAS6	growth arrest-specific 6	-0,613	-0,088
7979416	TIMM9	translocase of inner mitochondrial membrane 9 homolog (yeast)	-0,613	-0,394
8152668	ATAD2	ATPase family, AAA domain containing 2	-0,613	-0,189
8051746	THUMPD2	THUMP domain containing 2	-0,614	-0,144
7920687	GBAP	glucosidase, beta; acid, pseudogene	-0,615	-0,136
8121489	AMD1	adenosylmethionine decarboxylase 1	-0,615	-0,063
8122365	GPR126	G protein-coupled receptor 126	-0,615	-0,206
7926299	HSPA14	heat shock 70kDa protein 14	-0,616	-0,198
8050255	NOL10	nucleolar protein 10	-0,616	-0,262
8149296	PINX1	PIN2-interacting protein 1	-0,616	-0,185
8170418	LOC643015	hypothetical LOC643015	-0,616	-0,283
8039109	VSTM1	V-set and transmembrane domain containing 1	-0,618	-0,478
8064844	PCNA	proliferating cell nuclear antigen	-0,619	-0,048
8146357	MCM4	minichromosome maintenance complex component 4	-0,619	-0,08
8092726	CLDN1	claudin 1	-0,621	-0,382
8039928	FAM72D	family with sequence similarity 72, member D	-0,622	-0,699
7929078	KIF20B	kinesin family member 20B	-0,623	-0,475
8062571	FAM83D	family with sequence similarity 83, member D	-0,623	-0,524
8146130	GINS4	GINS complex subunit 4 (Sld5 homolog)	-0,623	-0,23
7981447	XRCC3	X-ray repair complementing defective repair in Chinese hamster cells 3	-0,624	-0,144
7996211	GINS3	GINS complex subunit 3 (Psf3 homolog)	-0,625	-0,144
8138640	CYCS	cytochrome c, somatic	-0,625	-0,183
8090448	RUVBL1	RuvB-like 1 (E. coli)	-0,626	-0,395

8065510	NANP	N-acetylneuraminic acid phosphatase	-0,626	-0,136
7931268	BCCIP	BRCA2 and CDKN1A interacting protein	-0,627	-0,269
7952601	ETS1	v-ets erythroblastosis virus E26 oncogene homolog 1 (avian)	-0,627	-0,257
8002762	RFWD3	ring finger and WD repeat domain 3	-0,627	-0,126
8100347	SCFD2	sec1 family domain containing 2	-0,627	-0,221
8112582			-0,627	-0,118
7912659	AGMAT	agmatine ureohydrolase (agmatinase)	-0,628	-0,285
7943577	RAB39	RAB39, member RAS oncogene family	-0,629	-0,15
7995797	MT1E	metallothionein 1E	-0,629	-0,225
8085145	RAD18	RAD18 homolog (<i>S. cerevisiae</i>)	-0,629	-0,172
8157216	UGCG	UDP-glucose ceramide glucosyltransferase	-0,629	-0,157
8169868	UTP14A	UTP14, U3 small nucleolar ribonucleoprotein, homolog A (yeast)	-0,629	-0,192
8174047	TIMM8A	translocase of inner mitochondrial membrane 8 homolog A (yeast)	-0,629	-0,087
7915529	HYI	hydroxypyruvate isomerase homolog (<i>E. coli</i>)	-0,63	-0,204
7989975	CLN6	ceroid-lipofuscinosis, neuronal 6, late infantile, variant	-0,63	-0,27
8105577			-0,63	-0,032
8121087	PM20D2	peptidase M20 domain containing 2	-0,63	-0,162
8080938	MITF	microphthalmia-associated transcription factor	-0,631	-0,385
8020814	RNF138	ring finger protein 138	-0,632	-0,25
7900167	CDCA8	cell division cycle associated 8	-0,633	-0,655
8012403	AURKB	aurora kinase B	-0,633	-0,384
8039491	UBE2S	ubiquitin-conjugating enzyme E2S	-0,635	-0,54
8041360	TTC27	tetratricopeptide repeat domain 27	-0,636	-0,415
8050689	C2orf44	chromosome 2 open reading frame 44	-0,636	-0,121
7959986	PUS1	pseudouridylate synthase 1	-0,637	-0,212
7982620	EIF2AK4	eukaryotic translation initiation factor 2 alpha kinase 4	-0,637	-0,221
8151824	RAD54B	RAD54 homolog B (<i>S. cerevisiae</i>)	-0,637	-0,251
8112312	DIMT1L	DIM1 dimethyladenosine transferase 1-like (<i>S. cerevisiae</i>)	-0,639	-0,311
7977018	TRAF3	TNF receptor-associated factor 3	-0,639	-0,166
8113790	MARCH3	membrane-associated ring finger (C3HC4) 3	-0,64	-0,045
8124510	HIST1H2BL	histone cluster 1, H2bl	-0,64	-0,563
7948229	SLC43A3	solute carrier family 43, member 3	-0,641	-0,21
8169240	PRPS1	phosphoribosyl pyrophosphate synthetase 1	-0,641	-0,181
7976621	VRK1	vaccinia related kinase 1	-0,642	-0,284

