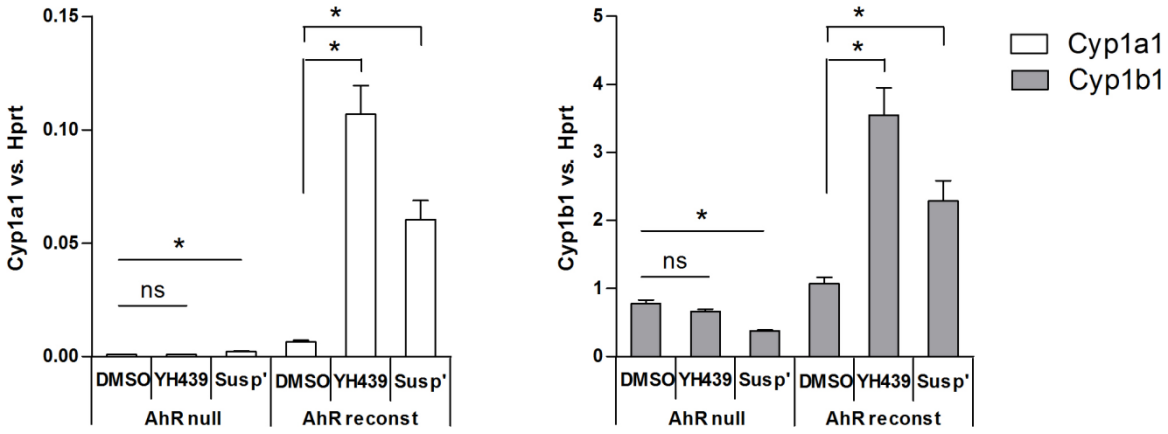
Xenobiotics and Loss of Cell Adhesion Drive Distinct Transcriptional Outcomes by Aryl Hydrocarbon Receptor Signaling

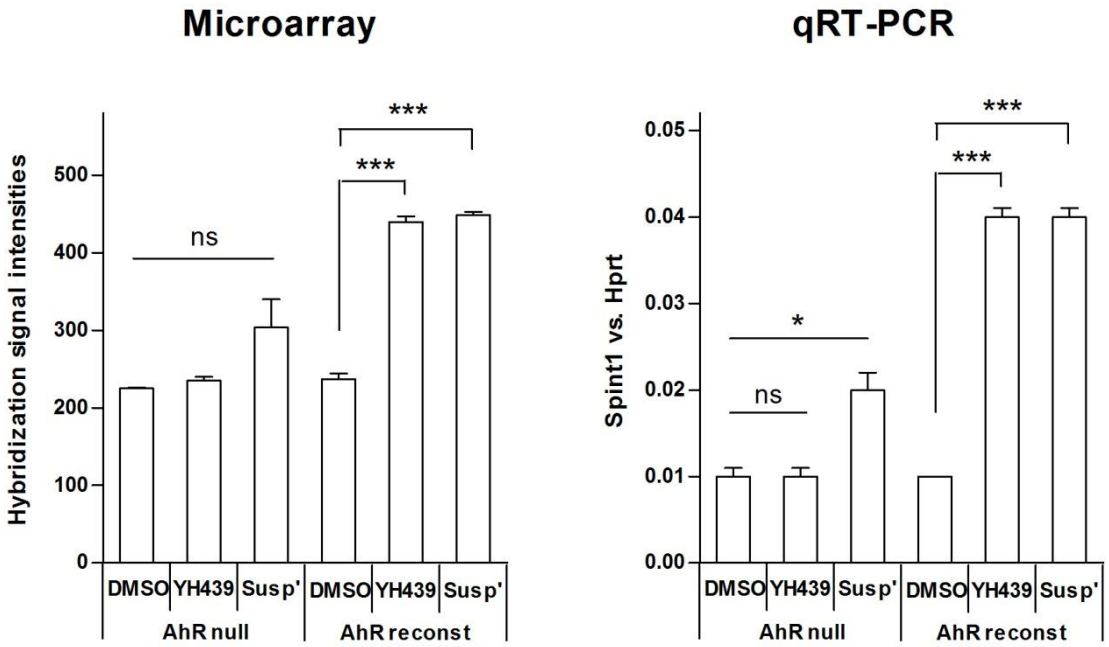
Nan Hao, Kian Leong Lee, Sebastian G. B. Furness, Cecilia Bosdotter, Lorenz Poellinger, and Murray L. Whitelaw

Molecular Pharmacology

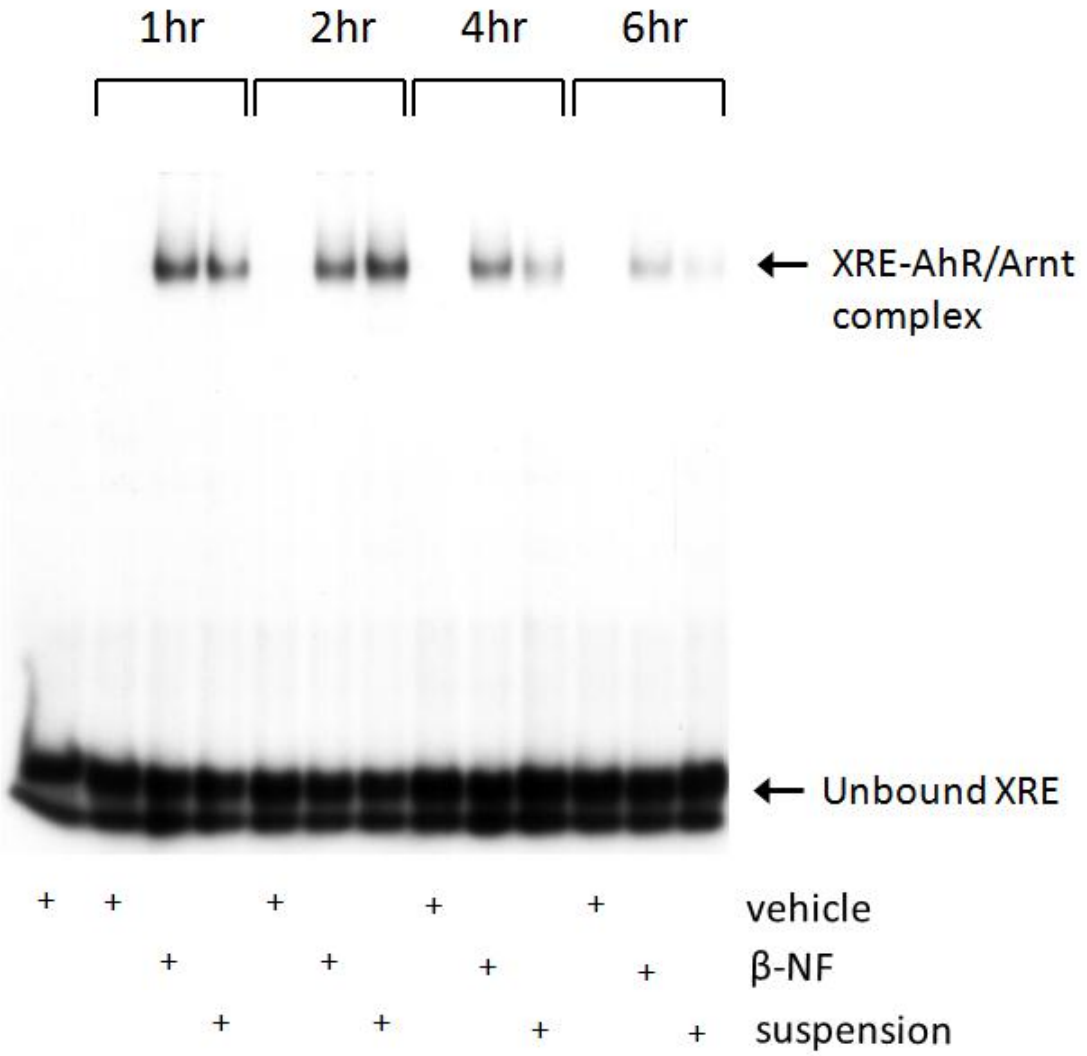
Supplemental Figure 1



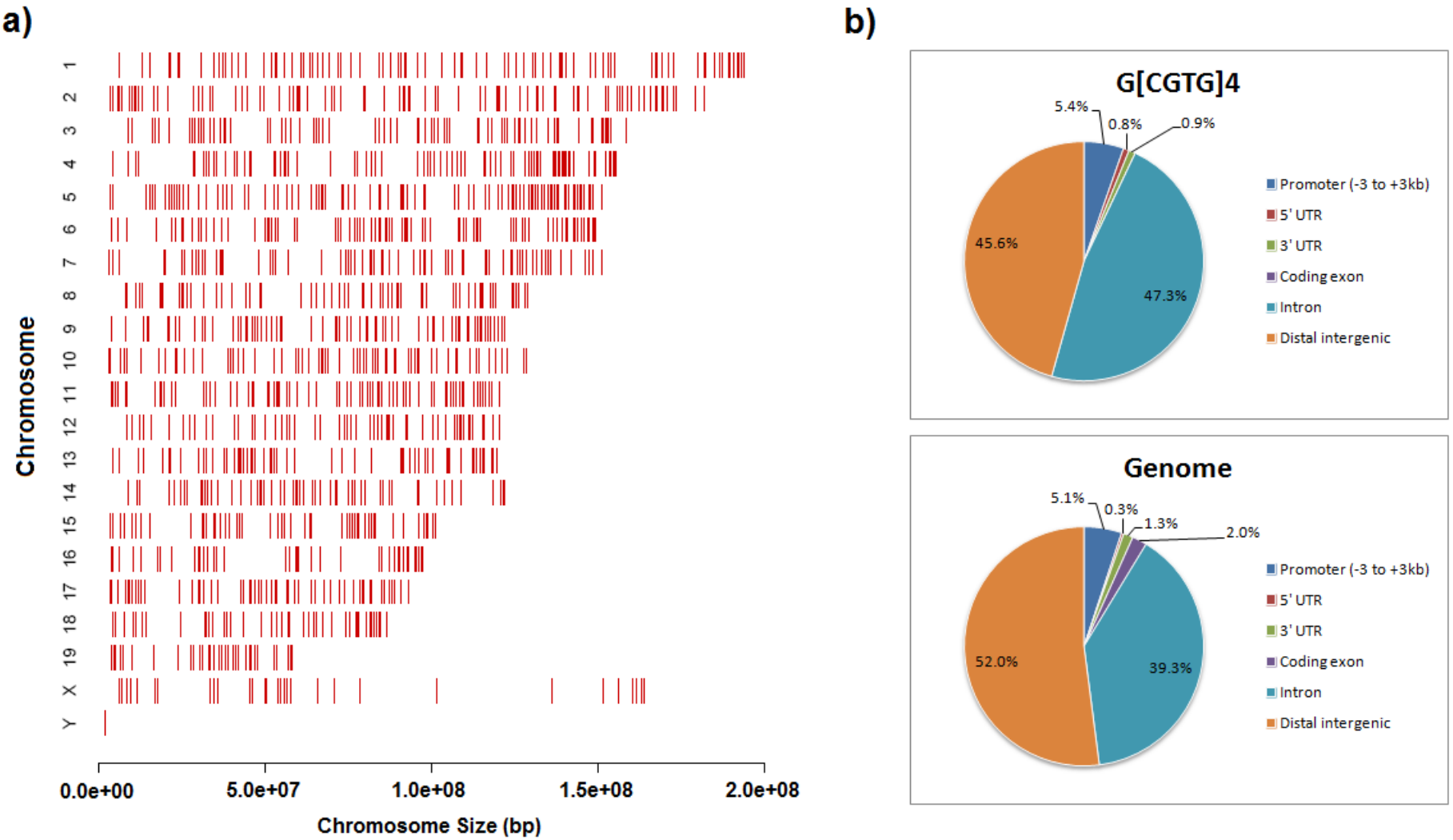
Supplemental Figure 1: Validation of microarray RNA samples by real time qRT-PCR in AhR null and AhR reconstituted hepatocytes. Both *Cyp1a1* and *Cyp1b1* genes were significantly upregulated by 8 h of YH439 (10μM) or suspension treatments in the AhR reconstituted AhR null mouse hepatocytes. Data show mean ± SEM, n=3, *p<0.05. ns, not statistically significant.



Supplemental Figure 2: *Spint1* gene is reproducibly upregulated in reconstituted hepatocytes that were treated with either YH439 (10 μM) or grown as suspension cultures for 8 h. Data show mean ± SEM, n=3. Significant differences were identified using unpaired Student's *t*-test, and the levels of significance are shown as *p<0.05, and ***p<0.001. ns, not statistically significant.



Supplemental Figure 3: Suspension induced AhR/Arnt DNA binding complex formation is more transient than that induced by AhR ligand β-NF. Hepa-1c1c7 cells were treated with vehicle alone (DMSO, 0.1%), β-NF (10 μM) or grown in suspension cultures for the durations indicated. Nuclear extracts were prepared and subjected to electrophoretic mobility shift assay for binding to ^{32}P labeled XRE.



Supplemental Figure 4: Mapping of XRE concatemers in the mouse genome. A, chromosomal distribution of XRE concatemers with at least 4 repeats of GCGTG (i.e. G[CGTG]n, n ≥ 4). B, frequency distribution of XRE concatemers at promoter, 5'UTR, 3'UTR, coding exon, intron and distal intergenic regions (upper panel), which is remarkably similar to that of the genome average of these features (bottom panel).

Supplemental Table 1: Normalised microarray data.

PROBE_ID	SYMBOL	ACCESSION	AhR null DMSO rep1	AhR null DMSO rep2	AhR null DMSO rep3	AhR null YH439 rep1	AhR null YH439 rep2	AhR null YH439 rep3	AhR null Susp rep1	AhR null Susp rep2	AhR null Susp rep3	AhR Reconst DMSO rep1	AhR Reconst DMSO rep2	AhR Reconst DMSO rep3	AhR Reconst YH439 rep1	AhR Reconst YH439 rep2	AhR Reconst YH439 rep3	AhR Reconst Susp rep1	AhR Reconst Susp rep2	AhR Reconst Susp rep3	*t*-test AhR null YH439/DMSO	*t*-test AhR null Susp/DMSO	*t*-test AhR Reconst YH439/DMSO	*t*-test AhR Reconst Susp/DMSO
ILMN_2697552	Pde4b	NM_019840.2	29.92	44.89	22.22	95.91	97.63	50.80	33.73	45.95	20.00	25.01	20.00	27.33	37.38	44.49	57.44	20.00	24.85	39.55	0.04	0.93	0.02	0.56
ILMN_2542048	LOC382555	XM_356566.1	20.00	22.87	20.00	41.16	48.37	27.19	20.00	31.80	20.00	33.62	38.62	50.65	21.97	43.48	35.33	31.74	24.49	29.91	0.05	0.50	0.41	0.09
ILMN_1259612	Pfas	XM_908501.3	20.35	22.08	28.16	33.37	33.45	42.11	35.23	29.92	37.13	41.25	41.98	34.20	24.77	33.90	35.88	47.57	41.65	33.96	0.03	0.03	0.15	0.70
ILMN_1236755	A630002D19Rik	AK041330	20.00	28.95	22.21	37.00	35.18	37.32	42.01	46.33	70.23	26.44	38.95	34.84	32.49	38.96	43.83	56.74	44.34	62.41	0.01	0.03	0.37	0.03
ILMN_2684465	2310043J07Rik	XM_916650.3	20.00	26.72	21.40	29.47	36.31	39.15	40.67	31.90	31.77	44.45	24.53	31.87	27.28	26.51	20.00	31.91	33.01	29.60	0.03	0.03	0.22	0.74
ILMN_1235735	Slco3a1	NM_023908.2	20.00	20.00	26.70	42.89	38.20	49.69	20.65	20.00	20.00	40.68	27.77	46.20	20.00	40.10	41.89	36.89	26.81	20.00	0.01	0.42	0.66	0.23
ILMN_3063644	Syt11	NM_018804.3	21.29	21.46	20.00	35.65	32.42	42.69	20.79	20.00	32.64	21.62	24.46	24.81	20.00	23.01	43.48	20.00	20.00	20.00	0.01	0.44	0.52	0.02
ILMN_2544890	Pde4b	AK011999	211.51	207.77	219.98	376.74	346.14	361.09	255.56	223.90	246.56	239.50	179.29	212.58	346.93	283.23	298.16	205.28	181.37	179.76	0.00	0.05	0.02	0.32
ILMN_2475832	Utrn	NM_011682.4	22.08	20.00	20.00	39.33	31.21	27.95	20.00	20.00	21.41	37.19	25.62	22.26	20.00	20.00	20.00	31.49	24.44	28.80	0.02	0.80	0.14	0.98
ILMN_2671214	Salf-pending	XM_140120.4	20.00	20.00	32.45	34.72	36.03	39.87	20.00	20.00	20.00	34.03	41.87	24.70	26.29	26.42	33.45	20.00	20.00	20.00	0.05	0.37	0.43	0.05
ILMN_2534807	LOC331336	XM_285594.2	20.00	20.00	21.24	30.72	31.78	32.85	23.25	20.00	20.82	44.96	20.00	20.00	24.63	20.00	35.40	21.02	20.00	20.00	0.00	0.42	0.87	0.39
ILMN_1215970	Osbpl1a	NM_207530.1	20.00	20.00	24.04	28.33	31.32	38.91	41.31	32.52	69.18	44.92	39.08	25.96	27.99	33.18	34.87	55.34	54.60	38.51	0.03	0.08	0.48	0.18
ILMN_1219869	Il15	NM_008357.1	20.00	20.00	20.00	25.54	29.77	37.56	20.00	20.00	26.86	20.24	21.38	20.00	20.53	20.00	21.29	20.00	20.00	20.00	0.04	0.37	0.91	0.28
ILMN_2675800	Svil	NM_153153.1	33.83	27.47	38.26	52.23	41.39	57.88	20.62	33.01	20.00	45.42	46.70	28.28	20.00	38.37	37.59	36.91	20.21	30.52	0.04	0.18	0.39	0.23
ILMN_2479977	2310040A07Rik	XM_912979.2	20.00	23.61	23.55	38.90	26.23	37.66	27.15	20.00	20.00	28.73	37.32	20.00	20.00	27.16	29.33	20.70	20.00	20.00	0.05	1.00	0.61	0.17
ILMN_2619952	Mmp10	NM_019471.2	90.17	66.73	72.88	133.57	127.09	149.15	53.99	39.29	21.46	60.20	69.25	65.45	79.55	71.21	80.04	42.47	30.93	28.78	0.00	0.03	0.04	0.00
ILMN_2742861	Serpina3f	NM_001033335.2	63.66	62.41	71.27	103.37	93.27	142.89	25.32	37.85	74.04	20.00	37.55	29.63	32.24	41.06	36.57	20.00	32.16	20.00	0.04	0.25	0.25	0.48
ILMN_2621448	Adh7	NM_009626.3	229.58	207.81	262.31	226.44	202.12	317.04	415.57	442.93	655.91	650.14	489.48	590.25	1903.48	1858.29	1780.82	2190.39	1951.72	1771.63	0.71	0.02	0.00	0.00
ILMN_1224637	Foxq1	NM_008239.3	76.59	54.29	93.45	57.38	60.91	76.25	132.32	188.99	235.46	128.63	155.87	166.81	333.03	294.68	345.76	475.93	376.54	375.20	0.48	0.03	0.00	0.00
ILMN_2736471	Ccno	NM_001081062.1	20.00	26.01	20.00	36.69	20.00	22.66	36.89	41.97	70.10	33.49	29.18	42.36	176.69	141.94	141.95	100.89	96.40	82.70	0.47	0.06	0.00	0.00
ILMN_2726371	Nqo1	NM_008706.4	65.25	42.00	70.82	62.11	49.03	74.19	51.67	36.34	53.48	132.21	97.05	112.76	274.63	230.14	239.10	244.58	191.05	232.00	0.84	0.30	0.00	0.00
ILMN_2699367	1190005I06Rik	NM_197988.1	41.10	52.90	76.18	52.92	75.97	71.44	31.24	20.00	55.28	108.01	92.49	104.43	174.56	172.98	158.60	95.85	80.09	89.82	0.47	0.22	0.00	0.12
ILMN_2954474	Enpp2	NM_015744.1	96.98	109.01	75.93	140.12	133.81	129.34	248.95	329.31	266.72	50.48	66.19	71.59	118.16	108.59	93.56	290.18	281.89	284.12	0.02	0.00	0.01	0.00
ILMN_2701664	Tsc22d3	NM_010286.3	298.57	301.84	389.57	362.91	332.39	558.47	545.31	549.58	707.63	343.14	409.71	310.79	606.65	771.50	589.32	759.14	761.57	625.61	0.32	0.01	0.01	0.00
ILMN_2718716	Kif21a	NM_016705.2	193.52	247.50	259.61	267.23	292.53	291.89	416.74	491.66	518.29	286.88	291.05	295.27	482.56	496.73	482.82	547.76	578.86	562.72	0.08	0.00	0.00	0.00
ILMN_1239055	Xdh	NM_011723.2	792.23	772.33	860.65	997.41	957.88	937.52	1321.95	1422.66	1815.11	818.20	864.74	858.07	1391.43	1410.32	1299.82	1749.39	1893.36	1700.03	0.01	0.01	0.00	0.00
ILMN_1218264	Vldlr	NM_013703.1	75.59	56.58	67.74	76.40	73.76	83.26	310.17	256.93	321.19	98.60	76.14	78.44	130.51	123.60	134.28	304.19	267.03	255.25	0.15	0.00	0.00	0.00
ILMN_2440335	4933433H22Rik		20.00	20.00	20.00	20.00	31.89	20.00	45.42	40.67	45.13	20.00	21.30	20.00	30.78	37.98	32.65	83.12	78.57	52.94	0.37	0.00	0.00	0.01
ILMN_2752994	Fbxo32	NM_026346.1	38.47	38.43	57.00	49.72	44.05	59.47	148.68	158.65	208.25	24.03	35.09	47.66	55.68	58.09	59.64	150.07	153.29	124.45	0.45	0.00	0.03	0.00
ILMN_2649550	Ccdc85b	NM_198616.2	117.02	122.53	146.23	132.63	124.69	193.48	503.21	609.25	904.96	212.07	151.90	192.96	317.93	270.69	298.41	1185.32	1207.48	1184.26	0.41	0.01	0.01	0.00
ILMN_2875585	Prl2c3	NM_011118.1	265.82	322.52	354.09	284.70	356.68	441.06	2641.44	3056.74	3787.79	360.68	413.24	377.41	642.68	703.70	667.46	5779.72	4468.83	4441.90	0.42	0.00	0.00	0.00
ILMN_1259967	Prl2c2	NM_031191.1	110.72	153.72	116.17	114.49	168.22	125.20	1513.66	1494.13	1475.73	159.41	154.30	186.54	285.74	326.88	337.43	2030.41	2047.59	2008.10	0.69	0.00	0.00	0.00
ILMN_1216764	Ier3	NM_133662.2	1333.95	1434.85	1544.70	1403.08	1401.80	1784.69	4329.78	4639.85	5967.13	2238.91	2023.06	1902.85	3246.55	3420.91	3017.77	6461.76	7151.76	7059.16	0.55	0.00	0.00	0.00
ILMN_2729015	LOC100048436	XR_034485.1	92.65	92.40	78.30	96.89	102.60	79.97	268.28	272.48	245.83	113.73	87.82	85.42	155.28	167.02	180.02	279.60	224.44	252.56	0.55	0.00	0.00	0.00
ILMN_1219823	Glis1	NM_147221.2	38.65	32.15	60.92	39.64	37.64	59.57	132.83	94.65	123.15	41.34	58.38	53.21	80.50	78.72	83.10	196.42	170.82	148.45	0.89	0.01	0.00	0.00
ILMN_3011353	Mbp	NM_001025245.1	129.29	119.37	119.75	123.12	135.16	130.12	270.43	241.50	314.20	176.70	135.52	153.82	252.53	230.99	226.48	288.28	324.05	282.43	0.23	0.00	0.00	0.00
ILMN_2617996	Prl2c2	NM_031191.1	407.82	436.79	408.67	443.89	507.38	364.64	3465.72	4525.85	3546.25	377.45	506.59	516.49	776.48	881.16	959.72	5613.07	5766.23	5902.95	0.65	0.00	0.00	0.00
ILMN_2996648	Prl2c4	NM_011954.2	200.41	231.69	266.46	188.78	257.81	272.53	1965.04	2354.32	2436.69	256.59	311.28	295.40	393.22	560.21	475.38	3932.43	3377.56	3161.10	0.84	0.00	0.02	0.00
ILMN_1259632	Col20a1	XM_181390.5	26.04	20.00	20.00	20.95	26.23	20.00	59.72	72.09	48.77	20.00	20.00	20.00	28.74	36.48	39.41	40.09	55.74	56.33	0.90	0.01	0.01	0.00
ILMN_2589291	Tiparp	NM_178892.5	54.92	56.55	27.26	50.95	55.52	31.18	118.87	133.95	79.93	45.01	48.83	36.59	148.54	154.95	169.81	196.03	120.41	157.65	0.98	0.03	0.00	0.01
ILMN_2673332	9530051K01Rik	XM_485965	78.88	79.11	92.01	70.42	69.71	106.67	138.12	118.30	186.27	111.81	99.49	109.89	164.70	158.52	166.27	191.63	196.46	172.86	0.94	0.04	0.00	0.00
ILMN_2806439	Slc17a8	NM_182959.2	29.28	30.03	51.81	20.81	21.97	64.24	109.29	110.19	127.41	49.88	32.43	33.68	84.65	66.45	55.57	90.29	89.32	75.11	0.94	0.00	0.04	0.00
ILMN_2758264	Cyp2s1	NM_028775.3	40.08	20.00	23.27	22.97	20.00	20.00	42.44	52.55	57.46	20.00	23.80	20.00	30.95	34.39	34.79	33.99	54.35	47.64	0.34	0.04	0.00	0.02
ILMN_1228358	Wee1	NM_009516.3	98.59	69.02	20.00	138.98	142.19	36.56	146.80	129.47	28.52	31.78	30.16	30.40	45.14	44.06	54.57	69.37	51.83	96.41	0.36	0.42	0.01	0.03
ILMN_2942930	Ccrk	NM_053180.2	20.00	35.47	29.61	36.61	38.90	25.79	49.94	44.59	27.71	21.10	28.27	20.26	36.88	44.51	40.50	72.80	64.23	66.97	0.42	0.20	0.01	0.00
ILMN_1253012	Rbm3	NM_016809.2	20.00	20.00	21.77	20.00	20.31	36.49	20.27	26.30	39.02	25.06	20.04	20.86	36.64	37.67	29.98	37.46	36.45	37.56	0.41	0.23	0.01	0.00
ILMN_2734452	Shq1	NM_181590.3	48.81	41.72	84.05	53.21	47.67	93.43	47.85	66.17	73.89	61.53	66.85	65.13	108.91	77.65	109.56	117.28	104.87	79.41	0.75	0.78	0.03	0.03
ILMN_1253178	Aldh3a1	NM_007436.1	686.39	757.78	731.16	753.48	799.59	848.31	701.91	839.15	952.73	691.79	783.75	743.90	3542.62	3898.36	3734.23	2501.80	2222.37	2509.62	0.09	0.23	0.00	0.00
ILMN_2653725	LOC100046802	XM_001476835.1	718.43	679.12	524.28	697.64	726.00	617.33	583.65	571.15	531.83	554.50	552.86	603.53	1223.92	1293.40	1497.78	919.03	1022.91	1165.55	0.59	0.27	0.00	0.00
ILMN_2724339	Dtna	NM_207650.3	79.10	83.16	100.10	81.97	79.33	123.62	98.23	99.55	149.52	87.23	94.50	84.70	144.75	160.10	145.46	229.50	148.53	151.39	0.66	0.19	0.00	0.03
ILMN_2635784	Gpc1	NM_016696.3	2819.16	2984.75	3355.19	3117.51	3048.82	3554.82	3506.35	3163.95	3676.86	3999.57	3843.88	3812.30	6905.64	7526.13	7124.71	6059.68	5877.94	5941.69	0.45	0.14	0.00	0.00
ILMN_3142391	3110004L20Rik	NM_001033167.1	59.70	34.27	46.91	39.57	40.98	69.17	54.31	66.98	105.45	104.65	59.63	81.77	188.65	127.99	146.90	150.92	157.19	157.81	0.82	0.17	0.03	0.01
ILMN_2854943	Gprc5a	NM_181444.3	174.71	159.39	180.56	157.17	178.98	203.95	195.18	178.18	215.45	247.04	218.36	210.82	423.32	338.53	332.97	440.52	454.79	317.51	0.60	0.12	0.01	0.02
ILMN_1237186	Spint1	NM_016907.3	227.50	223.02	225.49	243.49	224.75	235.98	242.79	301.73	367.47	225.19	249.64	235.09	453.99	436.43	429.95	455.05	441.09	452.13	0.17	0.09	0.00	0.00
ILMN_1241924	Arl6ip5	NM_022992.2	1605.75	1836.70	1971.89	1603.29	1750.59	1702.06	1834.01	1829.21	1857.69	2197.70	2474.37	2219.90	3492.00	3765.53	3621.08	3903.97	3722.64	3472.80	0.36	0.76	0.00	0.00
ILMN_1231605	B3galnt2	NM_178640.2	37.08	41.49	35.22	41.38	31.17	22.47	32.32	28.35	20.00	26.14	33.45	44.94	77.94	85.04	72.60	66.22	57.09	53.66	0.34	0.05	0.00	0.02
ILMN_3142257	Mtus1	NM_001005864.2	39.40	20.00	39.17	60.89	45.65	52.04	47.10	52.00	42.50	37.11	22.76	31.50	58.95	45.47	60.61	39.13	46.43	35.90	0.06	0.11	0.02	0.13
ILMN_2865704	Vcan	NM_001081249.1	97.12	96.28	111.66	121.63	132.87	168.12	88.01	88.04	92.93	129.56	110.09	88.55	251.58	223.09	208.27	108.69	97.58	88.07	0.06	0.08	0.00	0.44
ILMN_1242370	Fgl1	NM_145594	92.03	82.83	84.27	117.05	128.71	104.43	78.66	80.06	103.69	57.13	70.55	60.90	105.57	91.10	102.47	64.90	62.59	65.84	0.02	0.91	0.00	0.72
ILMN_2629266	Por	NM_008898.1	22.61	20.00	37.31	39.09	23.95	43.23	24.74	20.00	29.73	23.91	21.76	33.78	46.50	62.71	54.44	20.00	28.50	24.97	0.33	0.78	0.01	0.68
ILMN_1247540	Vcan	NM_001081249.1	187.14	190.72	199.27	251.58	255.44	242.10	129.50	136.93	173.37	185.16	182.89	149.75	377.36	360.96	357.44	184.03	156.38	167.86	0.00	0.03	0.00	0.83
ILMN_2655336	Vcan	NM_001081249.1	55.59	43.87	55.54	53.09	60.86	89.68	41.37	42.24	37.63	55.76	76.08	60.04	137.79	134.71	120.10	62.52	57.75	38.17	0.24	0.05	0.00	0.31
ILMN_1236811	D330008I21Rik	AK052205	36.50	43.35	20.00	43.32	43.45	32.10	39.30	44.54	23.86	35.39	31.53	29.34	53.78	52.18	69.66	28.71	38.89	32.24	0.47	0.79	0.01	0.75
ILMN_1251234	Fancg	NM_053081.1	20.00	23.35	20.00	20.00	36.60	23.35	20.00	29.89	20.00	20.00	28.56	21.26	35.64	32.58	47.37	20.00	40.87	43.24	0.35	0.56	0.04	0.22
ILMN_2696537	Tm2d3	NM_178056.2	20.00	20.00	25.81	22.63	20.00	35.43	20.00	20.00	37.95	21.91	33.93	36.76	48.90	42.64	46.48	27.41	35.55	28.29	0.47	0.55	0.04	0.94
ILMN_2669627	Vcan	NM_001081249.1	829.87	813.01	226.15	975.82	934.26	246.28	682.95	708.57	197.48	218.03	391.79	400.34	519.76	688.19	773.23	275.32	320.66	485.93	0.77	0.74	0.03	0.80
ILMN_2609813	Chi3l1	NM_007695.2	20.00	20.00	34.80	35.38	23.49	23.00	20.00	20.00	28.06	37.00	26.94	20.00	161.57	141.41	156.67	23.45	20.77	20.00	0.73	0.71	0.00	0.26
ILMN_2648224	Tilz3c	AF201289	106.53	107.75	134.57	122.91	107.89	146.33	137.35	142.84	163.22	148.31	125.40	115.33	207.74	195.39	194.05	191.76	155.60	140.13	0.55	0.06	0.00	0.14
ILMN_2820383	Rnf135	NM_028019.1	96.06	72.88	47.18	84.83	82.58	57.77	78.01	69.89	23.05	46.90	58.92	64.90	89.76	86.91	82.25	50.12	48.11	59.64	0.86	0.53	0.01	0.54
ILMN_2622354	Arfl4	NM_025404.1	32.98	36.16	29.29	41.09	51.44	20.00	42.34	76.77	20.00	25.07	37.88	37.32	63.34	49.86	67.93	26.29	56.60	55.05	0.65	0.46	0.02	0.31
ILMN_1238533	B3galnt2	NM_178640.2	628.39	528.30	378.08	612.30	675.11	359.91	585.34	569.96	393.87	349.29	412.94	460.55	609.45	662.96	848.07	581.81	491.34	625.95	0.77	0.96	0.02	0.04
ILMN_2967904	Slc44a1	NM_133891.2	91.14	90.29	26.27	122.11	101.09	20.00	82.61	101.35	30.46	20.72	27.18	30.14	34.99	37.82	48.36	20.00	27.02	42.84	0.77	0.94	0.04	0.62
ILMN_1252111	Arl6ip5	NM_022992.2	1437.62	1356.89	1725.06	1534.94	1564.39	1585.30	1589.88	1532.71	1567.34	1696.72	2050.70	2137.01	3091.32	3418.75	2987.02	3040.30	2973.87	2762.82	0.65	0.64	0.00	0.00
ILMN_3160486	Tmem158	NM_001002267.2	20.00	34.12	22.37	22.18	20.00	37.89	32.25	20.27	20.00	20.00	26.00	22.09	36.68	40.40	29.07	20.00	46.03	29.65	0.88	0.83	0.03	0.30
ILMN_2716511	Slc12a6	NM_133648.1	436.99	389.41	509.64	424.15	388.77	573.92	582.41	463.92	894.64	603.98	500.22	515.62	930.51	760.56	765.61	650.68	703.24	612.31	0.81	0.20	0.01	0.05
ILMN_2795317	Ugt1a6a	NM_145079.2	216.01	193.52	104.90	192.56	220.92	112.18	231.22	193.45	109.33	100.01	95.58	110.04	160.61	136.72	192.72	148.80	125.08	182.83	0.94	0.90	0.02	0.04
ILMN_2522224	1700038P13Rik		33.15	31.82	35.43	30.10	36.08	37.41	20.00	20.00	30.34	58.56	36.97	49.89	103.48	84.34	83.45	51.85	38.76	44.12	0.69	0.05	0.01	0.65
ILMN_1220974	B3galnt2	NM_178640.2	260.89	256.04	279.31	265.93	276.06	271.54	243.29	285.05	371.46	244.27	232.93	262.76	446.53	390.02	399.01	382.44	355.92	302.85	0.49	0.42	0.00	0.02
ILMN_1256668	Fig4	NM_133999.1	558.09	555.52	151.58	611.20	628.84	129.47	589.37	619.22	163.96	148.42	149.86	222.66	293.96	245.38	378.75	241.34	172.77	337.06	0.88	0.87	0.05	0.23
ILMN_2589651	Anpep	NM_008486.1	20.00	20.00	20.00	20.00	20.19	20.00	20.00	20.00	24.22	20.00	30.90	25.60	56.38	58.22	59.32	25.47	33.50	46.37	0.37	0.37	0.00	0.23
ILMN_1218700	Scn3a	NM_018732.2	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.45	30.70	88.67	73.76	88.05	38.17	30.24	39.52	1.00	1.00	0.00	0.05
ILMN_1256359	Smox	NM_145533.1	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.45	20.00	37.91	32.82	28.79	20.00	30.10	22.18	1.00	1.00	0.01	0.27
ILMN_2652482	Dfna5h	NM_018769.3	529.10	519.31	490.94	501.93	523.52	496.69	447.51	435.66	391.27	449.79	514.04	547.54	1115.69	1017.42	1059.12	774.92	628.11	735.07	0.70	0.01	0.00	0.02
ILMN_2775778	Rcn2	NM_011992.2	118.72	113.79	20.00	104.14	120.06	20.00	93.31	127.69	20.28	20.00	20.19	38.64	47.02	46.49	55.08	46.89	20.00	70.82	0.95	0.94	0.03	0.29
ILMN_1244134	Lrp4	NM_172668.2	113.33	112.31	118.47	142.58	114.56	79.91	138.94	128.85	62.44	86.77	120.09	91.38	125.62	151.60	180.03	114.47	132.88	142.43	0.90	0.86	0.05	0.08
ILMN_2618918	Slc2a6	NM_172659.2	216.80	203.58	218.44	212.26	202.12	190.49	233.65	240.46	263.78	239.60	214.50	188.34	334.87	312.04	319.08	346.94	320.87	275.26	0.22	0.03	0.00	0.02
ILMN_1232716	Cyp1b1	NM_009994.1	4259.89	3830.18	2383.53	3946.55	3862.72	1956.29	2282.49	2076.02	933.63	3120.34	3850.99	4304.14	6676.51	7933.58	8488.07	5126.35	4846.01	6122.46	0.80	0.07	0.00	0.04
ILMN_3054840	AW061290	NM_201361.1	881.09	928.26	627.26	930.15	934.57	448.47	692.18	762.48	570.78	560.21	641.98	572.91	821.15	1014.85	944.28	779.72	737.82	811.12	0.84	0.28	0.01	0.01
ILMN_1225921	Ugt1a7c	NM_201642.4	57.15	66.99	66.75	48.10	50.39	74.84	62.64	47.61	93.44	59.93	44.35	49.54	95.94	86.12	67.94	106.49	77.59	61.41	0.56	0.77	0.03	0.09
ILMN_2684563	Cldnd1	NM_171826.2	596.10	640.07	493.96	613.24	593.08	311.36	480.49	597.84	331.03	467.46	465.92	604.03	1004.42	980.89	1252.16	677.81	682.19	662.44	0.54	0.29	0.00	0.02
ILMN_2972755	Cpox	NM_007757.1	34.04	20.00	20.00	20.00	20.19	20.00	20.00	20.00	34.72	40.58	20.00	28.30	42.69	49.89	51.22	20.00	29.49	20.78	0.38	0.97	0.05	0.41
ILMN_2991263	Ss18l1	NM_178750.4	45.53	28.22	27.86	22.32	46.08	20.00	56.33	56.17	25.73	20.00	20.00	20.75	36.84	35.09	39.34	27.45	52.48	60.10	0.69	0.36	0.00	0.06
ILMN_2658380	Nktr	NM_010918.2	24.50	50.00	23.99	22.26	30.43	20.00	51.80	42.69	20.00	20.00	20.00	21.67	33.76	26.47	33.59	20.00	20.00	48.68	0.40	0.70	0.01	0.40
ILMN_2662802	Ptx3	NM_008987.2	5338.24	5541.42	4791.45	6492.65	6722.24	4843.03	2781.75	2580.52	2475.65	4443.60	4278.03	4278.43	7989.88	7655.22	7927.76	3801.07	3347.06	3314.82	0.28	0.00	0.00	0.01
ILMN_2662803	Ptx3	NM_008987.3	4908.60	4838.28	3163.20	5565.35	5453.27	3345.77	2656.34	2516.91	1501.00	3180.88	3512.13	3547.47	5267.62	5904.80	6080.94	2431.18	2564.06	2886.96	0.63	0.04	0.00	0.01
ILMN_2555157	6720453O12Rik	AK032794	51.94	59.87	62.76	89.39	68.64	40.79	37.15	20.00	26.56	25.14	50.87	45.86	108.58	106.73	119.15	33.80	34.75	46.71	0.61	0.01	0.00	0.82
ILMN_1233975	LOC546233	XM_001001548.1	82.93	82.39	65.26	99.88	103.41	73.47	47.79	30.08	20.00	60.15	90.36	76.65	117.33	134.92	119.11	30.38	30.99	23.31	0.24	0.01	0.01	0.01
ILMN_1229547	Spon2	NM_133903.2	1685.60	1699.02	1655.30	1448.11	1399.42	1679.14	562.35	495.50	615.57	1789.10	1717.14	1635.12	2740.45	2513.78	2518.19	717.30	633.57	604.53	0.12	0.00	0.00	0.00
ILMN_1254577	AI607873	XM_980696.2	119.28	106.32	132.41	123.02	119.65	232.03	347.52	347.59	563.97	57.03	69.77	58.28	112.07	113.61	115.79	325.06	363.88	333.08	0.36	0.01	0.00	0.00
ILMN_2882698	1700029I01Rik	NM_027285.2	42.19	49.08	30.90	26.87	47.16	20.00	42.92	42.76	20.00	20.00	20.12	29.88	34.35	32.79	37.69	38.60	33.90	41.62	0.39	0.59	0.03	0.02
ILMN_2631591	E030049G20Rik	NM_001081756.1	181.22	170.46	146.98	158.67	152.47	164.34	179.58	174.97	152.92	106.18	112.78	105.29	222.60	182.77	176.75	188.12	149.93	138.51	0.51	0.83	0.00	0.03
ILMN_1253925	4632401N01Rik	AK019479	231.83	185.48	111.02	175.86	203.88	110.21	159.35	171.96	74.13	20.00	27.72	21.97	36.93	44.02	39.76	29.50	32.84	21.04	0.79	0.43	0.01	0.34
ILMN_1253874	Serpinb2	NM_011111.3	103.02	105.72	108.47	119.39	118.12	148.93	68.49	44.57	76.27	47.92	62.34	63.66	107.72	118.35	136.01	138.44	107.85	106.99	0.09	0.01	0.00	0.01
ILMN_2695944	Sprr2f	NM_011472.2	76.21	103.21	63.29	83.55	64.35	48.12	29.88	32.41	21.72	36.80	43.16	46.22	71.57	63.01	60.05	20.00	21.37	21.13	0.37	0.01	0.01	0.00
ILMN_2623526	Myc	NM_010849.4	83.02	61.84	107.04	97.99	133.92	136.35	153.93	138.46	203.43	138.20	132.64	121.02	136.48	119.06	128.71	267.57	293.74	260.15	0.10	0.03	0.74	0.00
ILMN_2948143	Slc7a11	NM_011990.2	23.45	31.40	47.52	43.55	48.67	40.06	130.71	149.10	180.04	72.76	53.34	73.14	77.11	55.07	74.66	169.74	224.46	216.13	0.25	0.00	0.80	0.00
ILMN_1236889	Selp	NM_011347.1	36.98	34.89	33.58	40.23	45.37	55.80	68.35	65.74	88.18	82.20	53.84	65.43	72.74	55.56	60.35	173.16	122.56	142.95	0.06	0.01	0.68	0.01
ILMN_2588249	S3-12	NM_020568.2	21.55	24.30	41.61	30.87	31.37	52.73	169.65	170.54	205.45	74.01	50.38	49.46	66.56	46.92	39.36	253.43	230.35	207.36	0.39	0.00	0.57	0.00
ILMN_2752454	Npal1	NM_001081205.1	24.24	30.12	31.57	25.35	37.05	50.10	101.15	133.24	117.92	61.74	42.39	42.96	65.46	53.46	54.80	226.21	211.03	166.56	0.30	0.00	0.30	0.00
ILMN_3101919	Dgkh	NM_001081336.1	27.34	30.74	20.00	23.80	20.49	45.85	52.33	54.97	82.77	37.55	37.81	43.76	27.08	39.88	28.67	60.20	72.84	64.93	0.66	0.02	0.16	0.00
ILMN_2762109	Pkp1	NM_019645.2	167.73	155.25	193.39	154.36	175.74	239.58	377.08	389.73	537.89	297.60	244.36	292.01	242.76	245.91	249.41	483.57	515.93	467.23	0.56	0.01	0.13	0.00
ILMN_2747923	Slc40a1	NM_016917.2	47.87	30.85	35.17	26.26	42.72	53.35	78.17	59.59	83.01	100.49	66.49	80.38	127.57	92.37	117.60	168.10	138.70	122.93	0.78	0.02	0.10	0.02
ILMN_2775202	Rragd	NM_027491	22.13	23.77	27.98	28.79	20.00	28.24	129.80	134.03	119.51	45.34	38.98	39.83	64.94	38.07	34.89	146.76	133.28	134.45	0.77	0.00	0.66	0.00
ILMN_1231997	Gsta1	NM_008181.3	20.00	32.49	29.44	23.27	30.63	27.34	118.37	149.20	168.52	61.64	61.20	62.93	61.26	75.88	89.21	423.95	407.49	401.74	0.96	0.00	0.17	0.00
ILMN_2743831	Pepd	NM_008820.1	91.50	64.82	116.97	77.35	89.45	101.40	154.61	150.68	191.04	132.89	131.08	143.19	113.83	123.93	135.39	178.02	225.82	252.97	0.92	0.02	0.19	0.02
ILMN_2979237	Gsta1	NM_008181.2	101.75	92.54	71.76	103.94	98.61	66.46	417.38	807.46	385.02	114.97	141.36	172.70	169.62	213.18	257.06	981.00	1072.41	1449.90	0.95	0.03	0.08	0.00
ILMN_3160369	Atg9b	NM_001002897.3	20.21	20.00	20.00	20.00	20.00	20.00	50.57	28.15	59.26	31.97	28.64	31.71	33.49	37.80	27.74	100.72	65.49	66.79	0.37	0.05	0.51	0.02
ILMN_2659408	Rel	NM_009044.2	21.11	20.00	20.00	38.00	43.05	23.47	38.88	47.86	29.07	32.55	31.41	28.14	21.75	37.69	43.15	60.92	33.48	39.93	0.07	0.03	0.62	0.17
ILMN_2851455	2810408M09Rik	NM_001007581.1	73.44	66.17	84.60	111.83	110.19	108.29	134.53	98.91	137.21	129.18	119.32	104.00	138.02	114.61	108.00	139.44	117.97	134.76	0.00	0.02	0.83	0.25
ILMN_2724483	Arhgap10	NM_030113.1	34.91	24.42	36.33	43.45	49.46	43.36	54.57	48.00	51.63	48.91	57.12	66.52	67.77	52.85	63.91	66.38	69.38	85.05	0.03	0.01	0.59	0.11
ILMN_2497877	2610301N02Rik		60.41	62.25	69.89	93.14	76.36	103.02	109.88	105.51	170.29	115.70	92.18	84.68	75.03	109.20	87.89	123.97	147.91	121.82	0.03	0.04	0.64	0.05
ILMN_1215544	Hrbl	NM_145566.1	23.00	20.00	22.24	36.04	24.70	26.31	42.24	47.01	42.03	46.83	38.48	33.98	37.36	26.09	27.99	20.33	31.54	29.33	0.12	0.00	0.14	0.07
ILMN_2760619	Tinagl	NM_023476.2	54.89	52.85	51.90	38.86	83.83	63.22	94.75	82.81	90.03	111.87	107.71	119.50	87.96	125.26	125.03	158.64	172.15	162.97	0.54	0.00	0.98	0.00
ILMN_2527300	D2Bwg1423e	XM_001477269.1	20.00	24.43	25.63	20.00	20.91	30.28	44.23	34.05	52.61	42.50	36.50	38.95	40.05	48.33	37.14	52.01	53.89	37.72	0.92	0.02	0.54	0.19
ILMN_2647885	Bcl2l1	NM_009743.4	24.40	20.00	31.45	29.62	38.78	44.74	36.07	44.56	98.55	47.94	37.26	35.36	51.79	37.18	31.11	62.34	83.39	76.56	0.09	0.16	0.98	0.01
ILMN_1227494	Egr3	NM_018781	93.41	80.51	125.20	95.37	91.80	137.55	117.84	148.15	243.47	167.71	134.01	142.49	259.66	181.11	205.94	364.32	246.85	255.51	0.69	0.16	0.06	0.02
ILMN_2684693	Dusp3	NM_028207.2	27.97	28.79	39.03	39.52	20.00	38.76	43.81	55.86	114.50	70.03	50.91	51.13	46.40	32.87	48.24	103.94	91.07	109.12	0.92	0.15	0.14	0.01
ILMN_2892441	Gsta4	NM_010357.1	864.32	862.08	1351.62	889.54	848.20	1238.04	1374.27	1712.42	2149.06	1515.96	1676.25	1911.76	1741.61	1969.05	2067.85	2942.17	3475.08	4128.12	0.88	0.06	0.21	0.01
ILMN_2702286	Cacnb3	NM_007581.2	49.14	33.89	68.96	77.25	63.78	78.94	77.27	49.90	83.75	85.34	88.00	91.13	149.68	89.54	95.93	101.32	94.75	93.01	0.11	0.25	0.29	0.05
ILMN_2768936	Coro2a	NM_178893.3	20.00	20.00	23.68	20.00	33.11	43.17	25.29	20.00	20.00	43.56	27.53	37.06	35.40	29.86	38.30	35.02	30.43	26.47	0.19	0.82	0.79	0.36
ILMN_2907327	Dtx2	NM_023742.1	20.95	42.94	47.46	46.97	54.16	49.17	77.66	47.85	117.77	59.37	71.74	71.57	64.91	51.02	67.94	114.16	72.76	73.19	0.20	0.11	0.40	0.25

ILMN_2631939	LOC100048832	XM_001473682.1	26.22	26.91	20.00	44.84	30.83	29.73	48.35	40.24	30.60	55.81	47.21	40.91	36.98	45.44	38.74	63.68	82.26	63.75	0.11	0.05	0.21	0.04
ILMN_2644238	Dalrd3	NM_026378.3	39.06	37.24	50.01	51.81	42.92	86.05	41.04	50.93	52.77	66.14	63.69	67.87	80.75	81.63	57.87	62.26	105.45	72.69	0.26	0.32	0.39	0.34
ILMN_2494041	A430042F24Rik		20.00	20.38	20.00	42.17	24.76	20.00	38.62	32.80	20.00	33.29	25.99	38.04	20.00	30.41	20.00	20.00	26.06	28.99	0.26	0.13	0.14	0.17
ILMN_3132223	C630004H02Rik	NM_175454.2	44.80	31.06	71.44	62.73	60.16	62.78	87.01	59.66	62.63	93.93	78.46	91.33	67.24	72.94	79.28	77.16	114.75	107.66	0.34	0.23	0.07	0.39
ILMN_1215890	Creb1	NM_133828.2	34.45	25.45	35.71	45.39	30.14	51.97	31.94	38.15	56.72	53.65	50.96	44.23	33.04	50.60	50.79	61.72	52.50	53.99	0.22	0.27	0.50	0.18
ILMN_2702575	Obfc1	NM_175360.2	149.93	152.00	202.58	242.67	186.14	232.02	168.91	137.50	140.31	272.97	249.86	252.68	277.35	251.33	287.32	210.66	217.71	220.41	0.10	0.39	0.36	0.01
ILMN_2645074	Dedd	NM_011615.2	69.37	80.05	96.60	114.53	83.35	121.76	76.88	78.35	97.54	135.97	117.17	131.51	121.12	138.61	114.64	127.54	135.95	118.71	0.16	0.84	0.73	0.92
ILMN_2543006	Wwp1	XM_130163	20.00	21.26	20.00	20.00	23.79	37.88	21.04	27.28	30.21	29.67	31.43	41.54	20.10	32.94	31.63	31.07	32.95	35.39	0.28	0.10	0.34	0.80
ILMN_2479227	Limk2	NM_173053.1	20.00	23.48	38.48	23.92	30.70	51.07	24.42	26.93	41.37	62.11	43.71	45.45	27.23	47.83	32.01	21.74	43.89	29.38	0.47	0.67	0.16	0.10
ILMN_1251935	2900026A02Rik	NM_172884.2	20.00	20.00	20.00	20.00	28.05	29.45	20.00	20.00	20.00	34.63	27.13	32.59	25.53	20.00	21.74	28.99	22.15	20.00	0.12	1.00	0.03	0.09
ILMN_2687905	Msi2	NM_054043.3	68.54	103.65	117.07	117.67	100.12	141.71	105.87	109.89	134.60	162.47	158.39	148.37	168.31	147.36	139.33	159.72	156.83	127.46	0.28	0.30	0.65	0.49
ILMN_2602161	AI255170	XM_128733.4	31.64	30.03	35.71	45.73	33.34	44.21	45.39	42.22	59.18	51.38	46.73	47.80	42.12	42.94	49.95	59.40	73.32	79.58	0.11	0.04	0.27	0.02
ILMN_1232601	Cyb561	NM_007805.4	65.16	61.88	93.95	85.53	80.23	105.23	77.92	85.18	104.63	116.53	97.17	113.22	138.04	130.24	117.14	131.67	141.79	113.90	0.26	0.29	0.08	0.12
ILMN_1228783	LOC100043986	XR_031250.1	43.97	29.97	54.57	33.41	52.83	77.60	54.48	38.14	69.81	85.35	80.74	74.73	67.55	60.12	52.58	99.02	100.63	87.28	0.47	0.38	0.02	0.04
ILMN_1249578	Sorl1	NM_011436.3	20.00	20.00	21.49	27.88	27.27	20.25	20.00	33.07	35.95	71.57	36.37	46.44	45.97	41.51	30.02	22.31	33.42	36.60	0.14	0.14	0.35	0.14
ILMN_2657980	Faah	NM_010173.3	20.92	20.00	25.37	20.00	20.29	46.15	28.91	30.95	50.09	40.93	37.83	34.17	25.96	32.89	28.62	35.05	32.89	34.59	0.49	0.10	0.04	0.17
ILMN_2735175	Pcdhgb2	NM_033575.3	44.51	46.52	49.91	50.48	42.94	83.86	60.81	55.34	75.79	72.19	78.70	63.93	83.29	66.97	65.66	73.28	85.15	57.55	0.39	0.05	0.96	0.97
ILMN_1244594	Mvk	AK009261	36.22	53.42	58.03	48.85	48.37	83.28	32.48	30.21	37.90	84.61	73.98	79.72	105.16	68.48	65.38	63.35	66.05	43.39	0.46	0.09	0.99	0.05
ILMN_3034098	Cnot6	NM_212484.1	56.78	66.72	64.95	84.57	66.16	76.24	60.83	61.56	36.98	106.13	91.29	104.71	59.17	87.64	83.53	61.85	72.92	87.02	0.10	0.32	0.08	0.04
ILMN_1245003	Odf2	NM_013615.2	56.27	45.30	100.43	59.84	79.06	93.26	79.16	81.20	138.46	123.25	111.05	129.60	96.03	105.24	112.52	140.74	149.83	125.52	0.63	0.28	0.08	0.12
ILMN_1234520	5730559C18Rik	NM_028872	21.80	20.00	29.10	35.24	21.33	28.41	20.00	31.43	35.29	40.63	40.29	38.36	43.35	44.76	32.57	34.36	23.03	34.68	0.39	0.38	0.91	0.08
ILMN_2731379	6430527G18Rik	NM_145836	51.01	41.95	32.59	68.04	42.00	40.71	41.98	47.69	52.37	71.06	52.83	71.76	46.43	66.87	44.26	70.48	83.83	61.66	0.46	0.42	0.25	0.49
ILMN_1225261	Uchl1	NM_011670.1	59.02	77.01	61.32	72.55	76.61	80.78	67.31	84.39	82.20	86.78	138.54	112.50	97.26	112.53	103.76	111.77	148.93	127.26	0.15	0.19	0.63	0.42
ILMN_2640995	Spire2	NM_172287.2	20.00	20.00	20.00	20.00	20.00	31.48	20.00	20.00	20.00	33.41	30.40	35.70	32.52	32.94	26.17	34.07	28.07	36.08	0.37	1.00	0.38	0.89
ILMN_2677824	Susd4	NM_144796.4	41.26	32.78	52.42	39.52	47.21	58.62	20.00	23.52	62.97	65.80	59.41	73.98	66.00	70.41	69.27	50.88	46.52	40.61	0.47	0.68	0.65	0.02
ILMN_1247198	BC004728	NM_174992.2	28.22	20.00	24.64	25.11	20.00	42.16	20.00	20.00	20.01	43.14	33.15	43.44	33.28	34.95	39.45	30.57	34.35	31.06	0.54	0.15	0.36	0.09
ILMN_1236308	LOC268730	XM_193754.2	200.72	202.97	197.42	219.15	236.49	214.28	166.48	175.15	136.65	327.74	363.13	351.68	254.72	305.71	342.83	252.47	301.32	275.43	0.03	0.03	0.17	0.02
ILMN_2768325	Cks2	NM_025415.2	20.00	20.00	20.00	20.00	20.00	27.38	20.00	20.00	20.00	33.80	52.90	51.38	20.00	51.37	58.17	20.00	20.51	35.37	0.37	1.00	0.84	0.06
ILMN_2550089	2010001F03Rik	AK008004	24.37	23.43	20.00	27.69	20.55	26.79	22.11	21.15	20.00	31.47	37.78	35.98	26.38	37.48	29.64	32.41	31.11	29.27	0.41	0.36	0.36	0.12
ILMN_1240833	Baalc	NM_080640.4	113.26	116.06	120.27	118.70	114.12	153.21	151.93	131.91	157.63	186.99	159.58	180.49	190.09	140.49	185.28	148.99	150.36	107.13	0.39	0.02	0.84	0.07
ILMN_1253538	Ttll1	NM_178869.3	123.40	123.99	167.07	144.30	116.79	198.68	96.37	111.43	151.46	219.21	211.47	188.95	214.86	174.55	176.66	162.26	186.58	151.52	0.62	0.45	0.33	0.04
ILMN_2742667	C1galt1	NM_052993.2	20.00	20.00	26.94	20.00	20.00	34.66	20.00	25.04	38.20	51.25	34.24	38.24	32.37	28.96	31.73	50.14	46.46	33.98	0.66	0.41	0.12	0.76
ILMN_1214166	Odf2	BC057001	20.00	23.47	20.00	20.75	23.77	23.93	42.27	22.34	20.00	34.03	29.32	33.60	25.59	25.61	27.81	49.14	26.86	20.00	0.34	0.38	0.02	0.97
ILMN_1220218	6330532E14Rik	AK031993	21.10	23.73	21.63	26.16	26.03	20.00	26.43	35.61	25.92	36.00	39.60	31.16	20.00	36.59	27.81	31.91	37.52	27.42	0.43	0.09	0.24	0.43
ILMN_2429437	Ccdc92	NM_144819.2	180.90	178.34	271.78	163.60	189.77	337.79	182.92	170.45	314.50	349.16	287.87	302.37	322.98	288.04	276.64	363.63	295.67	288.52	0.76	0.84	0.50	0.93
ILMN_1222243	Gtf3c5	NM_148928.1	20.00	20.00	35.74	20.00	20.00	42.16	31.54	30.10	55.20	44.08	40.69	41.39	24.44	35.25	39.28	72.35	53.66	42.35	0.82	0.23	0.12	0.19
ILMN_2715215	Eif2b5	NM_172265.1	286.46	297.90	371.34	340.46	263.68	410.66	194.34	198.45	340.89	494.09	532.34	513.89	454.09	469.08	496.14	398.82	421.66	381.36	0.71	0.25	0.07	0.00