8138888	PDE1C	phosphodiesterase 1C, calmodulin-dependent 70kDa	-0,643	-0,339
8148325			-0,643	-0,194
7957649	SNRPF	small nuclear ribonucleoprotein polypeptide F	-0,644	-0,43
8059538	SLC19A3	solute carrier family 19, member 3	-0,644	-0,316
8097262	SPATA5	spermatogenesis associated 5	-0,644	-0,207
8117580	HIST1H2AI	histone cluster 1, H2ai	-0,645	-0,982
7926807	PDSS1	prenyl (decaprenyl) diphosphate synthase, subunit 1	-0,645	-0,291
8076463	RRP7B	ribosomal RNA processing 7 homolog B (<i>S. cerevisiae</i>)	-0,645	-0,018
8128977	TUBE1	tubulin, epsilon 1	-0,645	-0,417
8117598	HIST1H4J	histone cluster 1, H4j	-0,646	-0,623
8061471	GINS1	GINS complex subunit 1 (<i>Psf1</i> homolog)	-0,646	-0,143
8089835	FSTL1	follistatin-like 1	-0,646	-0,218
8045171	IMP4	IMP4, U3 small nucleolar ribonucleoprotein, homolog (<i>yeast</i>)	-0,647	-0,283
7962811	C12orf41	chromosome 12 open reading frame 41	-0,647	-0,122
7914216	SNORA16A	small nucleolar RNA, H/ACA box 16A	-0,648	0,113
7981346	RAGE	renal tumor antigen	-0,648	-0,354
7996934	NIP7	nuclear import 7 homolog (<i>S. cerevisiae</i>)	-0,648	-0,233
8076449	RRP7B	ribosomal RNA processing 7 homolog B (<i>S. cerevisiae</i>)	-0,648	-0,111
8102440	ARSJ	arylsulfatase family, member J	-0,649	-0,195
8118721	ZBTB9	zinc finger and BTB domain containing 9	-0,649	-0,08
7912374	SRM	spermidine synthase	-0,65	-0,188
7955613	KRT7	keratin 7	-0,65	-0,248
8067040	NFATC2	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 2	-0,651	-0,364
8077914	TSEN2	tRNA splicing endonuclease 2 homolog (<i>S. cerevisiae</i>)	-0,651	-0,24
8027642	PDCD2L	programmed cell death 2-like	-0,653	-0,331
7914878			-0,654	-0,011
7951654	FDXACB1	ferredoxin-fold anticodon binding domain containing 1	-0,655	-0,354
8003068	MPHOSPH6	M-phase phosphoprotein 6	-0,657	-0,128
8071332	RANBP1	RAN binding protein 1	-0,657	-0,296
8157092	TMEM38B	transmembrane protein 38B	-0,657	-0,219
8012958	UBE2S	ubiquitin-conjugating enzyme E2S	-0,658	-0,552
7953594	EMG1	EMG1 nucleolar protein homolog (<i>S. cerevisiae</i>)	-0,658	-0,4
8070330	PSMG1	proteasome (prosome, macropain) assembly chaperone 1	-0,658	-0,209
7928429	PLAU	plasminogen activator, urokinase	-0,659	-0,139

7953100	FKBP4	FK506 binding protein 4, 59kDa	-0,659	-0,079
8147447	PTDSS1	phosphatidylserine synthase 1	-0,659	-0,125
7907702	SOAT1	sterol O-acyltransferase 1	-0,66	-0,274
7941707	RBM14	RNA binding motif protein 14	-0,66	0,106
8069565	BTG3	BTG family, member 3	-0,66	-0,214
8081786	QTRTD1	queuine tRNA-ribosyltransferase domain containing 1	-0,66	-0,236
7906021	MSTO1	misato homolog 1 (<i>Drosophila</i>)	-0,661	-0,193
8116530	SNORD96A	small nucleolar RNA, C/D box 96A	-0,661	-0,255
7904967			-0,662	-0,015
7953218	RAD51AP1	RAD51 associated protein 1	-0,662	-0,337
8110147	C5orf25	chromosome 5 open reading frame 25	-0,662	-0,22
8145782	MAK16	MAK16 homolog (<i>S. cerevisiae</i>)	-0,663	-0,35
7982287	ARHGAP11B	Rho GTPase activating protein 11B	-0,663	-0,593
7927669	TFAM	transcription factor A, mitochondrial	-0,664	-0,343
8154733	ACO1	aconitase 1, soluble	-0,664	-0,406
8072113	SRRD	SRR1 domain containing	-0,665	-0,306
8102950	INPP4B	inositol polyphosphate-4-phosphatase, type II, 105kDa	-0,665	-0,426
7948267	TIMM10	translocase of inner mitochondrial membrane 10 homolog (<i>yeast</i>)	-0,665	-0,321
7960702	CDCA3	cell division cycle associated 3	-0,665	-0,397
7901091	TOE1	target of EGR1, member 1 (nuclear)	-0,666	-0,217
7966462	C12orf30	chromosome 12 open reading frame 30	-0,666	-0,251
7997940	SNORD68	small nucleolar RNA, C/D box 68	-0,666	-0,003
7971866	DIAPH3	diaphanous homolog 3 (<i>Drosophila</i>)	-0,667	-0,675
8117614	HIST1H2BO	histone cluster 1, H2bo	-0,667	-0,598
8152582	DSCC1	defective in sister chromatid cohesion 1 homolog (<i>S. cerevisiae</i>)	-0,667	-0,148
8000236	CDR2	cerebellar degeneration-related protein 2, 62kDa	-0,668	-0,159
8104746	NPR3	natriuretic peptide receptor C/guanylate cyclase C (atrionatriuretic peptide receptor C)	-0,668	-0,14
7983350	EIF3J	eukaryotic translation initiation factor 3, subunit J	-0,669	-0,415
7965918	NT5DC3	5'-nucleotidase domain containing 3	-0,67	-0,227
7979269	GCH1	GTP cyclohydrolase 1	-0,671	-0,057
7973182	LOC554207	hypothetical LOC554207	-0,672	-0,15
7896961	ATAD3B	ATPase family, AAA domain containing 3B	-0,673	-0,175
7919160			-0,674	-0,231
7919166			-0,674	-0,231
8149438	SGCZ	sarcoglycan zeta	-0,674	-0,231
8157843	RABEPK	Rab9 effector protein with kelch motifs	-0,674	-0,213
7924071	KCNH1	potassium voltage-gated channel, subfamily H (eag-related), member	-0,677	-0,208