ILMN_2600190	Gjb4	NM_008127.3	111.50	137.76	158.10	116.30	134.42	164.11	147.73	119.51	193.43	229.40	198.95	198.01	168.01	174.72	177.91	199.74	226.72	167.49	0.90	0.52	0.03	0.62
ILMN_2742942	Rabl2a	NM_026817.3	20.00	20.00	20.00	20.00	20.00	20.01	23.15	20.00	20.00	34.56	27.37	28.64	31.91	23.77	28.95	26.89	28.27	26.24	0.37	0.37	0.58	0.25
ILMN_1238820	LOC332788	XM_285750.2	118.00	127.36	140.78	134.34	146.73	101.35	82.85	115.96	86.85	204.56	246.39	227.30	200.49	236.71	230.32	136.87	212.37	179.47	0.94	0.05	0.84	0.12
ILMN_2736792	Hdac8	NM_027382.3	27.17	25.88	28.35	20.00	27.22	34.34	56.43	20.00	26.34	43.16	50.72	33.36	20.00	36.80	31.56	21.53	37.15	29.38	0.99	0.56	0.14	0.13
ILMN_2756704	9130213B05Rik	NM_145562.2	1227.23	1257.96	1136.11	1216.22	1144.85	1145.77	905.52	951.20	1043.42	1964.32	1804.67	1884.36	1831.96	1684.23	1718.64	1316.71	1329.99	1404.18	0.43	0.01	0.10	0.00
ILMN_2981792	Abcd4	NM_008992.1	65.10	35.98	68.20	52.46	34.65	79.30	57.86	49.03	98.66	91.73	82.80	98.33	101.68	95.47	74.71	69.29	88.41	81.38	0.96	0.55	0.97	0.19
ILMN_2642743	Fgf5	NM_010203.4	92.48	114.19	167.42	101.99	92.22	167.45	96.90	93.90	122.73	264.43	188.98	199.79	309.39	271.24	244.49	273.81	221.40	206.62	0.90	0.45	0.13	0.63
ILMN_2605512	Lamb3	NM_008484.2	51.84	53.67	76.85	43.68	55.85	76.37	48.93	59.27	82.89	111.33	88.85	97.77	113.45	103.03	89.70	87.59	100.92	68.44	0.87	0.83	0.79	0.30
ILMN_2715042	Sdc3	NM_011520.3	168.48	183.62	173.86	169.40	156.68	157.37	134.26	121.22	154.85	292.65	330.92	322.06	333.52	271.95	275.19	225.14	267.23	196.94	0.08	0.02	0.40	0.02
ILMN_2625035	Sft2d2	NM_145512.3	22.18	29.00	27.02	20.00	20.00	31.93	24.69	20.00	21.75	34.44	45.11	44.97	24.66	55.15	25.88	49.64	35.58	29.10	0.66	0.18	0.58	0.65
ILMN_2751018	Chfr	NM_172717.2	28.23	24.82	43.58	22.93	23.04	41.01	20.41	24.45	63.22	51.34	52.63	48.72	50.07	47.80	55.79	67.10	54.34	36.16	0.72	0.81	0.91	0.86
ILMN_2633802	Aifm2	NM_001039194.2	29.71	20.00	25.71	26.58	20.00	20.25	24.93	23.19	37.48	42.85	36.65	35.43	20.00	36.31	28.30	36.68	28.89	20.00	0.46	0.56	0.13	0.14
ILMN_2888375	6230427J02Rik	NM_026597.1	21.62	34.14	25.04	24.84	21.48	20.85	26.52	40.21	37.04	41.88	37.22	40.09	27.28	32.57	28.52	23.75	57.87	39.85	0.31	0.24	0.01	0.94
ILMN_2625342	LOC100044576	XM_001472856.1	27.38	25.26	46.66	39.56	45.17	61.42	38.24	20.96	20.00	57.04	58.26	48.05	48.96	47.94	41.32	23.12	32.76	31.71	0.17	0.50	0.11	0.00
ILMN_2545953	Uros	NM_009479.2	20.00	28.41	20.00	21.98	28.51	51.87	29.39	29.76	20.00	42.26	41.64	31.44	30.53	34.38	25.78	20.00	20.09	20.00	0.30	0.45	0.13	0.01
ILMN_2688429	Hnrpul1	NM_144922.2	45.27	33.01	36.74	62.14	37.37	61.86	42.72	24.14	44.60	73.84	75.99	64.41	56.62	52.14	66.95	27.25	38.19	25.07	0.16	0.88	0.09	0.00
ILMN_2992047	Rhof	NM_175092.3	20.00	20.00	23.53	28.05	20.00	36.73	20.00	20.00	26.43	31.80	31.79	33.98	26.58	21.53	29.36	20.00	20.00	20.00	0.23	0.71	0.05	0.00
ILMN_2672662	Fastk	NM_023229.2	20.00	20.00	20.00	30.48	20.00	28.05	20.00	20.00	20.00	38.03	45.54	34.14	25.44	26.72	28.82	27.69	23.83	20.90	0.12	0.37	0.02	0.02
ILMN_1224846	Cdkl3	NM_153785.3	33.74	32.37	46.42	43.50	36.20	65.49	20.00	26.52	44.02	67.71	58.05	48.99	41.27	58.97	52.80	39.69	43.56	24.46	0.33	0.43	0.39	0.05
ILMN_2849985	Eefsec	NM_023060.3	36.85	27.41	45.79	24.11	52.30	63.33	35.96	20.00	52.58	54.29	73.66	60.04	45.81	40.93	45.64	40.18	30.13	20.00	0.48	0.96	0.04	0.02
ILMN_2612091	2610034E13Rik	NM_029365	20.00	20.00	20.00	24.32	20.00	26.74	26.47	20.00	20.00	51.52	43.84	33.05	35.63	34.58	40.69	28.80	27.78	25.83	0.13	0.37	0.36	0.05
ILMN_2595260	Creb3l1	NM_011957.2	109.12	127.22	178.24	138.71	154.67	157.91	90.21	94.40	73.45	218.29	229.13	204.12	231.93	261.92	278.36	103.42	112.66	114.15	0.60	0.07	0.06	0.00
ILMN_2695085	Sorcs2	NM_030889.2	20.00	20.00	20.87	20.00	20.00	21.52	20.00	20.00	20.00	40.08	26.04	33.44	20.00	29.07	22.75	20.41	20.00	20.00	0.73	0.37	0.13	0.03
ILMN_1237546	9130213B05Rik	NM_145562.2	119.66	146.27	174.06	121.95	127.33	199.57	63.30	70.30	142.56	215.93	262.33	272.13	234.93	228.92	284.79	151.09	157.86	167.62	0.93	0.14	0.98	0.01
ILMN_1226016	Scx	NM_198885.2	231.30	254.44	294.44	215.56	242.02	204.47	133.32	202.48	155.35	390.73	451.31	529.56	302.77	378.73	373.00	273.65	318.91	354.38	0.14	0.02	0.09	0.04
ILMN_2620106	Dhcr24	NM_053272	42.30	32.65	31.02	20.00	28.80	26.79	20.00	20.00	20.00	44.29	64.16	54.46	38.12	43.76	38.91	20.00	26.26	42.89	0.08	0.01	0.08	0.05
ILMN_2417430	1810044D09Rik		41.82	41.00	33.95	37.65	57.66	43.42	26.00	20.25	20.00	69.24	60.87	57.96	46.31	48.71	54.19	32.91	28.79	24.32	0.32	0.01	0.03	0.00
ILMN_2593774	1190002H23Rik	NM_025427.2	60.03	44.82	46.89	97.67	85.99	59.48	232.62	234.86	319.98	22.12	43.91	38.86	57.74	37.65	38.75	207.11	169.20	151.56	0.07	0.00	0.35	0.00
ILMN_2599214	6430548M08Rik	NM_172286	33.78	52.93	42.62	58.19	55.00	81.44	85.78	88.09	151.84	50.23	37.48	56.34	42.05	48.09	36.99	108.60	75.93	72.59	0.10	0.04	0.43	0.04
ILMN_2506245	Mylk2	NM_001081044.1	23.04	21.48	36.71	34.65	37.71	47.09	136.93	181.82	180.82	20.00	23.96	29.90	20.00	21.72	25.38	153.52	135.97	107.16	0.11	0.00	0.53	0.00
ILMN_2824002	Frat2	NM_177603.1	56.09	54.48	54.74	76.00	73.00	100.20	112.63	121.22	197.21	80.17	79.51	61.41	96.50	93.75	101.91	167.07	147.11	133.55	0.03	0.03	0.02	0.00
ILMN_2734160	Slc6a17	NM_172271.2	20.00	20.00	25.05	31.31	20.84	49.70	38.33	52.55	79.04	37.83	26.67	23.62	37.67	28.62	25.44	51.16	51.70	68.32	0.23	0.04	0.84	0.02
ILMN_1227789	4932416C15Rik	AK030022	20.00	38.65	26.24	47.30	30.52	44.77	65.91	62.98	65.48	32.10	33.54	49.84	42.89	33.21	32.99	66.48	64.41	61.66	0.17	0.00	0.76	0.01
ILMN_3027761	Gpx4	NM_001037741.2	37.06	23.31	30.79	38.24	45.85	46.65	47.25	59.88	75.69	51.17	58.96	36.79	48.17	51.10	51.46	78.68	86.95	75.01	0.05	0.03	0.86	0.01
ILMN_2445249	Krt36	NM_008472.2	20.00	31.96	29.40	42.33	31.87	41.53	64.88	47.79	54.52	24.59	28.60	21.52	38.43	20.00	26.98	48.17	44.27	46.51	0.08	0.01	0.57	0.00
ILMN_1258833	4930418I18Rik	AK029637	27.78	28.73	21.11	39.52	30.38	39.36	72.62	51.15	71.41	28.96	26.11	29.43	21.06	26.21	40.61	52.79	53.47	49.42	0.05	0.01	0.86	0.00
ILMN_2590010	Spred2	NM_033523.4	30.07	49.68	39.86	52.60	49.06	63.42	65.08	79.69	104.31	40.94	41.15	34.72	31.21	28.96	28.65	79.32	66.21	57.13	0.10	0.03	0.01	0.01
ILMN_1229131	Wfdc3	NM_027961.1	20.00	20.26	30.13	20.00	28.34	58.86	127.27	168.33	311.06	20.00	20.00	20.93	20.00	20.00	20.00	146.80	166.39	126.20	0.37	0.03	0.37	0.00
ILMN_2600453	Gigyf1	NM_031408.2	46.74	45.83	39.08	47.38	66.34	72.13	81.28	99.00	98.38	45.99	52.83	54.13	43.82	46.92	68.56	84.56	84.42	105.18	0.08	0.00	0.81	0.01
ILMN_2718030	Ank2	NM_001034168.1	27.70	20.81	26.73	41.75	41.13	24.29	40.08	49.01	66.23	20.68	25.15	27.16	40.62	38.91	29.60	39.08	47.09	43.96	0.16	0.03	0.04	0.00
ILMN_2860244	Klhl24	NM_029436.3	24.39	26.91	20.00	46.97	21.91	34.10	71.13	86.93	63.46	20.00	23.03	27.43	20.00	23.61	29.95	89.95	74.12	79.25	0.23	0.00	0.79	0.00
ILMN_1227282	Soat2	NM_146064.1	81.83	31.71	70.81	69.61	81.76	85.44	136.36	127.67	171.67	82.79	62.16	48.40	65.25	55.12	63.30	200.41	156.03	134.46	0.33	0.01	0.77	0.01
ILMN_3045359	Ctsa	NM_008906.3	20.00	22.90	46.14	45.79	31.13	39.02	75.94	79.14	106.80	26.05	31.73	34.35	31.09	43.43	23.92	72.24	105.11	92.92	0.39	0.01	0.75	0.00
ILMN_1214088	B130039D17Rik	AK045133	51.91	48.57	43.24	67.97	45.82	90.30	112.20	85.90	123.08	48.63	62.14	41.05	62.01	64.10	49.39	128.60	109.75	99.42	0.20	0.01	0.36	0.00
ILMN_2753029	Gch1	NM_008102.2	72.58	72.24	62.02	97.55	81.72	103.67	116.97	122.13	149.34	62.81	67.50	60.86	89.71	85.03	107.28	168.27	139.68	136.45	0.03	0.00	0.01	0.00
ILMN_2686425	Fryl	NM_177136.3	30.05	31.89	30.39	55.09	27.38	47.84	66.89	89.86	65.54	21.95	31.60	33.45	28.96	31.93	24.19	66.25	60.83	64.39	0.20	0.01	0.89	0.00
ILMN_2626919	Aebp2	NM_009637.1	21.00	21.26	21.87	36.12	22.64	29.52	91.14	85.33	73.02	28.31	26.36	27.91	28.28	26.35	29.75	85.76	73.39	71.12	0.11	0.00	0.63	0.00
ILMN_2728038	Arhgap24	NM_029270.1	250.44	268.39	237.07	365.33	329.01	322.13	429.26	441.11	629.06	230.98	241.16	235.76	318.38	279.72	309.35	543.94	601.71	452.99	0.01	0.02	0.01	0.00
ILMN_1226855	4832404P21Rik	AK029263	57.95	69.53	52.41	80.58	91.46	68.91	113.16	151.83	124.24	69.42	60.64	89.22	70.45	70.07	48.14	125.86	118.36	123.08	0.07	0.01	0.41	0.00
ILMN_1259402	2210418B03Rik	AK008972	25.00	46.49	26.37	38.28	40.05	47.78	58.69	84.59	80.09	45.43	21.57	26.94	20.00	26.23	36.49	87.86	86.60	65.59	0.28	0.02	0.69	0.01
ILMN_3102736	Gm129	NM_001033302.1	53.80	72.79	80.51	98.05	69.37	110.03	788.52	872.58	1340.15	64.88	66.56	74.11	81.52	63.38	73.56	1109.80	1041.17	856.30	0.18	0.01	0.51	0.00
ILMN_1215961	Zfp292	XM_355564	27.08	34.35	30.65	36.11	41.77	44.43	69.00	80.78	82.68	44.85	38.19	35.62	50.86	38.71	46.68	76.53	72.63	77.89	0.04	0.00	0.26	0.00
ILMN_2457854	B230308N11Rik		91.58	85.81	83.16	103.31	111.55	131.78	173.81	214.59	188.88	129.84	80.66	72.54	111.45	77.15	101.79	208.74	171.60	171.50	0.03	0.00	0.91	0.01
ILMN_1256950	Neurl2	NM_001082974.1	29.54	27.13	59.94	38.89	53.77	53.17	173.62	110.93	201.90	40.43	51.95	53.30	55.16	52.93	52.59	145.96	129.47	100.76	0.45	0.01	0.30	0.01
ILMN_2684145	Sdcbp2	NM_145535.1	20.00	20.00	20.00	20.00	26.15	34.80	56.19	39.73	54.83	23.31	20.00	41.67	43.56	20.00	32.60	53.26	70.94	52.47	0.18	0.00	0.72	0.03
ILMN_2860242	Klhl24	NM_029436.3	43.24	55.63	26.81	60.13	59.08	40.54	146.12	133.23	67.32	60.80	55.16	47.53	50.85	69.43	52.94	108.81	128.69	96.64	0.34	0.05	0.67	0.00
ILMN_2432039	Zzz3	NM_198416.1	64.57	41.65	46.41	77.59	66.69	53.17	99.66	123.64	127.53	60.01	46.16	61.32	58.99	55.04	54.35	126.40	122.19	111.53	0.21	0.00	0.96	0.00
ILMN_1227526	9330177P18Rik	AK034324	33.61	26.79	25.50	30.21	38.60	43.31	75.12	59.56	118.00	48.16	31.13	32.98	32.48	31.73	22.55	93.23	82.04	86.24	0.13	0.03	0.25	0.00
ILMN_2437797	scl0004025.1_69	AK042145.1	20.00	20.00	20.00	27.36	32.14	20.00	51.30	39.86	28.32	29.69	31.94	20.00	20.21	44.36	43.75	38.84	42.47	42.76	0.14	0.04	0.37	0.02
ILMN_1219474	6430548M08Rik	NM_172286	189.15	176.51	143.48	219.40	241.57	198.56	343.72	476.39	338.96	107.27	134.02	133.74	136.63	143.23	144.19	269.93	329.09	289.22	0.05	0.01	0.15	0.00
ILMN_2787785	Akna	NM_001045514.1	20.00	28.06	34.76	42.83	27.38	36.46	62.92	75.39	87.96	47.24	35.63	43.34	22.98	42.84	36.40	84.97	99.06	82.68	0.27	0.00	0.30	0.00
ILMN_1215363	scl0004029.1_17	AK014004.1	45.32	56.42	21.74	61.31	52.70	37.45	79.93	130.67	82.78	48.45	53.89	56.40	51.08	42.98	52.36	73.53	91.07	90.98	0.49	0.04	0.34	0.01
ILMN_2715893	Fbxo32	NM_026346.1	31.12	20.00	37.79	33.06	47.82	31.94	115.74	97.11	145.88	49.25	32.31	23.80	61.61	38.47	27.80	104.25	90.61	75.75	0.34	0.00	0.58	0.01
ILMN_2555646	Prkcsh	AK046762	46.17	34.38	38.81	55.94	49.47	46.56	62.65	75.85	67.05	64.97	41.88	65.87	62.20	66.40	57.82	90.26	102.54	77.88	0.07	0.01	0.61	0.04
ILMN_1224754	Ckb	NM_021273.3	44.20	55.11	64.22	82.26	56.49	69.02	85.27	73.01	109.51	83.61	80.34	76.56	98.42	89.33	76.61	131.73	130.94	113.85	0.19	0.05	0.30	0.00
ILMN_2745889	Acot2	NM_134188.2	51.20	52.13	73.35	85.46	54.80	85.34	202.76	222.57	256.44	92.47	76.94	72.93	66.43	73.14	60.07	315.21	246.65	209.03	0.26	0.00	0.11	0.01
ILMN_1250195	Ndrg1	NM_008681.2	452.43	281.51	176.06	653.82	427.53	162.24	5641.78	6382.07	2469.84	139.67	209.76	217.68	212.05	299.79	309.24	3000.29	3791.81	4050.05	0.53	0.02	0.10	0.00
ILMN_2796472	Vldlr	NM_013703.1	132.29	127.12	141.59	167.29	157.01	182.08	588.28	597.02	693.82	228.02	156.06	182.37	314.76	242.09	262.92	744.11	578.30	526.57	0.01	0.00	0.05	0.00
ILMN_2971177	BC034076	NM_177649.3	62.68	27.12	79.15	59.05	64.51	70.08	113.47	172.99	192.69	67.72	84.84	92.09	65.35	65.92	88.87	194.85	198.18	158.21	0.63	0.02	0.48	0.00
ILMN_3151210	Chm	NM_018818.2	50.58	42.36	28.06	39.33	51.46	58.60	68.65	75.46	95.08	47.61	46.77	46.78	38.49	54.36	42.19	77.44	74.29	69.32	0.34	0.02	0.69	0.00
ILMN_2775360	Mapkapk3	NM_178907	172.40	180.28	194.10	209.98	220.40	256.16	325.28	276.52	304.99	180.34	187.38	206.17	185.54	200.36	196.53	294.00	306.43	267.35	0.04	0.00	0.76	0.00
ILMN_1219162	Zswim6	XM_358311.5	76.56	62.98	43.07	78.08	67.51	76.87	83.93	102.90	90.34	55.10	62.21	56.27	69.81	68.24	66.24	122.76	111.46	93.37	0.27	0.05	0.01	0.00
ILMN_2751653	Pnpla8	NM_026164.2	73.46	113.50	93.61	115.46	101.56	129.60	149.40	196.52	156.97	85.18	111.46	92.76	85.06	115.91	110.40	173.66	168.39	156.97	0.19	0.02	0.58	0.00
ILMN_2454970	4831403C07Rik		42.74	66.05	64.90	80.90	60.64	72.65	93.87	94.77	128.79	71.52	59.14	47.86	73.61	52.82	65.49	94.15	89.12	83.48	0.23	0.03	0.65	0.02
ILMN_1236079	Gm129	NM_001033302.1	20.00	20.00	33.45	22.73	23.61	47.80	387.95	430.24	545.12	20.00	27.65	21.66	20.00	23.74	20.00	411.92	522.52	426.62	0.50	0.00	0.52	0.00
ILMN_2745463	1810022O10Rik	XM_145521	73.36	66.68	53.75	73.10	74.66	91.24	120.35	126.26	102.01	79.16	73.17	67.43	76.47	75.10	73.17	142.06	132.53	113.64	0.14	0.01	0.66	0.00
ILMN_1241903	Klf4	NM_010637.2	80.72	83.03	131.81	119.70	95.22	146.59	263.44	387.52	444.06	137.69	126.65	142.34	144.17	137.66	146.33	462.02	458.94	438.00	0.38	0.01	0.25	0.00
ILMN_1258357	Dok3	NM_013739.2	20.00	20.00	20.53	23.12	25.04	26.57	44.90	34.82	59.54	20.00	27.22	24.85	36.67	33.69	29.66	48.84	42.49	38.06	0.01	0.02	0.03	0.01
ILMN_2771760	BC064033	NM_173375	38.70	60.23	43.89	54.15	70.08	50.49	263.28	368.69	246.51	20.00	38.90	36.31	27.85	33.53	23.90	193.64	208.94	280.68	0.30	0.00	0.64	0.00
ILMN_2727068	Fgfr1	NM_010206.2	33.20	40.35	36.04	35.77	42.86	58.75	138.14	193.69	235.16	25.01	36.42	41.87	42.55	41.83	50.33	155.56	187.16	221.39	0.26	0.01	0.14	0.00
ILMN_2699522	Dyrk3	NM_145508.2	179.35	153.70	126.14	181.62	186.92	190.76	473.77	515.07	524.52	187.84	175.81	183.62	257.41	202.13	201.52	566.31	596.42	629.42	0.10	0.00	0.11	0.00
ILMN_2825446	Sdcbp2	NM_145535.1	110.65	128.42	92.07	132.68	131.85	139.00	251.73	251.78	215.59	106.04	98.20	85.95	130.57	88.21	95.23	302.75	254.11	258.26	0.09	0.00	0.61	0.00
ILMN_1223695	5830415F09Rik	NM_029086.2	68.30	70.89	97.19	95.86	88.95	101.57	201.13	259.53	342.84	109.54	91.35	82.09	95.72	73.45	68.39	264.17	214.97	208.46	0.17	0.01	0.26	0.00
ILMN_1216663	DXBwg1396e	NM_029836.1	57.66	45.58	40.01	44.29	61.10	71.11	103.71	91.37	108.36	61.74	46.11	42.29	53.15	54.63	54.28	82.29	94.01	105.80	0.30	0.00	0.54	0.01
ILMN_1216794	2610302F08Rik	AK011964	20.00	30.82	30.67	37.18	20.00	46.39	72.98	76.38	111.22	41.85	38.11	23.01	43.53	37.36	27.65	143.38	103.34	126.09	0.44	0.01	0.81	0.00
ILMN_1213617	Ctsa	NM_001038492.1	208.71	230.17	306.10	283.09	252.54	374.68	578.41	562.36	817.88	313.20	312.65	311.91	329.17	337.02	348.94	840.40	784.65	853.68	0.31	0.01	0.01	0.00
ILMN_2699356	Ddx59	NM_178052.3	24.72	38.63	52.73	35.70	47.59	53.75	85.29	83.34	116.06	59.49	50.87	29.36	33.97	35.17	34.79	119.53	89.00	86.97	0.51	0.01	0.25	0.02
ILMN_2451486	E430026H10Rik		47.70	53.36	47.72	74.44	59.78	49.36	115.81	127.51	111.12	50.06	45.51	55.04	73.41	60.81	58.51	94.63	76.14	107.55	0.20	0.00	0.06	0.01
ILMN_1213359	Mapk6	AK044752	30.28	28.81	30.46	37.21	34.41	37.22	41.44	51.54	58.33	26.38	28.49	34.59	30.58	30.62	37.21	60.31	56.43	71.16	0.00	0.01	0.42	0.00
ILMN_1231608	1700003E16Rik	XM_001478332.1	20.00	20.00	22.59	20.30	20.00	39.85	40.18	30.21	34.80	23.86	20.00	23.11	32.44	36.53	20.00	40.93	29.81	34.51	0.43	0.01	0.22	0.02
ILMN_1252016	Abhd2	NM_018811.6	64.05	66.37	67.35	77.82	70.11	93.32	144.34	137.04	117.77	86.83	87.05	86.76	60.15	82.21	67.88	193.05	193.86	183.90	0.10	0.00	0.06	0.00
ILMN_2572109	D130032I18Rik	AK051308	37.24	26.43	24.54	41.01	33.86	30.86	60.04	64.71	53.64	22.56	23.28	26.77	27.75	24.24	20.00	46.83	34.92	43.27	0.31	0.00	0.94	0.01
ILMN_1223710	Pmm1	AK013805	212.12	198.57	189.11	249.11	221.46	255.77	343.23	311.40	386.20	242.32	295.16	281.26	331.01	355.98	359.49	420.63	419.58	416.92	0.03	0.00	0.01	0.00
ILMN_1233243	Ivl	NM_008412.2	67.99	81.01	69.13	73.70	92.14	99.32	122.96	202.16	218.54	77.43	70.56	67.30	74.69	69.92	68.47	168.52	166.47	172.30	0.15	0.02	0.84	0.00
ILMN_1226332	Siah2	NM_009174.3	160.22	161.89	72.15	195.10	182.17	93.13	509.71	497.87	227.55	80.67	94.16	88.57	93.07	110.18	90.78	339.46	271.47	261.73	0.59	0.04	0.23	0.00
ILMN_2563884	5730478M09Rik	AK043059	51.85	48.17	28.63	55.77	53.34	42.51	89.09	108.19	89.80	61.22	40.88	47.37	40.60	57.30	38.90	74.34	109.42	80.88	0.41	0.01	0.64	0.04
ILMN_1221190	Ccdc58	NM_198645.1	20.00	37.19	35.94	30.18	29.58	52.63	71.01	63.92	94.02	34.98	51.97	37.63	36.32	42.64	50.11	69.91	71.50	63.22	0.53	0.01	0.83	0.01
ILMN_1230145	Acvr2b	NM_007397.2	60.61	59.96	61.98	59.62	67.79	96.97	136.09	126.77	209.24	80.75	70.58	76.52	90.39	72.07	59.10	179.24	137.67	137.83	0.29	0.02	0.84	0.01
ILMN_2630039	E130014J05Rik	NM_145989	51.76	53.98	42.87	59.39	62.06	56.52	88.04	121.68	140.69	58.88	62.54	48.09	82.25	47.08	59.08	125.30	131.64	118.69	0.06	0.01	0.60	0.00
ILMN_1219053	E130106L15Rik	AK028953	27.95	26.02	41.06	47.27	27.01	40.11	46.22	51.07	65.79	35.47	28.79	37.61	36.43	37.81	37.43	76.93	58.32	51.08	0.44	0.04	0.29	0.03
ILMN_1228139	Gnpda1	NM_011937.1	50.83	51.90	50.65	62.57	58.36	62.74	315.35	369.11	198.97	45.88	48.26	61.93	58.53	66.35	60.81	246.32	254.46	282.21	0.00	0.01	0.15	0.00
ILMN_2672380	Arhgap22	NM_153800.3	34.38	49.45	38.91	46.76	45.98	52.73	100.09	107.32	71.17	38.53	72.09	63.44	53.11	72.82	69.78	125.23	218.60	195.84	0.20	0.01	0.57	0.02
ILMN_2423282	Dleu2		73.21	66.56	106.55	82.91	69.22	154.75	179.59	177.98	260.94	125.34	88.65	95.62	125.42	98.00	120.04	265.91	218.19	164.65	0.53	0.01	0.47	0.02

ILMN_2619408	Atf3	NM_007498.2	142.49	162.26	175.56	171.55	185.55	218.13	693.07	670.63	676.53	137.82	131.44	141.97	118.13	115.26	122.00	618.75	650.85	494.16	0.13	0.00	0.01	0.00
ILMN_1253387	Klf5	NM_009769.4	283.82	291.40	391.23	370.19	345.82	432.28	566.16	614.82	684.93	410.99	430.44	366.10	577.35	546.67	513.81	1240.20	1129.53	1012.78	0.23	0.00	0.01	0.00
ILMN_2722938	Myd116	NM_008654.1	228.45	266.53	277.97	308.46	259.73	360.54	1229.27	1310.39	1785.27	270.07	267.87	242.43	271.75	282.80	254.23	1418.53	1481.15	1214.23	0.19	0.00	0.48	0.00
ILMN_2513451	1110046J11Rik		660.87	679.71	736.06	788.71	769.62	924.48	1940.21	2029.50	2496.58	733.07	646.60	625.62	919.74	800.57	769.57	1929.64	2032.77	1879.53	0.07	0.00	0.05	0.00
ILMN_2658553	Gys3	NM_008195	24.20	22.78	24.36	23.96	34.40	27.61	70.58	85.01	76.17	23.44	22.53	20.00	20.00	23.40	20.17	83.79	75.73	73.94	0.19	0.00	0.62	0.00
ILMN_2580585	D630035D13Rik	AK085493	44.93	47.51	46.96	58.37	48.44	60.07	76.89	72.95	84.37	48.58	58.01	44.13	67.61	43.50	52.64	83.79	78.36	95.54	0.07	0.00	0.62	0.01
ILMN_1238592	Pigh	NM_029988.2	88.38	66.09	61.74	83.93	75.72	95.94	109.43	111.91	120.52	90.79	90.94	91.76	77.93	68.92	84.47	150.33	155.84	131.31	0.26	0.01	0.04	0.00
ILMN_2499888	Zzz3	NM_198416.2	42.53	56.56	73.46	51.57	65.75	87.63	94.51	107.80	160.03	80.59	52.93	56.01	77.58	63.07	52.29	149.43	128.01	99.95	0.48	0.04	0.93	0.02
ILMN_2515601	Vldlr	NM_013703.1	65.60	80.40	91.01	91.22	81.69	108.26	345.40	287.24	424.75	107.78	98.70	100.85	161.52	148.19	138.58	469.54	367.89	264.04	0.24	0.00	0.00	0.01
ILMN_2712900	Sars	NM_011319.2	220.87	243.85	214.01	274.08	246.44	284.41	434.72	486.79	416.29	212.39	234.75	231.10	239.85	241.49	251.28	572.78	551.46	482.28	0.04	0.00	0.08	0.00
ILMN_2714638	Mertk	NM_008587.1	20.00	20.00	20.00	27.65	22.17	21.72	56.54	66.34	118.11	20.00	20.00	20.00	20.00	20.00	20.00	55.15	63.40	54.09	0.11	0.03	1.00	0.00
ILMN_1251514	4930556B16Rik	AK080679	22.05	22.61	20.00	31.01	20.00	26.73	49.77	51.46	59.63	39.91	23.34	24.86	31.87	32.72	21.63	43.04	68.26	57.20	0.26	0.00	0.93	0.04
ILMN_2909346	Mapkapk3	NM_178907.1	178.38	216.20	237.46	215.06	256.05	276.08	409.86	417.85	493.02	222.38	215.15	213.69	261.78	227.70	231.51	448.59	386.23	276.69	0.20	0.00	0.10	0.04
ILMN_1224250	B230342M21Rik	NM_133898.3	313.23	313.32	337.68	452.35	396.92	306.15	1026.17	1018.24	992.63	299.00	341.86	317.19	515.85	482.48	426.44	849.83	908.90	784.49	0.22	0.00	0.01	0.00
ILMN_2776850	Gas7	NM_008088.1	205.23	236.16	250.60	215.98	278.91	331.34	652.23	645.24	911.25	182.05	178.45	169.49	209.84	195.78	173.43	615.33	463.90	456.04	0.28	0.00	0.22	0.00
ILMN_2646836	4933421E11Rik	NM_001039488.1	100.20	95.93	75.50	94.64	119.28	105.41	177.95	221.71	131.13	64.50	80.55	97.60	67.67	81.07	103.76	110.92	131.99	149.16	0.20	0.03	0.83	0.03
ILMN_2621761	Polm	NM_017401.1	56.88	53.33	68.05	50.91	62.29	106.56	100.37	100.05	146.99	55.26	51.95	61.35	52.32	70.64	63.12	108.71	132.50	83.84	0.47	0.03	0.38	0.02
ILMN_1231877	4930431J19Rik	AK015272	40.94	32.38	37.79	39.04	38.99	53.57	57.40	70.38	53.61	53.67	38.71	44.24	43.12	43.03	63.41	76.30	60.90	85.24	0.28	0.01	0.62	0.03
ILMN_3116885	Gpr137b	NM_031999.1	115.91	103.42	121.77	146.92	136.30	118.21	332.16	354.99	330.42	117.68	154.96	146.75	149.66	173.51	191.67	610.32	580.98	668.21	0.11	0.00	0.13	0.00
ILMN_2617468	Chac1	NM_026929.3	1197.50	1249.78	1341.47	1447.23	1399.29	1603.09	6700.57	7643.64	8162.94	1430.38	1284.44	1451.24	1587.01	1357.15	1345.30	9968.12	7464.58	7653.06	0.04	0.00	0.69	0.00
ILMN_2877227	Snx13	NM_001014973.1	130.71	128.02	155.50	170.38	173.43	142.34	231.79	228.42	212.37	147.95	149.21	154.06	114.72	141.17	145.78	217.49	263.60	215.51	0.14	0.00	0.17	0.01
ILMN_3156010	Pdzrn3	NM_018884.1	2390.48	2183.45	1933.58	2625.69	2591.55	2394.40	3629.02	4306.72	2978.44	1707.97	2006.43	1806.46	2172.69	2193.73	2089.25	2534.07	3453.11	2841.47	0.07	0.02	0.03	0.02
ILMN_2821850	Nampt	NM_021524.1	877.89	857.57	387.73	1007.13	1043.93	446.26	2831.82	3325.92	1848.71	433.33	380.19	490.37	443.28	394.73	505.95	1653.08	1497.39	1972.42	0.65	0.01	0.78	0.00
ILMN_2599986	Tead4	NM_001080979.1	24.10	20.00	40.54	20.00	41.71	37.41	74.01	99.03	117.24	30.86	28.76	37.65	23.93	34.94	28.62	172.53	119.33	113.04	0.63	0.01	0.48	0.01
ILMN_2656268	Fmnl2	NM_172409.2	1032.43	1056.99	977.54	1119.93	1245.72	1219.03	1465.64	1800.04	2116.26	1072.32	904.23	871.55	1184.96	1000.88	995.66	1675.55	1477.79	1307.19	0.02	0.02	0.28	0.01
ILMN_2628940	Lmcd1	NM_144799.1	20.10	20.00	43.26	28.57	28.13	34.42	56.49	55.23	78.23	38.76	22.07	20.00	24.67	21.44	20.00	81.99	63.89	58.15	0.76	0.03	0.47	0.01
ILMN_2693922	Egfr	NM_207655.2	852.13	906.11	801.46	962.54	986.03	1036.28	1359.18	1485.30	1907.28	640.18	673.48	561.00	658.54	562.59	514.56	1266.32	1135.65	999.13	0.02	0.01	0.44	0.00
ILMN_1218097	4921520G13Rik	NM_025732.3	37.10	46.80	40.99	40.55	34.55	80.73	77.02	85.03	104.21	64.27	42.13	37.03	45.84	42.29	46.29	110.07	105.59	78.17	0.52	0.01	0.74	0.02
ILMN_1229091	LOC100047427	XM_001478949.1	54.34	37.05	52.32	64.17	42.97	60.70	152.19	138.31	241.77	67.81	65.56	54.12	85.26	35.85	46.73	175.79	204.62	166.66	0.40	0.02	0.70	0.00
ILMN_1254034	scl0002540.1_6	AK019418.1	138.33	125.91	141.06	154.05	152.23	166.41	230.38	233.89	339.33	113.76	99.68	88.93	108.12	111.29	106.84	236.42	190.76	223.83	0.03	0.02	0.34	0.00
ILMN_2690122	Slc27a1	NM_011977.2	66.10	65.35	97.88	80.71	77.83	106.78	282.46	277.93	275.41	109.69	92.44	105.28	102.58	94.79	89.01	274.74	326.54	287.71	0.44	0.00	0.34	0.00
ILMN_2497349	Zkscan14	NM_023322.2	431.50	452.91	495.82	570.69	470.81	570.19	812.68	724.12	981.14	482.98	373.61	411.58	557.00	456.69	458.16	769.66	675.91	663.91	0.11	0.01	0.22	0.00
ILMN_2752754	Mcph1	NM_173189.2	56.03	41.43	52.78	51.51	54.76	68.56	74.99	81.79	100.92	53.61	58.49	64.44	48.85	53.58	56.76	102.10	120.31	83.65	0.30	0.02	0.21	0.02
ILMN_1230688	Ilf2	AK031892	145.80	126.94	160.05	177.84	159.54	163.80	203.09	234.80	276.04	153.69	143.90	142.56	146.89	159.59	133.91	237.33	248.76	220.61	0.11	0.02	0.99	0.00
ILMN_2711267	Krt18	NM_010664.1	106.65	163.28	156.04	142.09	163.51	183.44	400.83	410.47	366.21	72.71	97.77	96.42	65.09	81.46	87.02	371.96	456.45	526.95	0.38	0.00	0.35	0.00
ILMN_1246419	Grhl1	NM_145890.1	51.28	56.18	33.79	60.13	45.19	56.11	112.81	112.19	103.34	55.79	49.50	35.12	56.38	52.00	60.41	92.18	88.56	97.90	0.45	0.00	0.22	0.00
ILMN_2745462	1810022O10Rik	XM_145521	48.75	67.05	51.97	59.81	69.45	64.03	90.91	94.19	79.04	70.26	60.66	72.37	71.39	51.18	65.74	109.10	99.28	96.41	0.25	0.01	0.52	0.00
ILMN_2667091	Ppp1r3c	NM_016854.2	20.00	20.00	20.00	20.00	20.88	29.76	98.48	73.23	102.95	20.00	20.00	20.00	20.00	20.00	20.00	44.06	49.80	32.85	0.32	0.00	1.00	0.01
ILMN_2993109	Ddit4	NM_029083.1	1277.22	1275.88	1091.36	1525.81	1313.58	1375.65	3975.40	4168.73	4123.95	1105.19	1263.84	1267.74	1506.44	1731.88	1764.80	4158.42	4687.04	3869.07	0.10	0.00	0.01	0.00
ILMN_2618037	AA589481	NM_172162	40.82	40.69	38.38	44.24	44.17	50.46	57.18	56.83	75.26	57.76	48.54	45.28	52.72	56.96	53.53	89.60	71.58	76.37	0.05	0.02	0.38	0.01
ILMN_1244110	Ccdc93	NM_001025156.1	40.95	46.38	73.71	55.57	60.47	64.21	84.24	86.33	116.93	42.94	64.83	65.25	54.51	67.23	59.36	122.40	150.88	147.64	0.57	0.05	0.76	0.00
ILMN_2514939	2010204O13Rik		116.45	120.81	70.41	147.51	148.97	69.30	182.13	190.96	135.23	90.10	76.62	99.00	78.93	69.90	98.69	147.41	122.76	179.30	0.56	0.05	0.60	0.03
ILMN_2684104	Egf	NM_010113.2	35.12	24.31	33.28	35.41	33.11	37.11	71.01	82.38	71.23	25.60	27.06	33.78	26.74	45.82	39.08	63.31	47.40	41.60	0.29	0.00	0.24	0.03
ILMN_2468405	5630401D06Rik		356.39	369.33	437.70	465.53	397.37	475.05	789.07	607.08	894.84	494.20	459.71	368.31	444.41	424.18	386.60	795.65	769.89	706.66	0.17	0.01	0.62	0.00
ILMN_1227993	Vav3	NM_020505.2	187.93	210.35	211.61	207.28	217.78	282.49	650.47	761.45	875.49	211.97	166.38	189.51	241.02	201.28	207.30	718.89	632.81	619.10	0.26	0.00	0.21	0.00
ILMN_1225090	Gdf9	NM_008110.1	20.00	20.00	43.78	39.28	20.43	33.22	68.30	57.28	103.96	47.12	21.17	31.81	38.49	35.18	36.04	96.50	85.87	60.12	0.77	0.04	0.69	0.02
ILMN_2629581	Cox6a2	NM_009943.2	21.28	20.00	22.91	23.67	24.11	25.94	48.78	55.29	38.16	27.93	25.37	20.00	29.63	20.00	24.69	35.94	50.00	34.80	0.04	0.01	0.93	0.04
ILMN_2595857	Ankrd37	NM_001039562.1	175.34	150.65	115.29	231.59	163.04	121.70	2026.40	2162.24	1321.20	96.64	98.54	112.87	65.33	77.86	81.76	1181.37	1264.40	1193.36	0.53	0.00	0.02	0.00
ILMN_2859712	Zfyve1	NM_183154.2	84.91	82.21	55.82	95.77	85.77	71.56	161.91	172.49	117.47	59.00	96.45	79.81	85.51	79.57	85.20	119.27	145.23	113.87	0.44	0.02	0.67	0.03
ILMN_1242837	Gtf2ird2	NM_053266.1	428.25	421.06	452.44	513.69	466.03	513.33	652.99	735.03	684.90	456.17	420.02	411.93	492.85	506.19	502.22	768.51	650.11	730.66	0.03	0.00	0.01	0.00
ILMN_2566321	9930108O06Rik	AK037075	150.95	145.22	135.01	167.98	150.39	175.50	331.32	327.31	293.79	134.24	127.62	121.99	187.58	130.11	109.24	263.99	206.95	258.45	0.08	0.00	0.58	0.00
ILMN_2647864	Ogt	NM_139144.2	177.26	153.39	126.07	152.23	168.27	200.12	311.57	355.45	352.26	201.57	142.04	159.41	162.12	165.69	142.99	334.43	234.65	272.69	0.36	0.00	0.60	0.03
ILMN_1243711	Adarb1	NM_001024838.1	106.01	112.19	133.90	122.64	115.66	167.12	174.49	158.65	231.64	138.27	112.00	98.13	123.34	115.41	122.67	211.36	190.70	180.84	0.38	0.04	0.74	0.01
ILMN_1213954	Sgk1	NM_011361.1	9753.11	10127.81	10367.42	11794.99	11006.07	11731.07	12277.49	15266.57	18713.11	11432.49	9301.67	9894.21	12884.46	11818.58	11969.33	18122.80	16336.71	16372.14	0.01	0.05	0.05	0.00
ILMN_1226017	2610035D17Rik	XM_902349.2	182.47	151.05	170.42	158.14	158.74	277.70	243.65	338.50	445.24	206.25	144.27	169.22	248.80	153.66	206.58	337.74	378.16	269.14	0.50	0.04	0.42	0.01
ILMN_2536518	LOC383942	XM_357338.1	611.47	626.51	724.41	728.52	713.21	792.46	941.86	1005.37	1259.03	720.37	694.93	716.27	831.79	736.10	777.17	1287.70	1166.89	1214.76	0.10	0.02	0.07	0.00
ILMN_2475376	BC044804	NM_178035	122.91	113.30	93.80	111.94	116.65	147.89	277.86	259.56	270.37	107.20	116.36	111.36	91.33	105.51	103.89	201.35	161.65	171.11	0.34	0.00	0.09	0.01
ILMN_2426079	Gpr137b	NM_031999.2	134.85	184.32	86.29	166.86	170.17	111.66	422.25	483.71	410.12	146.91	183.95	173.93	152.44	199.02	225.17	575.61	588.53	776.52	0.69	0.00	0.37	0.00
ILMN_3029489	Gm129	NM_001033302.1	129.52	106.83	140.41	130.12	132.67	165.63	1384.65	1457.87	2373.83	109.98	96.49	98.96	111.33	81.59	79.17	1503.27	1336.79	1268.68	0.32	0.01	0.38	0.00
ILMN_1243921	5330431K02Rik	NM_026606.1	101.39	88.55	107.41	108.71	101.63	128.30	181.09	169.91	180.29	108.38	122.93	112.45	140.54	117.59	113.75	277.36	196.69	198.84	0.23	0.00	0.38	0.02
ILMN_2636755	Asns	NM_012055.3	836.36	837.98	515.12	938.85	941.36	598.29	1738.25	1976.94	1055.16	724.89	551.75	760.37	718.94	657.50	696.48	1736.31	1167.91	1579.78	0.57	0.04	0.87	0.01
ILMN_1224128	Nfe2l2	NM_010902.3	382.57	329.22	331.03	410.97	391.41	379.54	553.30	600.30	549.41	477.53	474.39	466.80	618.22	690.54	720.40	922.57	883.87	908.88	0.08	0.00	0.00	0.00
ILMN_2747456	Ivns1abp	NM_054102.2	990.46	999.29	1161.44	1190.47	1063.98	1321.02	1571.57	1846.10	2258.10	1190.66	1050.42	1157.58	1381.58	1229.91	1216.38	2375.91	1941.73	2253.15	0.20	0.02	0.10	0.00
ILMN_1252210	2700097O09Rik	NM_028314.1	802.88	624.47	569.20	848.35	753.50	647.13	1603.71	1499.20	1381.98	598.13	595.84	684.36	638.15	704.96	717.84	1191.93	1277.87	1279.52	0.41	0.00	0.19	0.00
ILMN_1257872	4933434E20Rik	NM_025762.1	1454.11	1637.07	1793.74	1737.56	1719.00	2071.72	2801.07	2580.51	3483.60	2114.37	1729.82	1794.29	1913.29	1948.20	1917.33	3013.89	3210.39	3014.00	0.23	0.01	0.72	0.00
ILMN_2750548	Gnpda1	NM_011937	56.99	70.27	100.96	70.50	70.54	117.76	336.12	353.57	375.69	81.09	93.06	83.35	96.53	98.76	67.74	393.56	399.16	473.84	0.64	0.00	0.87	0.00
ILMN_2465589	Tsc1	NM_022887.3	67.88	54.54	85.80	61.42	71.73	104.18	246.33	255.54	311.14	107.94	82.04	90.32	83.60	71.70	77.93	294.75	295.60	229.55	0.57	0.00	0.13	0.00
ILMN_2948945	Sesn2	NM_144907.1	85.48	84.77	104.81	76.42	108.58	131.94	320.76	316.43	380.24	87.74	97.23	92.69	112.16	121.43	106.75	346.93	319.51	314.58	0.47	0.00	0.01	0.00
ILMN_3116504	Akap2	NM_009649.2	243.81	212.43	208.30	253.21	262.53	233.70	345.47	341.92	366.70	224.74	268.82	285.32	263.61	245.58	265.98	436.27	478.81	460.68	0.11	0.00	0.95	0.00
ILMN_3072676	Ankrd12	NM_001025572.1	357.76	407.30	495.83	469.42	402.90	549.02	1046.88	1056.52	1677.71	433.03	391.67	389.09	496.98	391.90	356.65	1348.45	1180.17	1092.15	0.41	0.02	0.82	0.00
ILMN_2620767	Abhd2	NM_018811.6	154.85	153.61	167.86	176.57	165.82	195.95	372.09	317.38	394.67	164.11	145.74	155.67	176.56	164.59	162.15	454.58	367.86	357.14	0.11	0.00	0.14	0.00
ILMN_1245030	Hel308	NM_001081107.1	66.71	67.30	72.88	64.40	78.15	93.42	150.01	123.12	207.64	110.47	75.18	78.99	92.10	82.25	96.06	171.16	186.53	164.11	0.32	0.02	0.88	0.00
ILMN_1227624	Elac1	NM_053255.3	89.29	80.36	84.20	93.50	103.94	89.23	133.66	130.36	117.45	72.98	79.72	72.55	82.62	68.97	64.26	115.09	117.52	115.25	0.10	0.00	0.63	0.00
ILMN_1252493	Slc6a6	AK041141	133.02	135.01	140.58	146.09	153.71	161.02	306.39	278.40	382.19	207.53	150.17	140.82	149.30	140.51	145.13	341.14	314.92	290.72	0.02	0.00	0.37	0.00
ILMN_1244451	LOC100047273	XM_001478032.1	45.64	38.32	53.99	48.34	40.99	68.26	102.46	113.21	127.77	59.91	51.40	57.27	54.09	57.90	51.01	110.00	97.86	103.77	0.52	0.00	0.59	0.00
ILMN_2448651	Ampd3	NM_009667.2	436.96	468.11	373.52	510.10	440.90	486.01	984.62	765.09	988.27	593.37	452.91	485.55	712.83	548.25	578.27	1221.23	1020.29	949.83	0.20	0.00	0.20	0.00
ILMN_2765524	Swap70	NM_009302.2	513.15	505.27	412.56	554.11	535.94	514.74	1187.09	1350.44	1080.93	501.74	429.22	438.39	456.76	457.64	528.01	1204.85	979.60	1212.23	0.17	0.00	0.50	0.00
ILMN_2606295	Gch1	NM_008102.3	382.42	380.87	360.80	418.68	411.71	434.86	734.88	679.06	713.68	406.58	407.55	362.65	576.02	555.38	552.10	1154.95	981.31	990.52	0.01	0.00	0.00	0.00
ILMN_2768992	Hs1bp3	NM_021429.2	74.73	46.34	96.50	86.70	54.71	100.03	191.93	178.55	248.01	113.75	86.67	87.74	93.08	85.14	65.95	246.04	228.00	196.09	0.71	0.01	0.29	0.00