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8028563	MRPS12	mitochondrial ribosomal protein S12	-0,678	-0,107
8097288	FAT4	FAT tumor suppressor homolog 4 (Drosophila)	-0,678	-0,163
8104930	SLC1A3	solute carrier family 1 (glial high affinity glutamate transporter), member 3	-0,678	0,247
8122202	MYB	v-myb myeloblastosis viral oncogene homolog (avian)	-0,678	-0,113
7901123	NASP	nuclear autoantigenic sperm protein (histone-binding)	-0,679	-0,146
7900699	CDC20	cell division cycle 20 homolog (S. cerevisiae)	-0,68	-0,493
7941702	RBM14	RNA binding motif protein 14	-0,68	0,051
8024900	UHRF1	ubiquitin-like with PHD and ring finger domains 1	-0,681	-0,142
8097679	LSM6	LSM6 homolog, U6 small nuclear RNA associated (S. cerevisiae)	-0,681	-0,305
8005753			-0,682	-0,129
8065537	CTD-2514C3.1	hypothetical LOC100134868	-0,682	-0,537
7918657	PTPN22	protein tyrosine phosphatase, non-receptor type 22 (lymphoid)	-0,684	-0,341
7972180	RNF219	ring finger protein 219	-0,685	-0,147
8040843	CAD	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	-0,685	-0,211
8005097	HS3ST3B1	heparan sulfate (glucosamine) 3-O-sulfotransferase 3B1	-0,686	-0,159
8043349	ANAPC1	anaphase promoting complex subunit 1	-0,687	-0,31
8117106	RNF144B	ring finger protein 144B	-0,687	-0,3
8165622	ZMYND19	zinc finger, MYND-type containing 19	-0,687	-0,091
8127109	ICK	intestinal cell (MAK-like) kinase	-0,688	-0,353
7935146	NOC3L	nucleolar complex associated 3 homolog (S. cerevisiae)	-0,689	-0,261
8051622	SFRS7	splicing factor, arginine-serine-rich 7, 35kDa	-0,689	-0,121
8142424	GPR85	G protein-coupled receptor 85	-0,689	-0,254
7915045	C1orf109	chromosome 1 open reading frame 109	-0,69	-0,217
7917322	SYDE2	synapse defective 1, Rho GTPase, homolog 2 (C. elegans)	-0,691	-0,085
7940147	FAM111B	family with sequence similarity 111, member B	-0,691	-0,015
8043322	ANAPC1	anaphase promoting complex subunit 1	-0,691	-0,306
8092177	AADACL1	arylacetamide deacetylase-like 1	-0,691	-0,188
8097480	NARG1	NMDA receptor regulated 1	-0,691	-0,302

7905054			-0,692	-0,181
8107578	SRFBP1	serum response factor binding protein 1	-0,692	-0,252
8081241	C3orf26	chromosome 3 open reading frame 26	-0,693	-0,401
8027448	DPY19L3	dpy-19-like 3 (<i>C. elegans</i>)	-0,694	-0,291
7901046	SNORD55	small nucleolar RNA, C/D box 55	-0,696	-0,034
8003503	FANCA	Fanconi anemia, complementation group A	-0,696	-0,033
8122440	LTV1	LTV1 homolog (<i>S. cerevisiae</i>)	-0,696	-0,288
7919591	FAM72D	family with sequence similarity 72, member D	-0,697	-0,731
7927964	SRGN	serglycin	-0,698	-0,312
7916219	C1orf163	chromosome 1 open reading frame 163	-0,7	-0,054
8009241	SNORD104	small nucleolar RNA, C/D box 104	-0,7	-0,172
8024843	CHAF1A	chromatin assembly factor 1, subunit A (p150)	-0,7	-0,177
8107594	SNCAIP	synuclein, alpha interacting protein	-0,7	-0,326
8103706	AADAT	aminoacidate aminotransferase	-0,702	-0,19
8027429			-0,704	0,059
7912303	DFFA	DNA fragmentation factor, 45kDa, alpha polypeptide	-0,705	-0,225
8159803	FAM138A	family with sequence similarity 138, member A	-0,705	-0,181
7989069	PYGO1	pygopus homolog 1 (<i>Drosophila</i>)	-0,708	-0,148
8076339	PHF5A	PHD finger protein 5A	-0,708	-0,263
7925978	C10orf18	chromosome 10 open reading frame 18	-0,709	-0,119
7989657	UNQ353	GKGM353	-0,709	0,308
7990345	SEMA7A	semaphorin 7A, GPI membrane anchor (John Milton Hagen blood group)	-0,709	-0,197
7988687	GABPB1	GA binding protein transcription factor, beta subunit 1	-0,71	-0,468
7921076	GPATCH4	G patch domain containing 4	-0,71	-0,226
7989146	MNS1	meiosis-specific nuclear structural 1	-0,712	-0,534
8178090	C6orf48	chromosome 6 open reading frame 48	-0,712	-0,188
8179326	C6orf48	chromosome 6 open reading frame 48	-0,712	-0,188
8069676	ADAMTS1	ADAM metallopeptidase with thrombospondin type 1 motif, 1	-0,713	0,029
7916167	ORC1L	origin recognition complex, subunit 1-like (yeast)	-0,717	0,029
8141421			-0,717	0,028
8128316	GPR63	G protein-coupled receptor 63	-0,718	-0,3
8117389	HIST1H2BE	histone cluster 1, H2be	-0,72	-0,942
7983123	HAUS2	HAUS augmin-like complex, subunit 2	-0,72	-0,199
7984540	KIF23	kinesin family member 23	-0,72	-0,548