ILMN_2486012	C330006P03Rik		128.82	119.36	147.02	166.37	145.88	132.24	264.65	239.30	289.87	141.21	109.26	109.03	135.60	108.47	104.10	297.32	206.51	205.08	0.27	0.00	0.81	0.02
ILMN_2678521	Gpr146	NM_030258.2	72.37	68.52	90.03	87.63	71.29	100.69	465.43	380.82	522.15	74.92	83.95	69.43	72.33	75.74	65.76	380.57	483.21	379.01	0.43	0.00	0.40	0.00
ILMN_1218890	LOC381140	XM_355056.1	485.21	443.97	646.31	537.43	487.57	748.17	3047.96	3782.05	5062.13	515.04	467.12	474.18	465.01	420.55	404.80	3823.36	4454.26	3211.61	0.55	0.00	0.08	0.00
ILMN_2993221	Slc4a4	NM_018760.1	340.71	350.63	320.64	367.56	364.11	402.78	539.30	527.64	626.90	339.18	330.38	280.20	351.87	320.40	261.30	561.63	492.16	463.37	0.05	0.00	0.88	0.01
ILMN_2592449	1810031K17Rik	NM_026977.1	35.66	45.03	48.80	49.11	47.13	47.59	87.16	122.08	150.31	41.65	43.60	54.54	63.33	64.32	67.29	173.30	151.76	121.55	0.29	0.01	0.01	0.00
ILMN_2489564	9430064K01Rik		67.26	50.22	55.78	91.62	45.54	63.10	173.55	153.01	209.42	53.83	53.34	66.72	51.85	61.91	78.98	110.29	98.88	134.10	0.56	0.00	0.53	0.01
ILMN_1237964	Sh3yl1	NM_013709.4	119.79	105.55	155.39	117.94	135.52	171.81	198.48	258.99	344.02	154.12	118.43	141.69	144.43	124.47	97.41	251.76	240.75	193.17	0.53	0.04	0.41	0.01
ILMN_2710819	Csf1r	NM_001037859.2	60.08	56.11	59.23	63.54	60.20	72.89	178.33	201.93	200.83	72.57	56.88	69.83	77.49	67.89	85.54	243.90	201.52	207.42	0.15	0.00	0.21	0.00
ILMN_2450767	Dusp4	NM_176933	1101.23	995.62	628.53	1232.10	1279.98	609.69	2584.77	4196.06	2483.70	579.05	641.48	631.89	566.12	654.17	703.56	3100.25	3029.57	3397.28	0.64	0.02	0.62	0.00
ILMN_3160616	Whdc1	NM_001004185.2	83.28	63.91	67.59	88.26	80.38	70.73	163.67	193.23	231.74	103.34	99.13	98.19	110.07	83.20	106.23	170.54	199.11	160.72	0.35	0.00	0.97	0.00
ILMN_2695199	St3gal6	NM_018784.2	150.75	146.04	179.40	156.75	186.16	188.72	272.87	236.90	333.75	207.56	163.41	171.18	243.24	198.84	216.65	357.29	319.83	312.47	0.27	0.02	0.11	0.00
ILMN_1239397	LOC100047934	XM_001478074.1	1394.93	1343.54	1572.55	1590.72	1486.99	1732.83	7642.36	8752.43	10253.49	1636.88	1202.82	1195.65	1470.36	1281.09	1311.55	8679.76	7717.79	6663.32	0.17	0.00	0.96	0.00
ILMN_2446727	Ddhd1	NM_176845	43.96	28.40	43.14	40.39	35.98	51.24	68.59	77.00	70.90	52.22	34.13	46.71	64.63	30.87	79.54	91.53	73.41	91.46	0.58	0.00	0.41	0.01
ILMN_2550040	Zfp99	AK009842	140.75	104.17	95.22	123.50	157.90	98.84	198.68	229.35	149.39	90.43	101.16	99.40	93.01	100.55	110.40	182.69	152.68	119.63	0.58	0.04	0.51	0.04
ILMN_2510875	Dnajb9	NM_013760.4	509.51	498.90	156.20	555.96	585.23	168.39	1760.63	2022.96	788.07	213.53	223.69	233.99	264.75	210.57	286.39	969.99	809.88	1261.94	0.80	0.04	0.27	0.00
ILMN_1225372	Tsc1	AK083363	39.75	57.72	60.58	59.65	53.31	60.25	174.71	162.97	269.78	67.67	58.66	70.61	91.07	81.74	52.95	199.52	166.52	165.04	0.50	0.01	0.47	0.00
ILMN_1258922	Magi1	NM_010367.2	168.56	162.88	120.91	177.22	172.65	149.54	297.75	316.48	264.39	160.76	151.80	169.49	173.66	147.25	177.19	319.08	225.94	285.45	0.42	0.00	0.64	0.01
ILMN_2606130	Pcgf1	NM_197992.1	582.24	595.57	730.34	640.41	590.62	921.01	1119.35	1078.92	1658.75	764.26	574.43	637.19	792.06	716.99	627.91	1200.50	1131.85	1034.92	0.51	0.03	0.50	0.00
ILMN_2819929	Plod2	NM_011961.1	257.34	262.20	273.00	304.54	274.42	301.99	406.40	400.87	428.02	278.04	266.40	204.05	263.24	199.32	204.97	400.36	399.31	374.22	0.05	0.00	0.43	0.00
ILMN_2683528	Gdpd1	NM_025638.1	560.97	593.39	708.76	595.56	634.46	854.59	1298.70	1454.96	2029.71	849.60	736.01	804.96	859.04	818.45	879.40	2032.32	1879.20	2001.28	0.47	0.01	0.21	0.00
ILMN_2920736	Bbc3	NM_133234.1	204.26	256.88	241.16	269.26	232.30	276.85	471.72	518.39	544.54	270.51	274.11	213.05	288.35	316.54	287.65	608.93	589.27	605.02	0.29	0.00	0.11	0.00
ILMN_2438727	3110043O21Rik	NM_001081343.1	233.90	275.91	245.56	280.26	289.58	266.94	447.89	485.32	458.51	301.26	234.68	261.31	295.42	254.58	243.57	444.59	382.91	380.97	0.13	0.00	0.96	0.01
ILMN_3031781	Arid5b	NM_023598.2	114.62	177.59	177.01	155.58	131.75	240.19	272.66	288.00	308.41	203.26	176.11	177.91	188.94	185.03	172.99	312.18	323.72	320.11	0.64	0.00	0.75	0.00
ILMN_2763739	BC032203	XM_924235.3	898.29	788.38	914.57	965.50	934.76	979.19	1356.06	1306.93	1595.56	778.46	819.46	683.92	852.36	823.12	835.99	1432.63	1397.06	1255.37	0.09	0.00	0.14	0.00
ILMN_2749737	Dpp7	NM_031843.2	1723.97	1657.41	1842.53	1822.84	1802.83	2184.84	5635.23	8128.70	10218.32	1718.38	1710.56	1698.87	1918.25	1776.31	1813.36	7083.22	7370.12	8784.97	0.22	0.01	0.04	0.00
ILMN_2783896	Atm	NM_007499.1	172.85	189.06	176.95	216.97	189.47	191.57	248.56	258.80	317.68	182.74	180.94	182.41	212.01	192.36	195.49	296.31	288.86	279.67	0.12	0.01	0.04	0.00
ILMN_1222199	Gls	XM_129846	91.51	112.35	91.40	101.77	104.08	120.36	195.61	226.85	222.68	129.18	110.51	113.88	93.74	112.85	101.64	231.65	220.04	198.89	0.32	0.00	0.13	0.00
ILMN_1258206	Atm	NM_007499.1	407.31	497.84	400.24	498.20	495.98	445.51	618.24	739.49	647.25	377.99	386.79	470.60	489.30	463.46	490.15	693.89	632.83	627.20	0.28	0.01	0.09	0.00
ILMN_2591469	Rhebl1	NM_026967.3	238.37	260.00	243.79	254.61	304.14	264.34	654.93	642.44	514.45	254.41	220.75	206.01	293.54	240.61	259.32	694.60	559.58	567.78	0.18	0.00	0.15	0.00
ILMN_1252594	D330046C14Rik	AK084811	126.12	126.33	97.69	132.74	122.33	129.12	227.35	207.57	251.88	93.73	99.87	104.19	112.60	100.67	114.69	201.34	190.82	215.17	0.32	0.00	0.13	0.00
ILMN_1238543	D130007C19Rik	AK051152	158.76	158.29	226.41	176.38	186.74	232.52	564.37	746.12	832.40	238.25	217.77	233.37	245.36	200.95	228.42	725.87	747.90	707.17	0.57	0.00	0.75	0.00
ILMN_2878501	Nedd4l	NM_031881.1	405.01	408.71	479.41	460.96	416.28	555.80	1065.40	1198.54	1158.46	520.52	465.15	461.18	545.13	504.76	490.21	1627.22	1278.30	1325.62	0.38	0.00	0.29	0.00
ILMN_2456495	Zfp553	NM_146201.1	94.48	89.54	70.03	88.57	95.68	93.90	134.62	135.23	165.99	83.56	86.40	54.80	96.96	90.67	80.62	138.72	110.25	133.49	0.36	0.01	0.26	0.02
ILMN_1237959	Nisch	AK004628	131.79	156.30	170.78	157.09	162.97	184.50	208.53	226.35	261.21	145.10	177.16	175.94	174.75	171.49	155.94	242.29	306.91	293.07	0.34	0.01	0.92	0.01
ILMN_2599667	Ap4m1	NM_021392.3	322.57	337.09	412.23	402.59	346.26	431.65	516.32	571.10	743.13	404.49	396.98	428.47	442.14	427.39	449.87	649.50	621.85	595.31	0.39	0.03	0.06	0.00
ILMN_2496664	Zfp346	NM_012017.2	106.28	105.60	113.02	124.42	137.69	99.29	208.93	201.81	250.13	107.35	97.26	99.43	107.75	102.03	115.98	237.10	186.33	210.20	0.35	0.00	0.23	0.00
ILMN_2694955	Igfbp4	NM_010517.2	27.36	28.33	20.00	33.82	30.71	20.00	36.93	40.45	43.29	46.11	31.46	32.50	32.54	32.57	20.00	60.44	52.74	54.84	0.58	0.01	0.26	0.02
ILMN_1236387	BC024537	NM_146237.1	272.97	276.22	290.68	305.08	258.95	371.23	416.16	553.63	736.28	340.75	309.33	331.34	355.55	336.19	360.56	595.26	573.77	601.11	0.39	0.04	0.12	0.00
ILMN_1221264	Klf4	NM_010637.1	39.49	53.47	82.65	58.49	55.87	71.45	128.59	179.39	196.57	72.27	80.63	71.88	69.43	81.10	74.62	299.84	234.13	213.54	0.81	0.01	0.98	0.00
ILMN_2597827	Arc	NM_018790.2	60.96	76.58	75.07	74.93	74.25	84.24	145.37	169.52	146.95	100.82	103.06	102.01	103.64	97.22	146.26	231.82	166.72	154.71	0.31	0.00	0.42	0.03
ILMN_1217517	Dclk1	NM_019978.2	117.46	121.72	133.81	126.27	126.78	159.59	229.79	233.50	254.23	122.59	102.33	87.88	97.53	104.77	86.15	234.73	186.41	169.77	0.33	0.00	0.52	0.01
ILMN_3022092	LOC544988	NM_001024712.1	48.64	41.70	24.64	51.49	34.76	37.27	93.85	96.48	78.50	56.31	46.26	41.11	41.79	37.21	37.72	89.15	102.09	105.30	0.76	0.00	0.13	0.00
ILMN_2621643	Col4a1	NM_009931.1	8954.81	9730.44	9729.30	9787.87	10880.24	10623.65	14704.02	16909.40	18851.49	8774.08	9319.06	9789.74	10578.15	10832.94	10607.98	17462.40	17266.02	16673.52	0.08	0.00	0.01	0.00
ILMN_2654635	Nagpa	NM_013796.2	72.55	106.12	63.23	80.23	84.85	95.42	138.37	166.63	138.50	62.58	114.14	78.82	99.18	94.04	81.05	169.86	167.86	180.51	0.68	0.01	0.72	0.01
ILMN_2791746	Pscd3	NM_011182.2	4260.80	4240.01	4181.49	4527.45	4384.72	5074.88	7102.30	7206.07	9062.48	3508.58	3367.07	3344.78	4114.42	3322.02	3312.08	6342.08	5956.32	6160.00	0.11	0.01	0.55	0.00
ILMN_2764549	BC031853	NM_172758.3	106.79	104.93	137.12	108.30	104.19	181.18	383.83	458.61	674.02	143.70	126.89	126.67	136.40	140.28	124.28	541.61	463.40	445.17	0.61	0.01	0.88	0.00
ILMN_2902575	Col4a3bp	NM_023420.1	98.03	107.21	116.15	100.21	117.64	137.78	207.96	159.01	232.81	151.86	140.06	127.78	132.67	134.01	113.39	232.57	224.29	205.54	0.40	0.01	0.24	0.00
ILMN_1216901	2600014M03Rik	NM_178620.2	37.39	52.09	31.12	49.92	33.94	47.59	81.11	98.85	63.91	40.70	43.48	41.99	44.79	51.96	44.59	97.03	101.87	84.98	0.67	0.03	0.12	0.00
ILMN_2550240	Gtpbp2	AK008731	191.99	170.45	208.01	192.53	182.12	257.71	296.24	326.75	402.24	232.47	195.92	192.69	186.50	189.07	188.20	337.26	377.23	302.16	0.47	0.01	0.21	0.01
ILMN_2613851	Zfp654	NM_028059.2	187.33	172.44	145.83	207.67	195.82	153.21	360.40	334.25	217.99	145.38	109.43	147.86	192.56	131.62	143.32	218.88	222.91	233.82	0.45	0.04	0.39	0.00
ILMN_1224433	D6Wsu163e	NM_138594.3	54.89	41.84	44.66	37.80	48.88	73.42	78.37	98.44	75.76	52.68	64.59	69.60	60.10	65.49	65.17	76.29	103.20	102.80	0.61	0.01	0.82	0.04
ILMN_1222184	Tbc1d24	NM_173186.3	132.12	129.55	109.63	148.57	137.42	121.48	294.92	356.14	212.69	103.15	126.02	108.85	115.85	114.96	124.62	224.24	236.69	249.86	0.32	0.02	0.48	0.00
ILMN_1219017	5031436O03Rik		665.47	657.86	591.62	734.28	702.44	663.70	1332.48	1698.93	1694.23	723.88	705.32	644.75	707.54	716.34	640.96	1791.53	1871.62	1868.94	0.12	0.00	0.93	0.00
ILMN_2852217	Gnpda1	NM_011937.1	438.25	526.37	593.41	536.83	570.53	590.65	1767.94	2119.40	2483.70	615.38	650.87	679.82	655.17	642.76	836.06	1999.48	2021.59	1864.40	0.38	0.00	0.39	0.00
ILMN_2774537	Hist1h1c	NM_015786	5635.68	5839.72	6184.01	5967.83	6164.52	7289.11	8176.86	11038.45	12785.42	4950.34	5024.75	4962.62	5212.17	5302.99	5265.61	11286.54	9551.62	10502.86	0.25	0.02	0.00	0.00
ILMN_3120827	Ctsa	NM_008906.3	25.10	22.82	51.78	22.46	33.15	52.47	110.21	160.81	196.91	52.28	33.30	42.68	47.01	55.63	39.20	142.04	152.62	169.99	0.84	0.01	0.57	0.00
ILMN_1234929	LOC100044968	XM_001473421.1	1043.37	968.62	965.69	1127.12	1154.21	988.08	2170.08	2748.74	2340.53	912.52	966.92	925.93	936.35	1007.82	937.58	1957.16	2033.98	2001.47	0.17	0.00	0.43	0.00
ILMN_2703263	Rabggtb	AF231926	103.22	121.92	85.55	106.14	117.64	113.50	200.25	248.23	263.59	136.82	134.87	114.39	101.76	112.44	101.99	255.50	246.15	233.91	0.47	0.00	0.04	0.00
ILMN_1213174	A330017A19Rik	XR_035388.1	30.07	46.70	41.32	49.63	34.26	44.93	66.00	82.54	99.89	51.14	47.45	44.14	51.58	62.91	50.06	62.96	104.35	101.38	0.62	0.02	0.18	0.04
ILMN_2448404	scl0002975.1_346	AK088505.1	147.03	143.46	138.78	177.38	145.33	149.45	302.76	353.85	361.12	161.37	129.18	135.95	163.88	133.49	158.76	285.97	319.44	268.63	0.24	0.00	0.51	0.00
ILMN_2866185	Btg1	NM_007569.1	3434.11	3298.78	2827.78	3511.62	3270.60	3669.60	6965.58	7023.74	7256.41	2987.21	3157.56	3615.01	3582.00	3857.58	3918.41	7359.91	7217.66	6638.35	0.24	0.00	0.07	0.00

ILMN_1239638	Creg1	NM_011804.2	328.52	357.39	415.07	357.26	386.44	464.12	728.56	928.92	1339.78	380.57	345.53	436.37	433.98	380.62	455.87	1046.67	1190.73	1069.55	0.43	0.03	0.36	0.00
ILMN_1229534	Rnf167	NM_027445.1	162.56	178.54	193.86	182.63	172.75	234.34	276.73	275.01	379.08	220.72	190.93	174.84	201.97	208.87	186.72	306.60	283.53	292.57	0.44	0.02	0.82	0.00
ILMN_1239221	2310016C08Rik	NM_023516.3	141.04	137.20	230.88	155.80	148.96	252.90	842.01	924.87	1357.60	239.12	218.68	175.36	213.58	207.48	207.98	1264.95	1383.05	1290.09	0.74	0.01	0.95	0.00
ILMN_2676434	Rnf38	NM_001038993.2	33.46	40.94	49.23	48.90	41.23	43.82	118.64	90.79	99.06	54.73	47.45	46.17	39.74	49.09	53.86	116.78	140.99	92.40	0.54	0.00	0.72	0.01
ILMN_1216487	Trrap	XM_988979.1	115.97	140.64	136.66	142.24	119.98	170.64	271.50	254.78	366.68	187.13	128.44	138.49	151.27	130.20	150.64	310.05	308.84	348.60	0.47	0.01	0.73	0.00
ILMN_1221258	2900093K20Rik	XM_488984	57.80	59.59	64.03	69.93	46.29	88.96	92.74	99.32	138.43	39.33	61.28	65.65	57.69	61.60	45.69	81.80	111.85	98.04	0.56	0.03	0.97	0.02
ILMN_2444121	LOC100041797	XM_001477560.1	657.03	678.76	671.38	705.14	683.67	808.67	1570.13	1766.36	2204.38	774.75	721.59	654.57	810.17	757.33	828.21	2261.70	2173.93	1920.42	0.18	0.00	0.12	0.00
ILMN_2705119	LOC100047353	XM_001477963.1	1833.34	1886.97	2345.10	2039.21	1923.35	2692.86	4291.73	4906.25	6522.94	2333.60	2149.21	2203.71	2652.78	2730.46	2634.62	5990.97	5974.70	5654.13	0.53	0.01	0.00	0.00
ILMN_1213707	LOC628101	XR_035428.1	109.20	140.39	141.58	124.08	140.68	161.59	285.81	265.21	275.03	147.90	127.67	130.35	158.81	142.87	147.99	261.20	224.20	247.19	0.48	0.00	0.14	0.00
ILMN_1230263	Me2	NM_145494.2	200.29	201.14	272.69	254.01	206.08	272.59	351.90	366.59	520.11	259.55	287.39	273.59	288.74	277.93	289.56	457.22	565.06	410.85	0.56	0.03	0.25	0.01
ILMN_2608429	Atp6v0d1	NM_013477.3	1068.62	1145.86	1302.82	1124.85	1055.90	1742.24	1861.90	2333.52	3188.95	1291.24	1126.20	1179.94	1412.84	1301.44	1260.26	2119.93	2144.18	2070.26	0.59	0.03	0.13	0.00
ILMN_2670507	Rad9	NM_011237.2	51.31	63.28	69.41	64.82	57.15	78.77	88.91	85.79	108.65	62.76	62.28	45.00	78.14	68.72	65.09	89.78	132.78	115.77	0.54	0.02	0.12	0.02
ILMN_1252524	Zfp295	NM_001081684.1	120.99	119.37	86.20	143.45	127.64	87.98	222.81	245.76	163.97	97.61	70.00	87.91	90.64	82.39	89.70	214.08	164.18	193.16	0.62	0.02	0.79	0.00
ILMN_2435302	2010001H16Rik		374.96	385.19	293.00	414.28	404.01	327.02	637.90	701.94	484.63	285.97	374.37	294.29	317.74	360.03	288.19	576.67	536.94	561.49	0.49	0.02	0.92	0.00
ILMN_1253985	A330021D07Rik	AK039311	359.34	373.61	481.82	400.19	418.89	498.81	724.68	755.76	924.93	496.74	456.17	465.97	490.89	497.14	521.76	910.21	872.23	925.54	0.52	0.01	0.12	0.00
ILMN_2563716	2410013I23Rik	AK035985	133.18	90.49	111.92	125.17	91.68	151.91	154.97	185.81	224.42	97.01	104.34	96.83	102.70	86.21	91.84	198.79	152.90	165.82	0.63	0.03	0.35	0.01
ILMN_2622983	Dusp1	NM_013642.2	2228.79	2122.89	1682.81	2514.65	2350.47	1739.90	4271.13	4698.89	3208.23	1334.32	1703.81	1344.39	1429.62	1641.16	1295.49	2676.29	2813.72	2809.35	0.55	0.01	0.97	0.00
ILMN_2632230	Harbi1	NM_145528.2	272.70	286.01	282.03	302.63	301.47	311.15	485.32	503.46	585.51	261.16	325.07	320.58	343.30	321.47	415.38	498.94	564.40	467.25	0.01	0.00	0.17	0.00
ILMN_1225528	Trib3	NM_175093.2	445.24	472.56	584.02	530.11	524.94	569.51	3843.26	4082.52	4214.16	555.01	532.50	514.54	556.20	574.77	575.79	4768.98	4479.08	4389.55	0.41	0.00	0.06	0.00
ILMN_2945275	Rbm15	NM_001045807.1	95.97	84.12	97.39	87.64	91.67	125.96	264.77	259.40	385.29	111.42	95.17	82.82	144.47	121.03	117.16	348.12	295.02	235.25	0.51	0.01	0.06	0.00
ILMN_2995794	BC063749	NM_001001738.2	255.46	244.44	358.58	288.87	258.69	385.67	421.55	437.79	543.81	350.68	371.68	341.17	330.65	347.33	343.85	773.13	813.35	743.01	0.66	0.03	0.25	0.00
ILMN_1224430	Nfatc1	NM_016791.3	82.51	115.10	79.48	95.98	106.75	94.66	185.57	229.92	203.73	76.40	74.13	78.72	76.16	68.92	73.86	246.75	181.82	210.82	0.60	0.00	0.24	0.00
ILMN_2756435	Cebpb	NM_009883.3	4822.11	4723.66	4245.44	5100.40	5686.53	4282.84	8033.32	9102.64	7393.50	3904.44	4917.74	4895.98	5914.36	5580.74	6230.28	8797.34	8713.63	9071.78	0.39	0.00	0.03	0.00
ILMN_1219935	B230363H02Rik	AK046269	190.60	188.22	213.56	191.72	204.76	250.70	432.88	617.07	642.65	246.50	220.62	215.85	205.88	227.26	226.34	705.00	498.85	578.63	0.40	0.01	0.54	0.00
ILMN_2623983	Egr2	NM_010118.1	115.68	116.88	109.48	131.83	141.22	102.06	185.74	276.48	235.83	109.79	85.62	91.81	125.80	99.19	85.56	203.28	200.40	186.04	0.41	0.01	0.60	0.00
ILMN_2846776	Cdkn1a	NM_007669.2	320.49	378.70	452.92	379.17	413.15	450.12	717.01	701.33	891.57	351.46	380.53	359.60	391.36	419.83	437.15	692.01	851.76	656.35	0.53	0.01	0.03	0.00