8005839	TMEM97	transmembrane protein 97	-0,721	-0,172
8105348	GPX8	glutathione peroxidase 8 (putative)	-0,721	-0,265
8117589	HIST1H3H	histone cluster 1, H3h	-0,723	-0,642
7986068	BLM	Bloom syndrome, RecQ helicase-like	-0,723	-0,294
8082816	SRPRB	signal recognition particle receptor, B subunit	-0,723	-0,01
8014066	EVI2A	ecotropic viral integration site 2A	-0,724	-0,758
8112045	ESM1	endothelial cell-specific molecule 1	-0,724	-0,277
7950042	SHANK2	SH3 and multiple ankyrin repeat domains 2	-0,726	-0,039
7995806	MT1A	metallothionein 1A	-0,726	-0,2
8129458	ARHGAP18	Rho GTPase activating protein 18	-0,727	-0,509
8042705	SMYD5	SMYD family member 5	-0,727	-0,337
7951545	EXPH5	exophilin 5	-0,728	-0,408
7914214	SNORA44	small nucleolar RNA, H/ACA box 44	-0,729	0,071
8097128	EXOSC9	exosome component 9	-0,729	-0,281
7924619	ENAH	enabled homolog (Drosophila)	-0,73	-0,392
8068478	CHAF1B	chromatin assembly factor 1, subunit B (p60)	-0,73	-0,199
8010978	LOC100130876	hypothetical LOC100130876	-0,731	0,094
7919761			-0,734	-0,112
8107307	CAMK4	calcium/calmodulin-dependent protein kinase IV	-0,734	-0,437
7938629	PDE3B	phosphodiesterase 3B, cGMP-inhibited	-0,735	-0,207
8103630	SH3RF1	SH3 domain containing ring finger 1	-0,736	-0,186
8153457	EEF1D	eukaryotic translation elongation factor 1 delta (guanine nucleotide exchange protein)	-0,736	0,19
8165705	ND6	NADH dehydrogenase, subunit 6 (complex I)	-0,736	-0,215
7910997	EXO1	exonuclease 1	-0,737	-0,217
8047518	NOP58	NOP58 ribonucleoprotein homolog (yeast)	-0,737	-0,259
8054437	ANAPC1	anaphase promoting complex subunit 1	-0,737	-0,345
8098150	C4orf43	chromosome 4 open reading frame 43	-0,738	-0,194
8117054	CAP2	CAP, adenylate cyclase-associated protein, 2 (yeast)	-0,738	-0,207
8006634	PIGW	phosphatidylinositol glycan anchor biosynthesis, class W	-0,739	-0,222
7915563	LOC100129492	hypothetical protein LOC100129492	-0,74	-0,468
8117426	HIST1H2BH	histone cluster 1, H2bh	-0,741	-1,089
8089038			-0,741	-0,294
8112914	DHFR	dihydrofolate reductase	-0,741	-0,294

8086222	SCN5A	sodium channel, voltage-gated, type V, alpha subunit	-0,742	-0,29
8128138	MDN1	MDN1, midasin homolog (yeast)	-0,742	-0,246
8096081	ENOPH1	enolase-phosphatase 1	-0,744	-0,19
7968563	RFC3	replication factor C (activator 1) 3, 38kDa	-0,745	-0,237
7909730	KCNK2	potassium channel, subfamily K, member 2	-0,747	-0,229
8016194	MAP3K14	mitogen-activated protein kinase kinase kinase 14	-0,747	-0,026
8105681	ERBB2IP	erbb2 interacting protein	-0,747	-0,351
8016476	HOXB9	homeobox B9	-0,749	-0,204
8081590	PHLDB2	pleckstrin homology-like domain, family B, member 2	-0,752	-0,301
7917359	ZNHIT6	zinc finger, HIT type 6	-0,754	-0,353
7933180	ZNF239	zinc finger protein 239	-0,756	-0,306
8122803			-0,757	-0,315
8051030	SLC5A6	solute carrier family 5 (sodium-dependent vitamin transporter), member 6	-0,758	-0,152
8089544	CCDC80	coiled-coil domain containing 80	-0,758	-0,307
7911038	ZNF238	zinc finger protein 238	-0,759	-0,13
8004804	PFAS	phosphoribosylformylglycinamidine synthase	-0,759	-0,362
8080419	GNL3	guanine nucleotide binding protein-like 3 (nucleolar)	-0,759	-0,123
7960438	ANO2	anoctamin 2	-0,761	-0,895
8052331	PNPT1	polyribonucleotide nucleotidyltransferase 1	-0,761	-0,252
8180034	TAP2	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	-0,761	-0,22
7907611	RASAL2	RAS protein activator like 2	-0,762	-0,305
8070615	WDR4	WD repeat domain 4	-0,762	-0,094
8020468	RBBP8	retinoblastoma binding protein 8	-0,763	-0,263
8159900	GLIS3	GLIS family zinc finger 3	-0,763	-0,157
8069003	PWP2	PWP2 periodic tryptophan protein homolog (yeast)	-0,764	-0,185
7943690	DDX10	DEAD (Asp-Glu-Ala-Asp) box polypeptide 10	-0,765	-0,422
8124484	HIST1H2BJ	histone cluster 1, H2bj	-0,765	-0,755
8163525	POLE3	polymerase (DNA directed), epsilon 3 (p17 subunit)	-0,765	-0,264
8127544	EEF1A1	eukaryotic translation elongation factor 1 alpha 1	-0,766	-0,045
8165911	TBL1X	transducin (beta)-like 1X-linked	-0,766	-0,397
8110450	HNRNPAB	heterogeneous nuclear ribonucleoprotein A/B	-0,769	-0,307
7977075	SNORA28	small nucleolar RNA, H/ACA box 28	-0,77	-0,121
8152340	NUDCD1	NudC domain containing 1	-0,77	-0,344
7902398	SNORD45A	small nucleolar RNA, C/D box 45A	-0,771	-0,122