ILMN_2698757	Ppm1l	NM_178726.3	369.32	376.33	409.32	405.00	407.81	441.31	623.68	732.18	779.15	352.19	391.61	346.81	415.29	436.19	423.85	805.59	786.05	821.03	0.12	0.00	0.02	0.00
ILMN_2558167	9330158N06Rik	AK034130	133.29	149.79	58.64	144.68	163.69	63.33	383.79	357.55	189.00	111.88	128.71	140.46	103.84	140.56	150.04	278.89	341.58	442.46	0.82	0.04	0.80	0.01
ILMN_1258159	Slc2a1	NM_011400.2	1755.85	1653.35	1791.65	1934.16	1822.86	1889.92	10894.92	11625.41	11276.21	1529.68	1583.28	1495.46	1386.35	1453.09	1336.84	9834.62	11096.84	8792.36	0.05	0.00	0.03	0.00
ILMN_2653284	Ctns	NM_031251.4	523.33	515.52	573.41	552.65	577.72	619.91	1899.81	2065.78	2195.73	599.04	488.50	519.73	571.91	510.76	507.65	1918.74	1930.66	1719.49	0.16	0.00	0.89	0.00
ILMN_2764883	Mafg	NM_010756.3	1162.47	1214.63	1156.80	1355.78	1276.47	1206.91	2020.94	2745.89	2311.29	1284.15	1160.00	1191.46	1218.49	1212.95	1272.55	2031.91	2491.53	2473.35	0.10	0.01	0.61	0.00
ILMN_2450096	Zfp30	NM_013705.1	260.28	241.75	238.54	279.81	242.20	282.64	483.53	376.19	464.28	284.31	240.23	249.16	305.55	249.07	241.71	465.01	431.56	411.71	0.22	0.00	0.77	0.00
ILMN_2646166	Ndrl	NM_008681	202.70	168.41	188.79	256.65	185.26	172.83	3117.67	3539.87	2969.29	115.18	184.86	153.15	171.10	217.29	196.29	2843.66	3199.98	3032.61	0.55	0.00	0.14	0.00
ILMN_1225234	2310004H21Rik	AK009138	87.24	66.89	72.48	89.06	69.24	87.28	117.92	113.38	165.78	88.59	65.40	65.44	87.38	70.78	82.60	117.01	103.19	136.09	0.51	0.03	0.48	0.02
ILMN_1218441	Slc23a3	NM_194333.3	20.00	20.00	20.00	20.00	25.43	20.00	52.78	80.22	99.77	20.00	24.14	20.00	20.00	27.85	20.00	52.56	76.92	77.27	0.37	0.01	0.70	0.00
ILMN_1256343	H19	NR_001592.1	21.62	22.17	42.90	34.44	27.03	28.02	117.96	112.50	119.33	24.22	23.83	20.00	20.47	21.82	26.21	54.93	59.24	48.07	0.91	0.00	0.95	0.00
ILMN_2871325	Pfkl	NM_008826.2	20.00	39.97	37.78	34.46	52.27	21.26	79.36	82.76	79.15	44.59	34.75	28.37	37.00	30.05	34.64	89.55	71.98	54.39	0.77	0.00	0.72	0.03
ILMN_3162879	Stx3	NM_152220.1	138.99	129.68	141.01	145.04	113.21	196.14	405.34	475.14	767.44	152.98	122.03	140.97	140.68	130.24	149.39	518.75	470.99	463.00	0.57	0.02	0.90	0.00
ILMN_2712427	Arih1	NM_019927.1	335.22	371.84	387.88	422.26	383.62	377.96	525.03	612.12	627.65	365.42	304.25	328.90	338.18	276.16	307.40	542.63	541.61	522.32	0.23	0.00	0.37	0.00
ILMN_2947568	Gadd45a	NM_007836.1	160.07	169.73	162.50	173.98	202.99	158.25	756.17	966.18	886.12	181.89	196.91	254.50	236.76	218.49	250.02	1002.55	1115.19	1050.96	0.35	0.00	0.37	0.00
ILMN_1216335	Cttnbp2nl	NM_030249.3	483.43	464.53	430.68	483.41	479.39	527.79	1107.99	968.48	1044.63	534.51	464.84	412.58	445.78	463.62	362.53	1175.60	1153.99	1116.29	0.16	0.00	0.38	0.00
ILMN_2510943	Trpc1	NM_011643.2	20.00	20.00	20.00	25.24	20.00	20.00	51.11	72.80	57.88	20.00	20.00	20.00	25.38	28.56	20.00	34.68	27.26	34.56	0.37	0.00	0.14	0.01
ILMN_2913269	BC027231	NM_145972.1	437.82	385.59	459.09	461.42	457.48	462.95	744.24	702.54	919.88	430.90	401.07	411.97	406.24	429.44	388.19	948.12	888.66	806.37	0.20	0.01	0.67	0.00
ILMN_2617087	Egln1	NM_053207.1	43.33	41.74	45.16	45.99	50.95	43.94	124.21	180.53	232.05	59.18	45.11	37.55	43.86	39.19	38.20	129.10	141.76	135.92	0.20	0.01	0.36	0.00
ILMN_1220936	Parn	AK049829	74.29	68.31	80.46	87.11	70.24	84.10	136.59	138.90	182.67	91.40	84.43	88.70	81.90	68.76	80.26	157.53	148.78	166.05	0.38	0.01	0.07	0.00
ILMN_1255766	Sh3bp2	NM_011893.2	123.61	117.65	100.56	97.40	124.59	151.83	247.59	285.74	319.59	129.30	137.19	121.12	181.63	142.42	128.43	389.07	331.43	380.56	0.57	0.00	0.26	0.00
ILMN_2584574	5430405G05Rik	AK077378	20.00	23.52	20.00	20.00	24.67	24.00	68.86	77.03	48.78	34.99	20.00	20.00	20.00	20.00	27.18	73.78	76.53	43.96	0.41	0.01	0.66	0.03
ILMN_2856157	Pgam1	NM_023418.2	1325.47	1160.49	1233.51	1300.11	1614.26	1136.76	2734.68	2672.87	1876.01	1329.37	1696.05	1730.58	1221.67	1409.90	1314.25	2458.95	2514.90	2787.58	0.50	0.01	0.12	0.00
ILMN_2678466	Tgoln1	NM_009443.3	201.72	196.72	135.75	194.47	236.91	147.00	399.55	547.52	328.25	157.30	140.98	173.97	187.76	162.83	165.70	467.75	373.71	411.51	0.68	0.02	0.30	0.00
ILMN_2646891	Centd1	XM_001001363.1	371.55	370.54	297.52	369.07	441.41	315.84	646.10	719.51	603.99	271.34	307.77	282.68	291.27	341.35	302.79	518.72	538.36	515.68	0.55	0.00	0.26	0.00
ILMN_2778151	Sox9	NM_011448	1907.01	1717.60	2244.06	1930.34	1890.95	2528.11	4634.33	5491.40	7981.45	2289.70	2064.56	1960.57	2019.81	2031.13	1858.23	7970.65	6630.75	6363.26	0.57	0.02	0.29	0.00
ILMN_3155363	Ppl	NM_008909.2	556.47	476.96	624.65	567.49	545.41	671.98	1514.77	1334.56	1742.73	736.72	619.02	680.45	744.58	686.36	637.87	1622.88	1511.76	1477.77	0.51	0.00	0.82	0.00
ILMN_2683486	AI115600	XM_001476259.1	849.72	766.30	812.44	885.43	831.70	901.00	1338.20	1458.86	1604.09	899.16	671.20	661.22	867.50	663.10	645.71	1413.24	1199.83	1166.64	0.12	0.00	0.87	0.01
ILMN_2773012	Hbp1	NM_153198	1465.35	1425.33	1621.15	1441.18	1516.54	1942.46	3179.10	2794.90	3935.51	1777.89	1528.76	1529.74	1873.24	1836.16	1793.20	3414.04	3652.75	3107.48	0.48	0.01	0.06	0.00
ILMN_2689731	Dusp4	NM_176933.4	507.97	470.46	483.31	517.19	486.32	575.41	1877.09	2393.75	2800.94	492.89	413.64	372.65	426.93	347.93	380.70	2919.27	2649.21	2365.35	0.24	0.00	0.38	0.00
ILMN_1257639	0610009J05Rik	AK002411	233.65	238.49	184.23	266.45	262.96	182.92	423.89	418.41	375.04	207.51	194.51	213.40	162.59	198.33	209.17	331.54	296.13	312.90	0.59	0.00	0.37	0.00
ILMN_2645780	Osgin1	NM_027950.1	487.75	501.45	425.37	561.37	497.54	465.01	731.09	818.47	879.26	455.45	477.04	521.29	569.95	565.30	501.66	1137.76	885.02	999.29	0.38	0.00	0.11	0.00
ILMN_2428252	Rasa2	NM_053268.2	128.63	127.01	137.88	136.23	140.51	146.87	209.48	196.37	243.65	125.51	98.51	101.84	138.74	123.68	122.03	266.68	216.78	220.88	0.09	0.00	0.12	0.00
ILMN_1241561	Tctn3	NM_026260.2	553.92	532.07	522.14	587.31	559.55	584.32	1098.47	917.12	1183.08	532.03	538.33	492.01	651.37	571.07	573.03	972.33	847.01	798.60	0.03	0.00	0.06	0.00
ILMN_3098120	Frrs1	NM_009146.1	370.20	364.28	487.18	436.03	380.35	494.17	811.55	841.10	1194.90	558.29	446.99	472.29	498.99	483.46	394.64	1070.54	1026.59	1129.41	0.60	0.01	0.51	0.00
ILMN_3063650	Triobp	NM_001039155.1	20.00	20.00	20.00	24.91	20.00	20.00	118.77	134.51	138.52	24.60	21.98	20.00	20.00	20.00	20.00	91.18	124.21	86.63	0.37	0.00	0.17	0.00
ILMN_2704972	Krt13	NM_010662.1	107.72	105.03	102.82	109.56	105.32	125.31	230.08	224.51	200.52	86.50	128.49	121.94	82.54	131.03	111.21	255.65	242.39	192.44	0.26	0.00	0.84	0.01
ILMN_1257486	Mcart6	NM_001082412.1	157.96	135.86	196.09	136.56	155.40	246.23	241.69	259.50	378.79	242.07	199.50	199.98	247.11	219.48	198.84	417.97	339.39	276.20	0.69	0.05	0.71	0.04
ILMN_2623776	Eps8	NM_007945.2	131.98	155.01	203.26	150.69	149.78	228.50	623.72	692.72	1211.21	158.19	157.15	145.93	137.06	153.12	148.07	1164.39	1053.90	999.90	0.72	0.02	0.28	0.00
ILMN_1218670	Csnk2a1-rs4	AK011501	72.54	67.17	50.07	66.04	68.52	66.88	124.04	112.58	85.85	67.83	71.32	73.34	58.74	84.74	83.41	116.24	129.38	120.06	0.60	0.03	0.61	0.00
ILMN_2614644	5730406M06Rik	XM_920534.2	689.99	692.18	725.11	719.71	760.36	784.16	1026.25	1050.71	1214.02	743.48	636.94	782.24	767.04	771.49	878.59	1021.12	1236.01	1073.94	0.08	0.00	0.21	0.01
ILMN_2648034	A930001N09Rik	NM_029870.1	21.92	20.00	20.00	20.00	20.00	27.16	88.35	96.47	142.43	20.00	20.48	20.00	31.63	27.75	20.00	109.37	93.17	89.18	0.52	0.01	0.14	0.00
ILMN_1220187	Ppp1cc	NM_013636.3	337.91	360.41	444.82	352.95	430.67	441.21	552.19	564.57	735.13	394.84	407.65	441.91	389.27	396.81	435.95	672.00	646.62	657.50	0.56	0.02	0.73	0.00
ILMN_2604643	Tbl2	NM_013763	872.83	795.26	923.48	991.46	833.66	959.08	1550.74	1545.71	1879.71	869.37	807.80	802.04	831.36	868.81	805.51	1620.43	1468.85	1394.80	0.35	0.00	0.77	0.00
ILMN_3092415	Hbp1	NM_153198.1	642.97	673.91	740.90	747.88	711.39	746.04	1632.48	1631.24	1742.82	674.19	652.97	686.59	779.87	800.20	847.72	1576.02	1627.15	1522.45	0.19	0.00	0.00	0.00
ILMN_3144164	Irs2	NM_001081212.1	736.87	845.99	980.14	855.27	852.23	1036.16	1305.13	1357.94	1899.28	1045.28	952.46	793.68	1128.81	1120.50	945.04	2185.60	2226.88	2019.83	0.55	0.03	0.23	0.00
ILMN_1227508	Stard5	NM_023377.4	440.87	390.05	467.77	404.07	442.23	556.27	605.67	666.18	937.56	389.74	397.29	321.75	407.22	303.54	330.63	694.10	672.14	522.60	0.54	0.04	0.60	0.01
ILMN_2665490	Litaf	NM_019980.1	7662.64	7340.54	6974.73	8461.44	7733.41	7408.49	11873.57	10959.18	12186.35	6883.60	7343.94	7330.58	7506.70	7531.18	7028.17	10953.25	12808.88	12839.59	0.22	0.00	0.49	0.00
ILMN_1234702	Gpt2	NM_173866.3	268.03	283.34	296.84	310.52	275.80	325.27	633.80	635.85	578.09	342.05	321.70	341.21	377.14	323.96	310.64	827.99	692.53	709.73	0.28	0.00	0.92	0.00
ILMN_2678580	Lass6	NM_172856.3	74.89	84.13	78.28	92.60	91.74	71.69	117.61	119.33	132.56	74.83	76.77	76.78	66.73	61.95	62.82	155.29	129.35	127.09	0.44	0.00	0.00	0.00
ILMN_3134990	Serac1	NM_001033127.1	20.00	23.40	20.00	20.00	20.00	28.85	44.41	45.99	57.34	33.82	22.43	35.18	23.86	20.00	20.00	55.79	54.18	63.46	0.60	0.00	0.10	0.01
ILMN_1243149	Atp6v0b	NM_033617.3	1418.16	1453.25	1780.97	1485.93	1440.11	2113.58	3393.06	4531.56	6266.00	1948.58	1572.70	1812.23	1785.40	1588.14	1892.76	5240.15	5011.55	5016.07	0.63	0.02	0.88	0.00
ILMN_2491099	Xpot	XM_125902.4	215.52	189.20	188.81	204.10	208.74	222.48	349.89	364.73	350.10	221.78	250.43	217.44	209.46	231.54	239.99	367.98	368.37	398.04	0.25	0.00	0.84	0.00
ILMN_3147112	Mapk6	NM_027418.1	724.18	741.72	658.32	752.63	739.92	780.38	990.86	1132.24	1178.04	787.22	793.97	753.98	748.86	732.24	627.80	1163.22	1206.82	1219.71	0.15	0.00	0.13	0.00
ILMN_1245272	Insig1	NM_153526.4	91.77	86.65	149.64	103.98	92.03	152.77	182.32	212.68	275.46	145.39	89.32	96.98	81.90	98.76	70.91	239.05	210.55	215.16	0.81	0.03	0.24	0.00
ILMN_2571934	D030034I04Rik	AK050914	226.88	206.16	203.77	220.58	229.66	230.50	464.83	556.38	644.75	340.61	275.29	324.12	338.00	305.86	322.76	793.30	757.77	797.44	0.14	0.00	0.70	0.00
ILMN_2686433	9030227G01Rik	NM_177136.2	20.00	20.00	23.06	24.73	22.84	20.00	38.93	72.38	64.27	23.07	20.00	29.19	20.00	29.64	50.70	56.97	55.81	44.87	0.43	0.02	0.38	0.00
ILMN_2877443	Abhd2	NM_018811.4	103.47	96.92	146.60	131.31	80.28	170.44	187.09	219.57	324.37	168.89	107.72	115.71	154.20	124.94	117.51	213.75	198.79	195.79	0.72	0.04	0.95	0.02
ILMN_1223317	Lgals3	NM_010705.2	10451.33	10155.43	12178.92	11490.10	11059.00	12429.86	24845.23	25944.97	32163.09	11945.39	10882.96	11703.60	12699.99	12381.74	12845.30	30659.63	28072.68	28668.31	0.38	0.00	0.03	0.00
ILMN_1218413	Rnf19a	NM_013923.2	3228.02	3076.64	3608.06	3206.06	3281.05	4149.26	6874.66	7399.86	8525.67	3469.99	2864.46	2742.24	3143.16	2743.09	2781.19	7365.79	6702.63	5672.54	0.52	0.00	0.63	0.00
ILMN_2905859	Nat6	NM_019750.2	142.12	151.21	124.99	157.25	155.34	133.73	354.62	358.76	314.36	112.23	135.56	173.02	135.74	146.59	151.25	291.42	346.78	332.65	0.43	0.00	0.83	0.00
ILMN_2752206	LOC100048504	XM_001480708.1	244.72	240.51	195.42	237.51	260.89	225.60	497.03	546.71	553.82	207.83	256.08	254.80	241.22	250.42	260.41	512.20	531.20	480.58	0.49	0.00	0.54	0.00
ILMN_2624328	Adamts7	NM_001003911.2	107.49	130.48	141.02	127.47	129.32	145.67	234.44	237.41	231.32	88.73	104.55	81.23	96.35	115.95	101.82	156.24	234.29	227.80	0.53	0.00	0.22	0.01
ILMN_2866189	Btg1	NM_007569.1	6160.17	6160.43	4543.60	6654.30	6807.25	4619.60	12526.72	11944.89	10632.20	4431.40	4916.19	4930.42	5808.87	5851.79	6470.44	10591.77	10579.31	11233.26	0.67	0.00	0.01	0.00
ILMN_1230176	1810032O08Rik	XR_035342.1	560.70	558.99	568.87	602.29	549.11	654.14	1182.79	1203.66	1332.75	651.09	605.08	558.71	593.30	634.12	638.76	1364.42	1272.86	1290.29	0.27	0.00	0.60	0.00
ILMN_2664686	Chaf1b	NM_028083.3	1740.69	1771.35	1994.17	1851.73	1855.99	2170.45	2953.54	2807.00	3206.33	1880.35	2213.57	1942.12	1970.65	2359.56	1737.74	3316.71	3577.89	3525.59	0.40	0.00	0.96	0.00
ILMN_2587614	9530051E16Rik	AK079246	94.39	90.12	80.62	97.55	106.50	80.03	123.72	142.51	143.02	65.98	66.87	59.09	65.60	77.69	68.69	139.85	100.73	105.56	0.51	0.00	0.20	0.01
ILMN_1240247	Ipmk	NM_027184.1	190.62	217.78	231.76	236.37	189.16	260.85	359.01	377.49	462.53	258.52	214.23	242.07	293.33	271.51	272.98	490.36	403.18	437.35	0.56	0.01	0.05	0.00
ILMN_2691227	Hsdl1	NM_175185.3	520.46	501.47	259.24	529.05	578.44	267.66	1505.85	1437.86	684.84	305.13	433.36	407.66	323.94	381.47	455.05	721.66	931.47	1231.97	0.82	0.05	0.93	0.02
ILMN_3020240	Hbp1	NM_153198.1	2207.10	2168.45	2598.23	2393.80	2408.01	2609.84	4757.36	4881.67	5465.94	2332.32	2191.61	1903.57	2980.24	2398.67	2367.41	5266.51	4571.76	4346.83	0.40	0.00	0.14	0.00
ILMN_1234199	Cobll1	NM_177025.4	590.83	701.06	773.98	674.33	726.35	790.81	1018.00	947.65	1150.22	838.25	743.64	756.52	908.81	818.01	831.38	1376.26	1244.73	1211.41	0.54	0.01	0.15	0.00
ILMN_2427454	Npc1	NM_008720.2	800.26	790.51	904.14	833.35	839.60	986.96	1581.75	1481.92	1896.96	937.30	972.46	971.74	934.11	940.21	952.06	2058.56	2252.09	2016.65	0.43	0.00	0.22	0.00
ILMN_2418116	Camk2d	NM_001025438.1	183.89	191.73	140.36	195.08	258.70	118.39	402.74	439.44	283.76	186.52	155.37	155.64	125.20	156.98	190.67	327.33	372.06	363.85	0.69	0.01	0.72	0.00
ILMN_2720522	Hel308-pending	XM_132236.4	177.32	159.80	189.99	183.77	195.41	180.79	287.33	310.49	326.34	190.02	167.50	190.59	159.60	165.16	180.49	302.35	294.96	292.56	0.33	0.00	0.22	0.00
ILMN_1215528	Chst11	NM_021439.2	81.97	75.30	76.31	89.01	90.77	70.30	150.25	143.19	110.03	61.56	67.44	58.91	58.23	44.69	67.63	117.59	133.19	110.59	0.47	0.01	0.46	0.00
ILMN_2723965	Edn2	NM_007902.2	86.38	72.52	87.33	75.17	71.72	122.33	158.86	160.96	263.76	66.92	64.22	59.19	60.33	65.88	46.26	176.12	151.10	114.66	0.68	0.03	0.40	0.01
ILMN_1243593	Pcgf5	NM_029508.3	1624.31	1835.47	1997.24	1820.15	1833.69	2144.92	5474.61	4832.24	7287.56	2050.38	1560.36	1485.17	1923.47	1492.84	1447.58	4886.32	4515.24	3866.16	0.49	0.01	0.76	0.00
ILMN_1250618	Zbtb38	NM_175537.3	167.02	151.67	177.72	167.19	176.38	183.43	268.64	270.81	335.46	132.41	193.97	201.38	163.90	169.76	214.31	335.12	295.31	314.51	0.32	0.01	0.82	0.00
ILMN_2497575	6230400G14Rik		267.58	243.09	240.91	263.13	243.07	294.35	371.20	392.17	409.52	216.53	234.03	185.16	232.95	245.90	230.57	449.36	436.25	382.74	0.40	0.00	0.18	0.00
ILMN_2685695	Ing3	NM_023626.3	179.62	207.83	173.87	207.81	202.52	185.08	424.67	371.41	366.84	212.57	203.39	182.58	199.63	209.45	197.42	408.73	401.45	285.11	0.42	0.00	0.80	0.02
ILMN_2924831	Gas7	NM_008088.1	129.11	144.38	189.11	150.61	150.63	186.40	408.74	438.12	500.54	118.78	114.91	109.59	140.35	108.67	125.68	325.40	321.62	280.85	0.72	0.00	0.33	0.00
ILMN_2439813	Slc16a10	NM_028247	20.00	20.00	39.18	20.00	20.33	46.19	58.10	52.40	65.91	28.50	37.23	29.04	34.10	36.75	35.11	83.42	72.10	65.71	0.83	0.01	0.27	0.00
ILMN_1223414	Ptp4a1	NM_011200.2	1413.46	1302.81	1395.21	1456.73	1358.29	1555.05	2128.75	2398.31	2959.63	1425.27	1220.19	1328.30	1534.23	1478.64	1406.92	2948.44	2473.30	2767.83	0.26	0.01	0.10	0.00
ILMN_2716567	Bnip3l	NM_009761.2	6884.04	6775.15	5724.71	7390.38	7085.88	6104.22	11436.90	11836.98	11190.01	5811.13	5769.47	5962.45	5871.39	6228.61	6165.55	10370.00	10051.80	9775.83	0.50	0.00	0.13	0.00
ILMN_2708877	Plekha1	NM_133942.2	1483.02	1462.70	1431.15	1409.67	1425.12	1848.07	2436.24	2200.31	2772.62	1812.84	1463.32	1530.83	2010.60	1540.54	1785.04	3118.30	2715.98	2437.89	0.52	0.00	0.37	0.01
ILMN_1227976	E430031D18Rik	AK088915	497.76	569.29	554.74	550.96	559.87	609.44	1138.71	1124.55	1279.94	547.05	579.26	502.93	603.17	533.08	569.10	1084.53	1306.91	1209.55	0.31	0.00	0.45	0.00