8113010	CCNH	cyclin H	-0,771	-0,335
7982290			-0,772	-0,347
7995354	ORC6L	origin recognition complex, subunit 6 like (yeast)	-0,772	-0,384
8056890	CHN1	chimerin (chimaerin) 1	-0,773	-0,121
8046461	ZAK	sterile alpha motif and leucine zipper containing kinase AZK	-0,774	-0,453
7937483	SNORA52	small nucleolar RNA, H/ACA box 52	-0,774	-0,057
8035838	ZNF724P	zinc finger protein 724 pseudogene	-0,775	-0,471
8134904	POP7	processing of precursor 7, ribonuclease P/MRP subunit (<i>S. cerevisiae</i>)	-0,775	-0,204
8108422			-0,776	-0,13
8047243	MARS2	methionyl-tRNA synthetase 2, mitochondrial	-0,777	-0,178
8110920	FASTKD3	FAST kinase domains 3	-0,778	-0,568
7957260	GLIPR1	GLI pathogenesis-related 1	-0,779	-0,486
7940473	TMEM138	transmembrane protein 138	-0,782	-0,232
8041961	CHAC2	ChaC, cation transport regulator homolog 2 (<i>E. coli</i>)	-0,782	-0,371
8035628	NR2C2AP	nuclear receptor 2C2-associated protein	-0,783	-0,194
8041888	MSH6	mutS homolog 6 (<i>E. coli</i>)	-0,784	-0,158
7904364	WDR3	WD repeat domain 3	-0,785	-0,249
7981273	CCDC85C	coiled-coil domain containing 85C	-0,785	-0,241
7970473	XPO4	exportin 4	-0,786	-0,303
7946567			-0,787	-0,368
8152828	GSDMC	gasdermin C	-0,788	-0,316
8094938	NIPAL1	NIPA-like domain containing 1	-0,79	-0,171
7918517	WDR77	WD repeat domain 77	-0,791	-0,066
8124521	HIST1H4K	histone cluster 1, H4k	-0,795	-0,713
7914334	SNRNP40	small nuclear ribonucleoprotein 40kDa (U5)	-0,795	-0,19
7968915	GTF2F2	general transcription factor IIF, polypeptide 2, 30kDa	-0,796	-0,53
8121510	BXDC1	brix domain containing 1	-0,798	-0,348
8104758	C5orf23	chromosome 5 open reading frame 23	-0,801	-0,157
7974771	C14orf135	chromosome 14 open reading frame 135	-0,802	-0,362
8023727	DSEL	dermatan sulfate epimerase-like	-0,802	-0,143
7962427	PUS7L	pseudouridylate synthase 7 homolog (<i>S. cerevisiae</i>)-like	-0,803	-0,282
8044278	CCDC138	coiled-coil domain containing 138	-0,803	-0,262
7958211	C12orf45	chromosome 12 open reading frame 45	-0,808	-0,239
8009366	NOL11	nucleolar protein 11	-0,808	-0,284
7909568	DTL	denticleless homolog (<i>Drosophila</i>)	-0,809	-0,087
7974337			-0,809	-0,683

8055426	MCM6	minichromosome maintenance complex component 6	-0,812	-0,442
8138454	TWISTNB	TWIST neighbor	-0,813	-0,328
8138857	GGCT	gamma-glutamyl cyclotransferase	-0,814	-0,193
8000884	DCTPP1	dCTP pyrophosphatase 1	-0,816	-0,065
8052231			-0,816	-0,096
8153678	BOP1	block of proliferation 1	-0,816	-0,304
7968234	SNORA27	small nucleolar RNA, H/ACA box 27	-0,817	0,01
8104422	MTRR	5-methyltetrahydrofolate-homocysteine methyltransferase reductase	-0,817	-0,258
8166278	SCML1	sex comb on midleg-like 1 (<i>Drosophila</i>)	-0,819	-0,3
8171561	SCML2	sex comb on midleg-like 2 (<i>Drosophila</i>)	-0,819	-0,299
7897460	SLC25A33	solute carrier family 25, member 33	-0,82	-0,4
7991777	C4orf46	chromosome 4 open reading frame 46	-0,822	-0,228
8072242	NF2	neurofibromin 2 (merlin)	-0,822	-0,283
8117330	HIST1H3A	histone cluster 1, H3a	-0,822	-0,689
7985213	CHRNA5	cholinergic receptor, nicotinic, alpha 5	-0,823	-0,216
8041170			-0,825	-0,305
8135514	IFRD1	interferon-related developmental regulator 1	-0,827	-0,447
8025584	SNORD105	small nucleolar RNA, C/D box 105	-0,831	-0,207
8015796			-0,832	-0,186
8011861	DHX33	DEAH (Asp-Glu-Ala-His) box polypeptide 33	-0,834	-0,28
7970569	SACS	spastic ataxia of Charlevoix-Saguenay (sacsin)	-0,835	-0,21
8097792	SNORD73A	small nucleolar RNA, C/D box 73A	-0,836	-0,007
7948088	SLC25A33	solute carrier family 25, member 33	-0,838	-0,47
8017098			-0,838	0,033
8109830	CCDC99	coiled-coil domain containing 99	-0,838	-0,455
7959777	BRI3BP	BRI3 binding protein	-0,84	-0,172
8089954	IQCB1	IQ motif containing B1	-0,841	-0,219
7907847			-0,842	-0,116
8171879	LOC389842	similar to RanBP1	-0,844	-0,532
8155327	ALDH1B1	aldehyde dehydrogenase 1 family, member B1	-0,845	-0,134
8059319	FARSB	phenylalanyl-tRNA synthetase, beta subunit	-0,846	-0,403
8174975			-0,85	-0,35
8066254	LOC388796	hypothetical LOC388796	-0,853	-0,193
8132960			-0,853	-0,336
7926319	SUV39H2	suppressor of variegation 3-9 homolog 2 (<i>Drosophila</i>)	-0,854	-0,25
7930148	SFXN2	sideroflexin 2	-0,855	-0,534
8022996	KIAA1632	KIAA1632	-0,856	-0,569