ILMN_2682928	Rai14	NM_030690.2	3723.52	3403.63	3694.75	4042.13	3960.80	3495.03	5433.47	6775.87	6590.95	3379.64	3352.52	3608.10	3475.94	2940.14	3521.07	6146.44	6088.90	6339.79	0.32	0.00	0.55	0.00
ILMN_2682173	Mfsd11	NM_178620.3	356.25	424.34	448.66	419.77	403.26	478.64	1135.18	1191.37	1429.69	413.91	374.66	376.61	423.94	380.11	340.01	1272.02	1076.25	1147.64	0.54	0.00	0.81	0.00
ILMN_2694917	Sap30	NM_021788.1	1955.87	1839.17	1997.17	1994.59	1910.51	2248.56	7140.21	7137.92	9381.17	1820.03	1543.04	1555.75	1926.31	1661.21	1730.67	6535.60	6573.74	5444.36	0.34	0.00	0.33	0.00
ILMN_2757807	BC031353	NM_153584.1	344.68	398.14	447.32	411.06	393.48	452.34	759.51	660.59	1053.03	433.75	387.13	377.87	423.55	373.81	357.99	758.59	686.18	595.28	0.55	0.02	0.61	0.01
ILMN_2724558	Anxa8	NM_013473.3	1076.81	1219.71	1550.98	1242.38	1182.47	1650.99	2112.58	2248.25	3399.01	1680.72	1780.48	1975.21	1684.69	1797.36	1942.14	3265.60	3149.06	2961.53	0.73	0.04	0.97	0.00
ILMN_2562780	C730025H23Rik	AK050179	21.49	24.32	23.93	20.92	35.58	20.00	35.76	41.27	55.40	33.32	33.93	31.24	29.61	28.20	31.70	60.37	50.91	54.13	0.68	0.02	0.08	0.00
ILMN_2901283	Add3	NM_013758.2	565.19	628.77	663.81	678.57	639.34	647.00	1011.10	1212.50	1237.02	573.03	731.24	668.28	709.15	630.21	716.57	981.42	1086.49	1087.91	0.32	0.00	0.63	0.00
ILMN_2759114	Cmtm4	NM_153582.4	126.17	138.59	126.36	139.41	135.74	138.79	368.51	388.61	304.74	108.22	133.54	137.15	126.91	138.20	127.20	368.59	407.08	374.12	0.15	0.00	0.67	0.00
ILMN_2750515	Fos	NM_010234.2	261.11	287.78	262.83	269.31	311.41	279.92	782.11	1046.04	995.37	212.00	206.78	219.98	239.12	188.42	224.16	1010.37	713.26	697.26	0.35	0.00	0.79	0.00
ILMN_3006611	Map3k1	NM_011945.2	194.38	156.70	132.94	185.63	205.19	126.28	403.92	504.26	356.72	124.75	144.15	147.93	112.85	141.53	163.74	354.80	370.92	336.69	0.73	0.01	0.98	0.00
ILMN_1220230	Hbp1	NM_153198	1379.35	1412.35	1785.95	1494.48	1406.17	1966.29	2873.04	2717.27	4192.04	1829.13	1665.25	1760.09	1958.72	1823.93	1785.38	3657.45	3705.24	3154.17	0.68	0.02	0.21	0.00
ILMN_2888786	Slk	NM_009289.1	1061.96	1053.69	1108.17	1194.46	1166.85	1055.81	1583.08	1581.18	1713.20	1155.75	1092.75	1279.58	1297.48	1351.19	1274.46	2118.27	2032.50	2142.75	0.23	0.00	0.09	0.00
ILMN_2990420	Jmjd2b	NM_172132.1	1130.43	1082.32	1257.55	1181.26	1063.14	1452.21	3235.18	4048.20	4405.16	1160.49	1069.94	1079.37	1194.75	1085.51	1110.88	3294.62	3131.73	3109.42	0.58	0.00	0.57	0.00
ILMN_2901944	Col7a1	NM_007738.3	72.59	86.66	134.07	105.26	103.89	91.29	142.71	202.34	206.70	131.92	117.09	165.62	155.56	106.47	154.52	279.27	237.75	227.67	0.91	0.04	0.98	0.01
ILMN_1230045	4933437K13Rik	AK086865	20.00	27.67	20.00	23.90	27.10	20.20	45.52	42.78	73.84	26.47	20.00	20.00	31.92	20.00	25.29	50.98	35.95	50.72	0.74	0.04	0.43	0.01
ILMN_2650915	Jmjd2b	NM_172132.1	72.72	61.93	91.90	84.90	75.37	76.42	210.90	202.76	263.87	73.97	78.84	72.95	80.90	70.18	71.70	213.63	196.65	178.29	0.73	0.00	0.81	0.00
ILMN_1216085	B230387C07Rik	AK046455	432.81	425.64	410.75	422.60	450.91	469.12	1003.84	1321.90	1247.69	453.33	453.35	440.17	438.72	448.90	524.07	1201.95	1539.40	1538.72	0.18	0.00	0.47	0.00
ILMN_1250774	Mdm2	NM_010786.3	2865.31	3021.13	3111.84	3041.17	2946.42	3550.81	7072.54	7334.60	8137.72	3297.01	3459.79	3316.39	3437.48	3534.07	3282.04	7707.80	7420.96	6581.15	0.42	0.00	0.54	0.00
ILMN_2547610	1700034P14Rik	AK006608	108.21	113.91	98.27	102.18	115.11	121.61	195.80	183.66	199.59	115.27	111.09	86.87	94.49	116.02	99.59	211.26	200.66	197.62	0.45	0.00	0.93	0.00
ILMN_2772256	Smurf1	NM_029438.3	64.11	44.08	41.56	60.03	69.71	33.13	124.63	145.54	127.28	51.25	82.39	70.27	53.92	70.43	65.57	153.57	211.21	170.70	0.75	0.00	0.67	0.00
ILMN_2631171	Klrg2	NM_001033171.2	66.57	67.21	79.98	84.36	68.76	72.82	149.34	201.61	213.25	79.59	74.34	83.91	89.36	83.87	97.49	309.53	297.06	281.61	0.56	0.00	0.09	0.00
ILMN_2683374	Asna1	NM_019652.1	1599.28	1523.07	1854.73	1702.32	1708.73	1832.83	2446.63	2516.53	2990.45	1774.88	1714.37	1811.19	1720.99	1812.02	1845.40	2681.60	3072.36	2825.22	0.46	0.01	0.61	0.00
ILMN_2640188	Taf1a	NM_021466.1	306.99	310.66	227.11	338.88	333.86	225.80	480.09	551.91	415.62	267.70	349.45	303.84	300.33	337.70	308.11	477.08	570.10	598.70	0.72	0.01	0.77	0.01
ILMN_2662456	Ppm1l	NM_178726.3	156.00	202.85	216.04	178.22	190.17	237.86	285.79	316.59	361.72	207.82	163.93	165.61	220.38	198.95	199.62	381.71	411.87	335.54	0.71	0.01	0.16	0.00
ILMN_1238179	Ipmk	NM_027184.1	71.65	92.41	69.38	87.92	99.74	61.77	165.63	165.22	143.27	104.30	88.83	98.22	70.98	98.54	104.32	174.34	186.55	194.47	0.71	0.00	0.63	0.00
ILMN_1223674	Seh1l	NM_001039088.1	577.01	539.44	577.95	599.43	554.44	638.06	1262.99	1346.61	1285.86	565.83	585.78	616.31	592.42	592.14	512.05	1243.94	1338.33	1291.41	0.30	0.00	0.48	0.00
ILMN_1250418	Npc1	NM_008720.2	914.90	851.78	596.81	924.58	875.54	677.19	1325.45	1198.69	1111.71	668.34	710.03	757.93	692.95	740.49	688.81	1208.48	1011.26	1134.43	0.77	0.02	0.89	0.00
ILMN_1222246	Adfp	NM_007408.3	269.20	234.78	158.58	254.62	344.44	134.48	471.31	569.48	404.93	211.99	244.30	245.74	179.93	220.60	260.71	358.90	447.37	493.62	0.75	0.01	0.63	0.01
ILMN_2505047	Pogk	NM_175170	188.71	214.42	209.86	204.47	211.62	230.59	327.97	328.73	389.51	176.35	167.81	193.55	193.54	162.74	155.06	398.36	321.21	334.18	0.37	0.00	0.56	0.00

ILMN_1237003	Slu7	NM_148673.3	87.89	85.18	98.35	100.66	79.22	108.49	179.77	161.79	170.58	77.15	91.49	86.58	97.14	109.67	102.72	139.22	152.93	121.87	0.59	0.00	0.03	0.01
ILMN_1240161	E030040L08Rik	AK087265	99.93	101.87	92.61	105.20	101.47	103.70	240.61	312.07	318.02	93.38	76.20	103.25	113.03	82.03	77.41	285.65	247.27	287.23	0.15	0.00	0.99	0.00
ILMN_1235856	8030474H12Rik		129.60	106.98	100.87	149.52	111.85	98.12	208.37	222.87	194.02	98.60	87.20	94.55	81.00	94.76	99.03	171.88	151.61	154.37	0.70	0.00	0.79	0.00
ILMN_1234766	Ppme1	NM_028292.2	1878.51	1913.72	1934.91	2102.91	1845.10	2099.22	2922.00	2740.84	2998.83	1846.58	1691.54	1710.91	1787.97	1767.20	1615.52	2700.47	2747.99	2469.05	0.29	0.00	0.74	0.00
ILMN_1247335	Kctd6	NM_027782.1	100.27	92.83	56.75	91.17	130.29	52.06	186.21	194.94	117.00	47.16	88.66	88.44	73.75	103.54	101.93	202.33	176.21	195.51	0.78	0.04	0.34	0.00
ILMN_2707895	Jmjd1a	NM_173001.1	1059.86	1097.47	867.66	1171.68	1042.00	967.53	4927.93	4977.29	4124.83	841.80	857.98	864.35	875.14	876.56	840.53	3997.23	3910.45	4002.88	0.60	0.00	0.53	0.00
ILMN_2768330	Epc1	NM_007935.1	409.02	390.18	430.17	387.48	413.36	501.64	594.53	694.70	801.56	400.59	398.79	371.98	405.46	415.10	364.37	728.33	676.13	647.17	0.54	0.01	0.82	0.00
ILMN_1225932	Ccnd2	AK077367	118.38	119.55	104.94	136.33	111.30	114.52	153.00	188.17	189.75	116.49	104.76	119.11	128.61	97.55	102.02	220.23	236.05	229.87	0.52	0.01	0.72	0.00
ILMN_1223035	Slc22a4	NM_019687.3	48.54	50.95	26.39	70.32	54.30	20.00	159.38	121.87	86.14	25.22	44.62	65.47	56.93	75.04	73.08	183.60	113.05	138.46	0.73	0.02	0.15	0.01
ILMN_2665008	Rab31	NM_133685.1	4542.87	4307.49	5032.84	4610.28	4460.81	5599.07	7832.00	8120.65	8800.14	5604.79	5166.50	5093.68	5760.24	5574.41	5382.45	9747.46	9251.46	8615.54	0.56	0.00	0.22	0.00
ILMN_3072536	Eif5	NM_173363.4	5358.94	5719.57	4996.44	5690.82	5815.85	5408.73	9542.34	9997.84	9757.86	5696.92	5257.20	5512.39	5771.12	5879.77	5761.58	9322.42	8531.23	8705.11	0.31	0.00	0.08	0.00
ILMN_2823195	Mcoln1	NM_053177.1	247.33	222.14	271.87	256.36	296.14	229.94	541.82	563.99	615.24	291.98	293.91	315.58	248.58	317.27	247.14	629.29	565.08	480.49	0.60	0.00	0.29	0.00
ILMN_2844097	Foxn3	NM_183186.2	809.30	723.20	825.11	850.19	810.46	818.14	1440.13	1437.34	1788.04	861.69	781.29	732.57	908.59	854.39	917.48	1588.69	1563.95	1459.20	0.30	0.00	0.08	0.00
ILMN_2594714	Ets2	NM_011809.2	2656.46	2514.54	1932.48	2569.12	2624.49	2233.00	4066.13	3914.71	3485.35	2169.44	2577.38	2376.89	2576.66	2536.52	2648.89	4658.81	4207.23	4566.04	0.69	0.01	0.16	0.00
ILMN_1249197	Akap2	NM_009649.2	936.49	968.49	1021.77	952.90	1126.69	1006.71	1366.09	1551.84	1987.19	1014.31	910.51	815.70	1005.36	947.00	812.18	1800.98	1697.33	1657.72	0.40	0.02	0.93	0.00
ILMN_2743003	Ly96	NM_016923.1	530.10	530.00	465.88	536.73	544.29	522.55	1202.75	1196.81	1058.33	452.58	414.36	444.91	487.44	447.30	427.34	1248.19	1113.21	1005.11	0.31	0.00	0.47	0.00
ILMN_2652909	Ddit3	NM_007837.2	742.91	815.71	1239.89	830.77	818.51	1288.56	11332.14	12292.03	18020.28	1174.89	987.45	996.64	1058.16	987.66	975.27	13135.06	13545.46	13700.05	0.84	0.00	0.53	0.00
ILMN_1238557	Ccrk	NM_053180.2	127.91	86.87	116.81	102.56	108.61	135.86	224.86	248.59	244.80	98.72	97.80	103.32	114.62	132.95	119.47	288.20	303.65	250.51	0.76	0.00	0.02	0.00
ILMN_1222512	Flvcr1	NM_001081259.1	2529.41	2321.65	2152.29	2502.42	2396.37	2456.02	3143.09	3657.68	4163.40	2583.82	1900.98	2216.41	2509.57	2194.20	2186.13	4173.04	3282.02	3993.48	0.36	0.01	0.79	0.01
ILMN_2709585	5830411G16Rik	XM_132538.6	1384.71	1244.34	1299.58	1251.19	1487.93	1400.18	2602.41	2630.25	2843.64	1429.57	1204.67	1113.64	1370.79	1205.89	1121.82	2883.80	2310.50	2202.84	0.43	0.00	0.90	0.01
ILMN_2529754	LOC380616	XM_358355.1	88.31	87.60	80.17	95.52	88.49	85.41	122.51	125.78	138.45	101.17	91.59	88.04	93.34	97.88	96.85	147.00	173.09	146.70	0.32	0.00	0.59	0.00
ILMN_2829636	Dnajb9	NM_013760.3	1015.50	985.16	780.07	1133.85	1107.84	722.75	3594.92	4393.87	2720.83	675.19	695.53	737.04	899.92	782.52	857.40	2689.54	2658.48	2767.32	0.71	0.01	0.02	0.00
ILMN_2490820	2310005L22Rik		716.33	789.42	802.08	801.53	828.83	793.84	2121.83	2109.99	2081.28	716.15	814.57	811.34	792.72	854.32	769.79	2187.77	2242.93	2157.08	0.25	0.00	0.58	0.00
ILMN_1215740	Zfp46	NM_009557.3	1682.14	1721.48	1911.31	1758.33	1813.10	2017.73	2725.84	2932.29	2815.93	1615.08	1434.24	1592.05	1877.42	1520.66	1446.97	2561.27	2361.76	2137.07	0.44	0.00	0.66	0.00
ILMN_1247078	Ogt	NM_139144.2	246.47	249.41	239.47	260.93	273.77	239.41	361.05	491.78	468.10	216.94	196.52	206.34	258.97	237.33	260.75	400.79	396.52	415.78	0.28	0.01	0.01	0.00
ILMN_1244746	B230350I06Rik	AK046198	39.73	54.93	47.79	45.14	51.62	51.98	308.57	363.94	350.24	64.62	65.46	45.60	54.71	63.94	52.36	353.42	371.60	334.34	0.69	0.00	0.84	0.00
ILMN_2623032	Epc1	NM_007935.1	812.20	740.29	734.01	792.95	827.02	780.33	1295.41	1334.97	1367.54	743.52	657.38	741.00	705.43	741.57	774.60	1255.41	1227.23	1161.05	0.26	0.00	0.49	0.00
ILMN_2832620	Rfx1	NM_009055.2	363.43	421.05	481.26	372.94	428.14	534.59	600.24	614.86	874.65	518.50	498.94	455.71	646.41	513.04	470.05	835.57	809.11	765.29	0.71	0.05	0.41	0.00
ILMN_2745614	1810015C04Rik	NM_025459.2	851.03	840.25	666.68	818.16	942.08	716.16	1290.37	1455.29	1221.43	579.44	706.15	768.99	691.23	622.56	697.34	1349.11	1186.13	1297.96	0.68	0.00	0.82	0.00
ILMN_2614380	Map3k1	NM_011945.2	609.49	617.99	573.13	625.81	629.27	634.62	1855.61	1921.67	2060.16	565.84	509.86	538.78	619.45	558.18	594.45	1580.37	1638.78	1466.32	0.10	0.00	0.09	0.00
ILMN_2754253	Gna13	NM_010303.2	1911.40	1843.23	1391.81	1915.87	1908.21	1550.44	3231.41	2767.06	2623.71	1795.23	1899.93	1624.54	1547.00	1655.38	1636.51	3061.49	2903.98	2669.01	0.73	0.01	0.14	0.00
ILMN_2538615	LOC381691	XM_355666.1	20.00	20.00	21.21	24.48	20.00	20.00	59.81	87.50	100.37	28.43	20.68	32.34	20.00	25.65	32.43	101.82	95.27	97.91	0.52	0.01	0.83	0.00
ILMN_2674533	Renbp	NM_023132.2	447.62	418.93	528.68	429.05	443.92	600.49	1276.91	1268.10	1821.09	693.91	569.59	629.24	645.29	612.17	601.35	1693.91	1464.96	1468.05	0.70	0.01	0.78	0.00
ILMN_2836924	Wdr45	NM_172372.1	590.25	615.21	572.87	702.02	574.40	594.62	980.75	974.00	993.20	527.56	695.65	589.74	718.24	836.41	815.81	871.33	1146.94	926.70	0.50	0.00	0.04	0.02
ILMN_1215398	B230326M20Rik	AK045953	20.00	20.00	20.00	20.00	20.00	23.02	55.17	54.60	72.78	20.00	20.00	20.00	20.00	20.00	20.00	73.52	48.65	50.38	0.37	0.00	1.00	0.01
ILMN_2855315	Hist1h1c	NM_015786.1	4190.66	4342.44	4431.03	4206.78	4414.17	4998.05	5807.03	8183.87	9498.98	3773.64	3981.65	3665.58	3988.91	3848.41	4082.16	8418.94	7655.19	8472.83	0.43	0.03	0.22	0.00
ILMN_3042112	Gpr137b	NM_031999.1	20.00	20.00	24.57	20.00	20.00	28.27	56.38	61.49	74.23	39.89	22.80	44.00	20.00	34.14	35.64	136.54	112.77	92.49	0.72	0.00	0.53	0.01
ILMN_2857595	AI413582	NM_001002895.2	222.61	175.63	267.33	223.00	193.40	278.84	478.77	537.39	634.15	308.97	277.28	296.31	247.51	299.78	301.26	558.28	637.50	648.45	0.80	0.00	0.60	0.00
ILMN_1212734	Fgd6	NM_053072	133.54	157.28	126.43	159.79	138.18	138.22	359.24	337.98	366.13	138.17	140.24	139.00	150.78	128.02	127.13	356.86	311.78	324.50	0.62	0.00	0.65	0.00
ILMN_1232181	Syne2	NM_001005510.2	45.49	57.06	76.68	47.04	58.04	83.77	87.96	100.99	135.19	68.70	83.96	68.96	63.43	75.03	73.39	107.28	112.89	115.76	0.83	0.04	0.63	0.00
ILMN_2777351	Ick	NM_019987.1	242.85	280.42	230.54	255.32	276.99	254.55	433.24	356.40	508.25	256.30	300.04	308.55	291.42	298.45	295.41	513.87	522.51	521.13	0.55	0.02	0.70	0.00
ILMN_2766592	Sipa1l2	NM_001081337.1	189.29	193.81	234.15	185.49	209.34	253.36	294.51	425.43	472.19	237.54	197.30	190.93	191.77	161.76	184.54	424.62	391.53	338.99	0.70	0.03	0.16	0.00
ILMN_1252200	A830055I09Rik	AK043943	261.53	244.65	226.91	274.63	222.65	271.61	520.55	456.51	539.13	319.76	239.37	235.15	277.96	223.49	225.13	457.86	375.21	390.16	0.58	0.00	0.53	0.02
ILMN_2971688	Nrg1	NM_178591.2	120.61	93.14	145.08	113.80	96.94	168.94	198.64	218.12	336.39	125.43	114.33	101.38	98.62	117.79	106.97	289.54	309.29	233.61	0.81	0.04	0.54	0.00
ILMN_2467800	Uap1l1	NM_001033293.2	2478.52	2426.20	2540.09	2490.29	2519.94	2782.02	4568.29	5189.43	4806.25	2574.11	2690.62	2628.92	2733.37	2583.98	2719.76	4479.72	4912.53	5090.28	0.30	0.00	0.46	0.00
ILMN_2768073	Parp6	NM_029922.2	249.90	226.77	228.87	252.86	231.96	252.46	360.00	330.36	373.43	217.10	246.01	213.39	250.61	233.80	237.34	320.82	369.07	352.65	0.35	0.00	0.26	0.00
ILMN_1228475	Ulk1	NM_009469.3	474.23	515.48	601.20	518.80	497.17	650.06	774.87	789.35	1128.42	609.06	500.37	513.16	697.62	566.70	587.45	837.76	814.89	831.47	0.70	0.04	0.22	0.00
ILMN_1250278	Sdad1	NM_172713.2	323.84	375.99	389.85	393.78	402.52	341.00	590.93	569.67	513.44	363.02	394.26	399.00	357.23	448.35	432.32	546.07	654.38	579.08	0.60	0.00	0.42	0.00
ILMN_1219573	C130072A16Rik	AK081724	175.58	187.92	138.34	185.21	201.60	139.18	445.06	449.41	282.20	190.52	200.60	193.56	190.33	177.18	225.42	577.38	508.67	606.97	0.75	0.02	0.86	0.00
ILMN_2647048	Atp6v1d	NM_023721.2	2890.03	2815.18	3454.94	3144.60	2972.37	3423.17	5913.17	6263.46	8281.02	3212.39	3457.42	3665.54	3308.82	3488.61	3517.54	7249.57	7245.19	8279.34	0.63	0.01	0.97	0.00
ILMN_1247102	E530018O14Rik	AK089160	20.00	20.00	25.99	29.54	20.00	20.00	48.41	59.08	43.77	31.89	21.43	20.55	20.00	33.39	25.81	45.92	44.05	44.38	0.77	0.00	0.76	0.01
ILMN_2441811	Zscan20	NM_177758.3	61.70	64.12	56.06	62.26	59.57	67.94	100.77	123.18	76.77	48.78	56.73	67.70	47.73	56.72	59.77	98.58	84.98	93.07	0.49	0.04	0.67	0.01
ILMN_1239042	Ankhd1		390.42	415.04	409.53	400.61	410.22	457.60	591.61	662.89	734.59	379.94	386.57	395.76	457.23	375.57	458.91	713.39	631.49	615.34	0.40	0.00	0.20	0.00
ILMN_1216624	Tmem55b	NM_001033271.3	1219.87	1185.80	782.01	1220.74	1295.40	810.54	2644.38	3178.70	2003.55	754.03	1001.52	1026.16	995.09	1069.66	964.45	1879.48	2194.95	2304.42	0.83	0.01	0.42	0.00
ILMN_1244409	Cmtm4	NM_153582.4	272.83	287.43	314.35	286.62	289.78	336.18	750.60	679.11	727.95	362.54	341.56	310.36	330.44	324.95	339.64	1015.96	866.65	947.66	0.56	0.00	0.70	0.00
ILMN_2722650	LOC100044776	XM_001472871.1	1068.09	1216.09	1101.09	1209.26	1258.41	1064.08	1768.31	1808.35	1948.43	1042.96	958.10	923.22	949.52	945.43	994.83	1916.90	1490.74	1585.69	0.54	0.00	0.78	0.01
ILMN_1259606	3110057O12Rik	NM_026622.2	141.12	113.41	58.55	146.16	115.32	62.91	453.42	432.70	262.30	32.67	55.65	69.95	63.78	55.59	68.82	178.75	173.99	184.88	0.92	0.01	0.44	0.00