8043413	RPIA	ribose 5-phosphate isomerase A	-0,858	-0,312
7922610	ABL2	v-abl Abelson murine leukemia viral oncogene homolog 2 (arg, Abelson-related gene)	-0,861	-0,407
8103485	NAF1	nuclear assembly factor 1 homolog (S. cerevisiae)	-0,864	-0,212
7944765			-0,866	-0,422
8117225	GMNN	geminin, DNA replication inhibitor	-0,867	-0,164
7978846	POLE2	polymerase (DNA directed), epsilon 2 (p59 subunit)	-0,868	-0,296
8115907	NOP16	NOP16 nucleolar protein homolog (yeast)	-0,868	-0,304
8018352	SLC25A19	solute carrier family 25 (mitochondrial thiamine pyrophosphate carrier), member 19	-0,869	-0,182
8080676	PDE12	phosphodiesterase 12	-0,871	-0,25
8039484	IL11	interleukin 11	-0,874	-0,201
7922414	SNORD76	small nucleolar RNA, C/D box 76	-0,875	0,023
8159854	KIAA0020	KIAA0020	-0,879	-0,368
7974164			-0,881	-0,232
8158998	RPL7A	ribosomal protein L7a	-0,881	-0,158
8120402	BAG2	BCL2-associated athanogene 2	-0,882	-0,23
8107204			-0,883	-0,408
8107563	PRR16	proline rich 16	-0,884	-0,35
8047161	OBFC2A	oligonucleotide/oligosaccharide-binding fold containing 2A	-0,885	-0,21
8171876	METTL1	methyltransferase like 1	-0,889	-0,191
7963333	KRT80	keratin 80	-0,89	-0,141
7965322	KITLG	KIT ligand	-0,89	0,022
8066247	LOC388796	hypothetical LOC388796	-0,891	-0,284
7938890	PRMT3	protein arginine methyltransferase 3	-0,893	-0,427
8165709			-0,893	-0,296
7929438	HELLS	helicase, lymphoid-specific	-0,894	-0,096
7962146	FAM60A	family with sequence similarity 60, member A	-0,896	-0,406
8100495	PPAT	phosphoribosyl pyrophosphate amidotransferase	-0,899	-0,293
7938291	SNORA3	small nucleolar RNA, H/ACA box 3	-0,9	0,168
8128322	NDUFAF4	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, assembly factor 4	-0,901	-0,225
8104912	SKP2	S-phase kinase-associated protein 2 (p45)	-0,902	-0,209
8115164			-0,903	0,056
8142061	PUS7	pseudouridylate synthase 7 homolog (S. cerevisiae)	-0,905	-0,142
8020825			-0,907	-0,192
8023259	SNORD58A	small nucleolar RNA, C/D box 58A	-0,913	-0,177
8156043	PSAT1	phosphoserine aminotransferase 1	-0,913	-0,332
8017096			-0,914	-0,155
8060501	SNORA51	small nucleolar RNA, H/ACA box	-0,916	0,109

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8133114	VKORC1L1	vitamin K epoxide reductase complex, subunit 1-like 1	-0,918	-0,187
7998129	POLR3K	polymerase (RNA) III (DNA directed) polypeptide K, 12.3 kDa	-0,924	-0,215
8097647	ABCE1	ATP-binding cassette, sub-family E (OABP), member 1	-0,925	-0,295
7900365	MFSD2	major facilitator superfamily domain containing 2	-0,927	-0,141
8120602	OGFRL1	opioid growth factor receptor-like 1	-0,927	-0,386
7925182	SNORA14B	small nucleolar RNA, H/ACA box 14B	-0,929	-0,14
8089247			-0,93	0,273
8083594	PTX3	pentraxin-related gene, rapidly induced by IL-1 beta	-0,932	-0,071
8124524	HIST1H2AK	histone cluster 1, H2ak	-0,94	-1,34
7926259	MCM10	minichromosome maintenance complex component 10	-0,94	-0,164
7998666	SNORA64	small nucleolar RNA, H/ACA box 64	-0,94	0,154
7998664	SNORA10	small nucleolar RNA, H/ACA box 10	-0,944	-0,1
8041204	SNORA10	small nucleolar RNA, H/ACA box 10	-0,944	-0,1
7940717	SLC3A2	solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2	-0,952	-0,383
8129677	SGK1	serum/glucocorticoid regulated kinase 1	-0,955	-0,366
8130580	SNORA29	small nucleolar RNA, H/ACA box 29	-0,956	0,048
8014241	SLFN12	schlafen family member 12	-0,965	-0,514
8151101	MYBL1	v-myb myeloblastosis viral oncogene homolog (avian)-like 1	-0,965	-0,438
8104625			-0,968	-0,235
8124391	HIST1H2AB	histone cluster 1, H2ab	-0,972	-1,357
7900510	CTPS	CTP synthase	-0,972	-0,264
7901050	SNORD38A	small nucleolar RNA, C/D box 38A	-0,972	-0,034
8150877	SNORD54	small nucleolar RNA, C/D box 54	-0,973	-0,003
7968232	SNORD102	small nucleolar RNA, C/D box 102	-0,976	-0,068
8055688	RND3	Rho family GTPase 3	-0,98	-0,508
7970513	C13orf3	chromosome 13 open reading frame 3	-0,98	-0,537
8003204	GINS2	GINS complex subunit 2 (Psf2 homolog)	-0,98	-0,494
8076219	SNORD83B	small nucleolar RNA, C/D box 83B	-0,98	0,076
7904572			-0,983	-0,447
8085407	RPL32	ribosomal protein L32	-0,984	-0,062
7952339	LOC85389	RNA, small nucleolar	-0,986	-0,067
8007071	CDC6	cell division cycle 6 homolog (S. cerevisiae)	-0,987	-0,103

8113120	TOB2	transducer of ERBB2, 2	-0,988	-0,447
8165707	TOB2	transducer of ERBB2, 2	-0,988	-0,447
7913852	C1orf135	chromosome 1 open reading frame 135	-0,989	-0,327
8005202	SNORD49A	small nucleolar RNA, C/D box 49A	-0,989	-0,17
8042381	PNO1	partner of NOB1 homolog (S. cerevisiae)	-0,989	-0,353
7970810	SLC7A1	solute carrier family 7 (cationic amino acid transporter, y+ system), member 1	-0,992	-0,441
8091648	SSR3	signal sequence receptor, gamma (translocon-associated protein gamma)	-0,996	-0,338
8041168	SNORD53	small nucleolar RNA, C/D box 53	-0,997	-0,47
7929383	TMEM20	transmembrane protein 20	-0,999	-0,158
7914202	SNHG12	small nucleolar RNA host gene 12 (non-protein coding)	-1	0,09
8169115	NRK	Nik related kinase	-1,002	-0,524
8117543	HIST1H2AH	histone cluster 1, H2ah	-1,005	-0,872
7909782	RRP15	ribosomal RNA processing 15 homolog (S. cerevisiae)	-1,009	-0,533
8060484	NOP56	NOP56 ribonucleoprotein homolog (yeast)	-1,01	-0,101
8106193	UTP15	UTP15, U3 small nucleolar ribonucleoprotein, homolog (S. cerevisiae)	-1,011	-0,393
8030366	SNORD35A	small nucleolar RNA, C/D box 35A	-1,014	0,019
8152867	ASAP1	ArfGAP with SH3 domain, ankyrin repeat and PH domain 1	-1,026	-0,532
8101429	PLAC8	placenta-specific 8	-1,027	-0,277
8146685	RRS1	RRS1 ribosome biogenesis regulator homolog (S. cerevisiae)	-1,027	-0,243
7924476	TAF1A	TATA box binding protein (TBP)-associated factor, RNA polymerase I, A, 48kDa	-1,03	-0,411
8116848	PAK1IP1	PAK1 interacting protein 1	-1,033	-0,385
7947230	BDNF	brain-derived neurotrophic factor	-1,035	-0,483
8090565	SNORA7B	small nucleolar RNA, H/ACA box 7B	-1,035	0,191
7957890	UTP20	UTP20, small subunit (SSU) processome component, homolog (yeast)	-1,036	-0,38
8165974	CLCN4	chloride channel 4	-1,036	-0,394
8124385	HIST1H4B	histone cluster 1, H4b	-1,042	-0,919
7957298	NAV3	neuron navigator 3	-1,046	-0,339
8144036	XRCC2	X-ray repair complementing defective repair in Chinese hamster cells 2	-1,047	-0,215
7914212	SNORA61	small nucleolar RNA, H/ACA box 61	-1,055	0,164

8115410	GEMIN5	gem (nuclear organelle) associated protein 5	-1,058	-0,284
7950983	CHORDC1	cysteine and histidine-rich domain (CHORD)-containing 1	-1,06	-0,417
8096050	FGF5	fibroblast growth factor 5	-1,068	-0,211
7942592	SNORD15A	small nucleolar RNA, C/D box 15A	-1,074	0,141
8107326	SNORA13	small nucleolar RNA, H/ACA box 13	-1,075	-0,042
8124394	HIST1H2BB	histone cluster 1, H2bb	-1,077	-1,402
7916018			-1,085	0,056
7942832	C11orf82	chromosome 11 open reading frame 82	-1,087	-0,511
8084064	MTHFD2	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 2, methenyltetrahydrofolate cyclohydrolase	-1,09	-0,507
8084708	SNORA4	small nucleolar RNA, H/ACA box 4	-1,09	-0,06
7906919	RGS4	regulator of G-protein signaling 4	-1,091	-0,227
7902396	SNORD45C	small nucleolar RNA, C/D box 45C	-1,093	-0,039
7989915	TIPIN	TIMELESS interacting protein	-1,093	-0,398
7938293	SNORA45	small nucleolar RNA, H/ACA box 45	-1,096	-0,047
8147049	FABP5	fatty acid binding protein 5 (psoriasis-associated)	-1,098	-0,478
8108180			-1,099	-0,397
8042830	MTHFD2	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 2, methenyltetrahydrofolate cyclohydrolase	-1,1	-0,501
8046488	CDCA7	cell division cycle associated 7	-1,103	-0,454
7948420	FABP5	fatty acid binding protein 5 (psoriasis-associated)	-1,11	-0,502
7958375			-1,119	0,133
7957551	SOCS2	suppressor of cytokine signaling 2	-1,148	-0,489
8174715	SNORA69	small nucleolar RNA, H/ACA box 69	-1,155	-0,105
7969576	MIRHG1	microRNA host gene 1 (non-protein coding)	-1,16	-0,229
8023575	CCBE1	collagen and calcium binding EGF domains 1	-1,166	-0,451
8015210	KRTAP2-4	keratin associated protein 2-4	-1,17	-0,478
8019576	KRTAP2-4	keratin associated protein 2-4	-1,17	-0,478
8106820	POLR3G	polymerase (RNA) III (DNA directed) polypeptide G (32kD)	-1,174	-0,502
8005955	SNORD42A	small nucleolar RNA, C/D box 42A	-1,177	-0,176
8139456	SNORA9	small nucleolar RNA, H/ACA box 9	-1,178	0,036
8092067	RPL22L1	ribosomal protein L22-like 1	-1,179	-0,504
7997491	HSD17B2	hydroxysteroid (17-beta) dehydrogenase 2	-1,196	-0,381
8048870	WDR69	WD repeat domain 69	-1,198	-0,694
8092765	C3orf59	chromosome 3 open reading frame	-1,199	-0,441

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7974335			-1,209	-0,756
8053646			-1,211	-0,239
8136347	CALD1	caldesmon 1	-1,218	-0,743
8078916	SNORA6	small nucleolar RNA, H/ACA box 6	-1,228	0,037
7902400	SNORD45B	small nucleolar RNA, C/D box 45B	-1,23	-0,235
7903022	SNORD21	small nucleolar RNA, C/D box 21	-1,234	-0,056
7948902	SNORD29	small nucleolar RNA, C/D box 29	-1,245	-0,135
7922402	SNORD47	small nucleolar RNA, C/D box 47	-1,253	-0,179
8124537	HIST1H3J	histone cluster 1, H3j	-1,258	-1,157
8039025	ZNF702P	zinc finger protein 702 pseudogene	-1,259	-0,443
8052355	EFEMP1	EGF-containing fibulin-like extracellular matrix protein 1	-1,274	-0,637
8159004	RPL7A	ribosomal protein L7a	-1,275	-0,206
8023598	RNF152	ring finger protein 152	-1,28	-0,053
8032749	SNORD37	small nucleolar RNA, C/D box 37	-1,295	-0,308
8003298	SLC7A5	solute carrier family 7 (cationic amino acid transporter, y+ system), member 5	-1,309	-0,329
8084704	EIF4A2	eukaryotic translation initiation factor 4A, isoform 2	-1,309	-0,131
8078918	SNORA62	small nucleolar RNA, H/ACA box 62	-1,331	-0,101
8076221	SNORD83A	small nucleolar RNA, C/D box 83A	-1,338	-0,204
8086880	CDC25A	cell division cycle 25 homolog A (S. pombe)	-1,345	-0,246
8118322	SNORD52	small nucleolar RNA, C/D box 52	-1,354	0,061
8081235	COL8A1	collagen, type VIII, alpha 1	-1,362	-0,474
8083690	IL12A	interleukin 12A (natural killer cell stimulatory factor 1, cytotoxic lymphocyte maturation factor 1, p35)	-1,367	-0,524
7956269			-1,368	-0,193
7922406	SNORD79	small nucleolar RNA, C/D box 79	-1,404	-0,184
8010080	SNORD1B	small nucleolar RNA, C/D box 1B	-1,408	0,087
8005953	SNORD4A	small nucleolar RNA, C/D box 4A	-1,419	-0,298
8030364	SNORD34	small nucleolar RNA, C/D box 34	-1,425	0,07
8164215	SNORA65	small nucleolar RNA, H/ACA box 65	-1,437	0,124
7922410	SNORD44	small nucleolar RNA, C/D box 44	-1,465	-0,246
8159006	RPL7A	ribosomal protein L7a	-1,466	-0,093
7956759	SRGAP1	SLIT-ROBO Rho GTPase activating protein 1	-1,486	-0,672
8136200	CPA4	carboxypeptidase A4	-1,496	-0,361
8115732	UNQ9374	VCEW9374	-1,5	-0,538
8150698	SNAI2	snail homolog 2 (Drosophila)	-1,508	-0,354
8005957	SNORD4B	small nucleolar RNA, C/D box 4B	-1,516	-0,093
8067140	CYP24A1	cytochrome P450, family 24, subfamily A, polypeptide 1	-1,536	-0,882
7922404	SNORD80	small nucleolar RNA, C/D box 80	-1,551	-0,297
8010082	SNORD1A	small nucleolar RNA, C/D box 1A	-1,556	-0,207

8127989	SNORD50B	small nucleolar RNA, C/D box 50B	-1,561	-0,209
8117594	HIST1H2BM	histone cluster 1, H2bm	-1,563	-1,877
8005951	SNORD42B	small nucleolar RNA, C/D box 42B	-1,591	-0,175
8047778	SNORD51	small nucleolar RNA, C/D box 51	-1,601	0,108
7901052	SNORD38B	small nucleolar RNA, C/D box 38B	-1,613	-0,425
8175432	SNORD61	small nucleolar RNA, C/D box 61	-1,618	0,126
8122142	SNORD101	small nucleolar RNA, C/D box 101	-1,626	-0,252
8059708	SNORA75	small nucleolar RNA, H/ACA box 75	-1,671	-0,124
7922418	SNORD74	small nucleolar RNA, C/D box 74	-1,672	-0,153
7922400			-1,687	-0,114
7982597	THBS1	thrombospondin 1	-1,741	-0,4
7922408	SNORD78	small nucleolar RNA, C/D box 78	-1,745	-0,127
8076223	SNORD43	small nucleolar RNA, C/D box 43	-1,765	-0,147
8112202	PLK2	polo-like kinase 2 (<i>Drosophila</i>)	-1,772	-0,331
8122144	SNORA33	small nucleolar RNA, H/ACA box 33	-1,805	-0,037
7948900	SNORD30	small nucleolar RNA, C/D box 30	-1,834	-0,032
7948898	SNORD31	small nucleolar RNA, C/D box 31	-1,867	-0,049
8116921	EDN1 *	endothelin 1	-1,874	-0,785
7952335	LOC85391	RNA, small nucleolar	-1,884	0,112
7948896	SNORD22	small nucleolar RNA, C/D box 22	-1,905	-0,088
8108420	SNORA74A	small nucleolar RNA, H/ACA box 74A	-1,928	-0,135
7948908	SNORD26	small nucleolar RNA, C/D box 26	-1,972	-0,036
8063345	SNORD12C	small nucleolar RNA, C/D box 12C	-1,992	-0,009
7922416	SNORD75	small nucleolar RNA, C/D box 75	-1,998	-0,099
8059710	SNORD20	small nucleolar RNA, C/D box 20	-2,025	-0,402
7922412	SNORD77	small nucleolar RNA, C/D box 77	-2,036	-0,261
7902495	NEXN	nexilin (F actin binding protein)	-2,076	-0,534
7948910	SNORD25	small nucleolar RNA, C/D box 25	-2,099	-0,176
7948906	SNORD27	small nucleolar RNA, C/D box 27	-2,14	-0,07
7909789	TGFB2	transforming growth factor, beta 2	-2,149	-0,552
8059712	SNORD82	small nucleolar RNA, C/D box 82	-2,15	-0,056
8104901	IL7R	interleukin 7 receptor	-2,174	-0,872