ILMN_1245256	2610024E20Rik	NM_146084.1	322.53	320.38	273.82	321.15	324.12	307.30	595.93	686.81	612.86	319.72	304.46	271.76	300.95	281.88	249.75	684.65	725.10	684.28	0.51	0.00	0.36	0.00
ILMN_1223734	Atf4	NM_009716.2	3915.12	4062.91	3713.69	4285.81	4311.36	3613.24	8097.48	8843.30	7449.31	3860.37	4322.36	4331.00	4029.95	4195.17	4133.81	8066.28	8185.07	9427.59	0.53	0.00	0.77	0.00
ILMN_2985305	D15Wsu169e	NM_198420.1	33.93	26.41	31.86	52.51	20.93	29.33	61.36	47.58	46.68	48.57	36.71	38.49	35.88	37.98	36.77	54.38	64.65	66.08	0.73	0.02	0.31	0.02
ILMN_1243473	B930066N23Rik	AK047459	79.04	60.90	94.63	87.84	68.76	85.03	170.86	180.27	197.65	85.52	129.60	118.74	119.89	137.03	114.12	299.34	314.02	333.67	0.85	0.00	0.45	0.00
ILMN_2629395	Rhoq	NM_145491.2	23.65	37.82	29.84	39.89	37.71	20.00	50.80	76.87	56.11	21.21	24.22	27.29	32.10	31.22	20.00	34.49	49.73	47.53	0.79	0.03	0.45	0.02
ILMN_1237695	Pfkp	NM_019703.3	513.37	580.95	769.88	569.94	603.29	752.66	1503.55	1313.02	1816.73	741.52	629.89	544.05	624.43	605.04	513.79	1585.69	1671.64	1308.51	0.84	0.01	0.44	0.00
ILMN_2550631	Trpm7	AK009470	47.37	75.73	65.39	70.59	52.56	71.09	105.88	123.11	146.87	83.59	52.29	67.60	84.39	47.64	62.52	109.69	127.97	126.04	0.86	0.01	0.84	0.01
ILMN_2628258	Syvn1	NM_028769.4	2857.68	2948.78	3018.84	3104.55	2852.91	3229.86	7014.41	6775.73	7035.35	3244.74	2964.81	2779.30	3249.34	3056.51	2905.35	7679.91	6711.38	7011.02	0.37	0.00	0.68	0.00
ILMN_1256564	Ak3l1	NM_009647.4	88.67	84.61	55.72	97.76	93.75	51.29	568.52	582.69	445.31	49.56	51.53	38.24	38.34	41.50	46.42	461.56	495.71	390.49	0.81	0.00	0.41	0.00
ILMN_2418324	Usp54	NM_030180.2	700.46	623.35	714.63	755.53	659.58	703.98	1077.08	1150.64	1153.23	671.34	675.60	712.36	742.17	743.16	726.64	1082.42	1217.13	1177.33	0.54	0.00	0.02	0.00
ILMN_2772691	LOC666036	XR_030810.1	876.33	768.89	622.33	865.97	836.39	649.83	1207.35	1319.80	1007.48	651.38	961.56	1091.90	756.37	832.36	976.50	1177.27	1435.51	1565.60	0.79	0.02	0.77	0.05
ILMN_2637538	Dusp3	NM_028207.2	53.70	46.83	41.05	43.29	46.49	57.56	97.19	112.31	121.08	55.49	47.30	55.06	71.31	79.39	57.51	132.32	144.07	168.94	0.75	0.00	0.07	0.00
ILMN_2756733	Ccdc130	NM_026350.2	1075.82	1076.81	1283.58	1124.69	1218.71	1216.79	1748.48	1832.53	2326.48	1172.98	975.22	1117.02	1132.10	1015.16	1039.42	1923.42	1738.85	1817.77	0.61	0.01	0.72	0.00
ILMN_2689931	Megf10	NM_001001979.1	406.72	398.70	417.15	428.40	420.27	420.88	1024.97	1059.20	1451.03	466.46	324.84	353.71	351.17	272.77	318.93	1332.50	1223.64	1194.52	0.06	0.00	0.24	0.00
ILMN_1218310	Piga	NM_011081.2	1242.97	1212.36	1153.63	1237.73	1216.34	1292.16	3252.99	3099.81	3345.48	1262.95	1063.70	1070.29	1268.53	1061.06	1112.81	3000.22	2675.23	2779.29	0.26	0.00	0.87	0.00
ILMN_2605556	Amdhd2	NM_172935.4	75.09	83.25	99.88	74.57	83.33	112.25	220.47	219.92	247.77	104.76	98.97	87.49	112.90	123.84	114.88	237.82	197.32	224.96	0.78	0.00	0.03	0.00
ILMN_1251984	C730026J16		1643.15	1662.59	1698.64	1636.04	1651.95	1917.62	2648.29	3163.97	3884.49	1869.59	1411.87	1670.33	1788.58	1523.53	1887.60	3371.73	3619.29	3362.56	0.51	0.01	0.65	0.00
ILMN_2933993	Rad9	NM_011237.1	387.00	380.09	455.48	404.63	404.97	456.24	576.03	579.75	840.39	435.57	388.64	452.57	411.72	418.89	445.44	806.42	656.01	638.17	0.65	0.05	0.99	0.01
ILMN_1222813	LOC100045542	XM_001473941.1	3197.69	3160.11	3500.71	3191.48	3297.85	3749.49	4833.74	4927.29	5474.98	3609.31	3137.04	3541.14	3841.84	3755.21	3653.77	5913.63	5560.14	5449.29	0.56	0.00	0.11	0.00
ILMN_1246493	Rtkn2	NM_001081346.1	55.53	39.13	33.66	27.94	56.52	51.65	74.49	70.90	58.95	51.52	50.03	44.73	48.85	44.13	52.39	88.88	89.71	94.16	0.83	0.03	0.93	0.00
ILMN_1230977	Pgm2	NM_028132	4129.40	4079.57	4081.16	4718.76	3829.01	4241.39	10050.71	10658.55	10725.61	4653.76	3855.34	3676.02	4264.88	3685.70	3631.38	9316.03	8878.60	8542.01	0.55	0.00	0.61	0.00
ILMN_2777478	Nbl1	NM_008675.2	79.55	90.57	77.44	92.68	108.45	61.83	184.97	257.71	156.85	66.86	89.63	84.24	82.77	67.25	86.59	156.47	210.87	179.31	0.74	0.02	0.89	0.00
ILMN_2680406	Rnf44	NM_134064.1	2935.30	2980.06	3542.72	3138.68	2981.43	3680.24	4511.73	4808.71	6085.98	3783.45	2921.88	3079.21	3466.93	3043.67	3167.10	6688.68	5663.49	5317.54	0.71	0.02	0.91	0.01
ILMN_2742152	Gadd45a	NM_007836.1	346.41	335.07	306.32	335.48	362.61	324.53	1382.90	1643.16	1480.89	348.73	445.57	420.52	461.75	385.93	401.08	1948.44	1895.30	2043.32	0.52	0.00	0.78	0.00
ILMN_2653215	Nagk	NM_019542.1	512.18	578.81	575.24	558.13	552.59	613.23	892.55	957.69	1043.26	608.74	657.83	610.22	530.18	567.17	591.48	922.00	1157.54	1140.33	0.54	0.00	0.06	0.00
ILMN_2506012	Trp53inp1	NM_021897.1	1630.27	1600.63	1423.52	1572.68	1557.04	1682.22	2910.37	3123.18	2891.98	1355.06	1429.11	1366.61	1518.96	1562.99	1477.78	2415.39	2417.25	2471.00	0.53	0.00	0.02	0.00
ILMN_2491824	A430107N12Rik		846.73	792.53	644.61	775.61	841.21	735.16	1178.57	1361.59	1150.38	634.86	653.83	713.74	684.31	694.97	657.65	1003.74	1143.80	1166.74	0.75	0.01	0.68	0.00
ILMN_2634083	Cdkn1a	NM_007669.3	3509.18	3910.36	4138.25	3756.81	3797.95	4412.50	8022.34	7806.10	9694.39	3708.56	3673.57	3965.04	4260.01	4178.58	4028.64	8673.61	8354.70	7733.13	0.65	0.00	0.03	0.00
ILMN_2663211	Stbd1	NM_175096.3	263.59	283.81	269.90	276.42	286.79	282.37	1196.89	1283.03	1090.96	296.90	275.49	329.22	256.07	222.13	222.24	1270.31	1263.95	1115.88	0.23	0.00	0.03	0.00
ILMN_1243564	Plekha1	NM_133942.2	63.43	75.76	71.64	71.10	58.26	92.02	119.60	124.98	193.91	78.81	75.24	71.62	90.19	83.73	80.39	217.69	179.62	186.16	0.75	0.03	0.05	0.00
ILMN_1242636	A430096A09Rik	AK079868	60.56	48.59	56.61	64.00	49.08	58.69	106.65	123.90	183.32	53.34	56.50	58.56	54.69	49.72	42.36	99.91	90.39	90.05	0.74	0.02	0.14	0.00
ILMN_2812935	Atp6v1h	NM_133826.2	2978.73	2736.42	3066.06	2961.42	3126.57	2984.69	5181.85	5627.55	6014.61	3198.07	2902.61	2917.83	3143.95	3072.82	2898.46	6415.39	6253.78	6464.92	0.43	0.00	0.80	0.00
ILMN_1238520	Clk2	NM_007712.2	380.40	351.89	367.61	366.68	361.94	410.00	582.68	574.76	543.73	349.45	433.79	405.77	405.75	453.37	410.39	617.75	633.68	644.91	0.50	0.00	0.41	0.00
ILMN_1255897	Dip2c	NM_001081426.1	112.55	107.95	81.03	124.24	115.55	75.83	189.27	157.11	131.91	80.05	75.71	73.91	51.80	82.99	74.73	149.17	131.22	138.82	0.81	0.04	0.52	0.00
ILMN_3123473	Aldh18a1	NM_019698.1	980.84	1014.64	934.85	966.95	1155.59	918.80	1843.95	1660.59	1797.17	1005.87	1025.44	1011.79	1064.59	945.23	947.69	1820.12	1534.87	1558.23	0.65	0.00	0.51	0.00
ILMN_1224434	Mtdh	NM_026002.4	4732.06	4656.77	4253.70	4659.10	4679.31	4738.91	8408.12	8507.86	7919.87	4707.16	4474.88	4527.97	4767.62	4286.53	4512.07	7853.29	8631.06	7782.71	0.39	0.00	0.77	0.00
ILMN_1249559	5730494J16Rik	AK077637	274.09	257.21	331.27	266.35	293.07	329.57	517.89	518.93	634.52	353.07	466.47	402.02	301.66	379.10	365.40	1003.82	1067.46	1075.49	0.78	0.00	0.22	0.00
ILMN_1248799	Fnip1	NM_173753.3	41.06	41.31	69.94	49.68	44.37	59.19	113.92	114.47	124.21	34.14	45.79	33.97	57.04	48.75	42.76	101.60	96.96	96.02	0.98	0.00	0.11	0.00
ILMN_1237132	AW549877	NM_145930.2	2868.82	2757.00	3386.80	2964.84	2892.91	3433.53	4788.30	4532.50	6016.93	3234.68	2800.10	2791.22	3051.29	2956.96	2814.70	4911.24	4608.07	4517.48	0.74	0.01	1.00	0.00
ILMN_2903484	Foxj3	NM_172699.2	815.57	838.87	688.11	787.83	813.47	807.36	1449.44	1559.16	1654.77	759.93	722.07	778.00	730.30	731.26	725.87	1387.17	1512.00	1415.99	0.67	0.00	0.22	0.00
ILMN_1260456	Hsd3b7	NM_133943.2	734.40	732.18	914.17	771.69	788.79	887.29	1381.56	1328.62	1696.80	856.35	799.71	865.75	956.81	936.22	845.80	1742.05	1492.74	1742.25	0.77	0.01	0.14	0.00
ILMN_1245609	Sgpl1	NM_009163.2	246.41	254.02	314.95	272.57	250.83	316.79	400.28	428.93	493.03	292.19	359.76	364.02	316.02	314.19	363.76	548.97	677.98	623.25	0.79	0.01	0.81	0.00
ILMN_2777082	P4ha2	NM_011031	2246.13	2172.58	1798.63	2172.33	2249.15	1972.51	4749.13	4909.30	3877.23	1818.56	1992.53	1742.38	1619.73	1916.65	1611.53	3939.75	4496.79	4144.38	0.73	0.00	0.34	0.00
ILMN_1225084	1700013G10Rik	XM_889570.2	135.10	130.86	121.49	144.36	124.44	131.05	238.31	257.85	313.98	153.31	92.88	108.72	116.00	95.81	108.97	210.62	171.19	220.73	0.59	0.00	0.58	0.02
ILMN_3090545	Dppa5	NM_025274.1	20.00	24.20	34.39	20.00	23.97	38.02	81.94	99.92	183.16	64.48	27.11	30.06	67.24	61.25	50.37	279.57	245.09	185.62	0.88	0.04	0.22	0.00
ILMN_3007428	Sox9	NM_011448.2	152.18	147.43	108.22	143.47	149.75	123.47	437.13	444.05	344.94	83.46	124.72	132.43	108.73	125.94	137.52	427.51	435.40	458.38	0.86	0.00	0.58	0.00
ILMN_3140158	2700007P21Rik	NM_173750.2	1192.91	1170.99	1286.69	1171.74	1172.87	1428.76	1867.09	2232.74	3003.22	1373.85	1215.36	1239.99	1357.43	1260.44	1218.50	2346.54	2020.00	1879.59	0.68	0.03	0.97	0.01
ILMN_2871412	Sars	NM_011319.1	761.94	814.19	759.36	833.93	797.94	772.96	1275.88	1280.20	1464.45	909.58	1016.60	900.49	910.84	873.86	874.91	1280.94	1729.18	1653.70	0.41	0.00	0.23	0.01
ILMN_2723513	2610024E20Rik	NM_146084.1	260.09	248.79	184.01	260.88	256.36	194.26	507.11	542.45	404.56	190.25	260.19	215.93	188.78	232.49	207.03	449.45	578.03	481.52	0.86	0.01	0.63	0.00
ILMN_1239858	Dnajc13	XM_135146.8	577.97	512.52	681.79	582.22	568.25	665.43	953.09	952.93	1371.61	702.74	708.03	680.31	709.42	653.78	658.70	1318.67	1307.99	1179.94	0.81	0.03	0.31	0.00
ILMN_2724303	Dtl	NM_029766.2	152.08	146.15	143.23	182.20	143.63	132.56	228.23	230.83	223.03	123.71	169.33	142.72	129.67	160.05	160.44	198.44	217.17	262.42	0.73	0.00	0.79	0.03
ILMN_1218325	LOC675228	XR_034614.1	4225.71	4320.34	5150.74	4224.93	4240.53	5718.64	6319.46	6684.45	8934.50	5314.73	5055.70	5595.78	5176.71	4852.16	5232.82	7913.57	8437.18	8126.19	0.79	0.03	0.30	0.00
ILMN_1237208	Lamp1	NM_010684.2	4716.34	5213.44	6294.02	4960.06	4846.38	7014.44	8655.02	8374.38	11778.53	5670.40	6166.64	6185.33	6120.90	5893.54	6004.30	9931.48	10873.82	11165.68	0.83	0.02	0.99	0.00
ILMN_2681670	Vps37b	NM_177876.4	1019.19	1041.45	1211.10	1066.81	934.24	1404.93	1583.89	1720.49	2282.05	1380.19	1319.36	1201.50	1336.50	1306.14	1188.05	2825.87	2508.07	2942.46	0.78	0.03	0.75	0.00
ILMN_1249547	Zfp292	XM_909747.3	1465.01	1484.73	1632.21	1504.26	1495.31	1719.14	3039.67	2857.62	4062.94	1544.37	1506.30	1419.19	1521.25	1416.41	1413.87	3285.31	3159.76	3130.05	0.64	0.01	0.48	0.00
ILMN_2454204	Tnfrsf22	NM_023680	422.52	474.17	545.78	451.58	472.35	557.79	1096.52	1332.77	1764.40	628.44	591.77	599.24	580.89	616.68	653.44	1668.26	1974.16	2039.72	0.80	0.01	0.68	0.00
ILMN_1235060	1700015E05Rik	AK005989	142.20	146.38	189.00	139.71	155.89	196.42	264.00	236.66	321.82	226.62	169.85	163.07	184.50	160.68	157.72	379.23	329.78	255.26	0.84	0.02	0.44	0.03
ILMN_2782402	Napb	NM_019632.1	97.35	94.17	106.59	118.16	106.98	83.98	253.89	209.07	313.46	84.33	87.62	107.45	120.34	99.94	110.05	215.71	222.95	194.86	0.75	0.01	0.14	0.00
ILMN_2729097	Fbxl20	NM_028149.1	319.25	335.67	390.40	339.12	327.70	409.01	569.76	555.16	795.75	365.13	293.51	383.32	439.20	354.99	401.27	687.95	629.67	533.43	0.78	0.02	0.24	0.01
ILMN_2983948	Creld2	NM_029720.1	1753.26	1844.46	1663.73	1786.20	1823.28	1794.15	3641.67	3986.97	3553.88	1689.62	1850.92	1716.94	1679.66	1949.01	1864.46	3476.71	4052.71	4292.39	0.42	0.00	0.45	0.00
ILMN_2840286	Megf10	NM_001001979.1	168.29	178.76	168.53	176.59	166.30	187.24	373.89	464.45	377.21	146.34	153.35	179.35	116.97	142.56	150.43	508.49	486.46	566.37	0.52	0.00	0.18	0.00
ILMN_2974117	Kctd6	NM_027782.1	746.53	796.14	724.36	755.91	878.15	703.17	1659.11	1646.39	1615.91	703.66	683.98	773.56	709.05	710.90	768.39	1600.84	1643.93	1684.14	0.70	0.00	0.80	0.00
ILMN_2454692	Ubtd1	NM_145500.3	116.46	103.29	114.92	124.92	99.38	120.66	222.05	193.43	215.76	136.35	160.87	131.02	88.54	140.07	101.58	328.86	257.38	277.53	0.72	0.00	0.14	0.00
ILMN_2561408	A530026H04Rik	AK040807	202.70	185.62	209.54	212.79	191.99	209.08	314.29	305.63	456.86	217.05	186.83	199.61	201.29	208.09	172.48	367.88	419.71	328.59	0.61	0.03	0.63	0.00
ILMN_1249670	Pdia4	NM_009787.2	1075.63	978.86	1007.70	1155.43	1127.45	882.32	2089.28	1618.50	1739.90	1108.75	1322.44	1170.41	1036.40	1284.43	1156.74	1835.09	2348.63	2235.65	0.73	0.01	0.69	0.01
ILMN_2621160	Ddb2	NM_028119.4	78.44	98.49	112.09	88.54	91.50	115.74	149.46	142.34	151.67	88.01	104.19	100.93	85.65	112.50	110.72	172.91	170.79	153.77	0.87	0.01	0.63	0.00
ILMN_1236725	Gdf1	NM_008107.3	274.74	267.67	294.50	309.25	279.21	271.39	581.68	517.55	782.65	227.24	222.54	221.62	271.95	228.09	245.83	396.79	412.81	367.28	0.62	0.01	0.13	0.00
ILMN_1260569	1810013L24Rik	XM_907664.2	476.13	463.19	457.96	498.26	470.66	465.41	697.92	741.86	660.16	469.97	474.33	414.07	497.66	492.79	476.66	769.61	732.69	800.94	0.34	0.00	0.15	0.00
ILMN_2608995	Dusp4	NM_176933.4	20.00	20.00	20.00	20.00	20.00	21.61	57.04	86.52	102.00	25.50	20.00	20.00	20.00	20.00	20.00	123.07	90.55	86.09	0.37	0.01	0.37	0.00
ILMN_3149680	Fbxl12	NM_013911.2	377.95	371.80	243.86	343.48	391.47	275.01	628.81	529.83	477.90	297.14	324.09	317.60	350.08	340.29	342.26	491.97	540.78	493.32	0.93	0.03	0.02	0.00
ILMN_1236323	Pk3	AK083076	165.02	174.57	206.57	173.29	167.18	221.59	583.94	658.98	752.77	213.56	176.58	224.84	184.70	184.53	205.42	665.47	728.45	646.94	0.82	0.00	0.45	0.00
ILMN_2725155	Fnip1	NM_173753.3	2461.53	2393.96	2198.07	2443.19	2411.84	2367.55	5568.40	6510.55	5069.19	1797.19	1966.40	2004.54	1768.53	1818.63	1857.03	4867.69	4574.79	4790.67	0.53	0.00	0.19	0.00
ILMN_1238412	Shmt1	NM_009171	1231.53	1206.04	1253.49	1284.62	1326.07	1176.78	1803.01	1961.99	1983.23	1071.70	1192.89	1151.95	1134.37	1188.36	1123.30	1890.05	1971.17	1929.59	0.53	0.00	0.82	0.00
ILMN_2798674	2810046L04Rik	NM_173382.1	1071.58	1255.79	1222.40	1043.06	1221.77	1388.96	1687.43	1798.19	2316.85	1245.81	1130.58	1142.08	1332.16	1158.31	1228.28	2113.61	1878.01	1927.33	0.78	0.02	0.34	0.00
ILMN_1236637	Trim33	NM_053170.2	250.05	249.41	230.48	260.58	251.43	236.03	400.27	415.28	470.23	229.11	245.09	263.91	260.72	256.36	225.63	431.37	437.76	424.65	0.56	0.00	0.92	0.00
ILMN_2747331	2400010D15Rik	NM_029623.1	559.75	570.60	630.69	595.14	606.89	599.32	1018.57	945.61	1104.81	615.08	713.57	603.09	647.15	699.63	642.13	915.61	1175.30	1076.42	0.58	0.00	0.66	0.01
ILMN_2752966	Tlr4	NM_021297.2	132.60	132.88	154.36	147.03	138.69	143.29	225.74	219.95	199.36	136.99	129.76	149.61	164.67	150.89	143.49	261.02	249.22	242.94	0.71	0.00	0.17	0.00
ILMN_1245528	M6prbp1	NM_025836.3	579.98	548.99	364.07	592.53	627.15	335.14	1184.08	1151.77	672.27	411.53	654.05	464.16	387.78	545.88	521.84	768.97	1013.63	1151.36	0.87	0.05	0.79	0.02
ILMN_1251494	A630056H20Rik	AK042081	377.44	435.59	361.30	440.61	406.48	356.19	632.43	716.79	771.39	342.74	325.34	351.60	365.70	322.73	344.03	691.77	627.75	595.88	0.79	0.00	0.79	0.00
ILMN_1219539	Zfp655	NM_028298.3	1243.33	1182.60	1142.04	1206.24	1146.42	1304.02	1967.40	1999.65	2205.33	1168.79	1054.34	986.19	1008.73	1099.34	908.75	1873.34	1947.87	1971.93	0.62	0.00	0.45	0.00
ILMN_1215341	Ypel5	NM_027166.5	1932.10	1891.33	1825.53	1904.48	1938.18	1940.05	3291.80	3496.93	3333.74	2065.22	1948.79	1975.08	1884.83	1954.98	1948.77	4031.46	3584.71	3575.70	0.25	0.00	0.18	0.00
ILMN_1252762	Trib3	NM_175093.2	56.57	59.33	77.68	59.77	61.48	76.14	357.89	432.31	665.49	77.51	75.42	71.46	83.57	65.32	73.44	713.73	609.95	643.22	0.89	0.01	0.91	0.00
ILMN_1242176	BC008163	NM_145553.1	2645.17	2768.64	2145.23	2898.86	2789.82	2084.02	4562.65	5347.04	3609.77	1990.18	1818.70	1962.28	2249.94	2063.54	2242.48	2858.25	2879.09	3241.05	0.83	0.02	0.03	0.00

ILMN_2696592	C77080	XM_110498	359.63	370.29	347.49	375.57	335.45	393.87	592.48	655.03	724.55	374.76	393.16	432.44	407.34	426.68	480.38	830.04	809.61	941.62	0.65	0.00	0.24	0.00
ILMN_1236274	Vps26	NM_133672.1	5929.91	5761.59	5793.98	6068.24	5827.42	5999.35	12442.85	15351.77	13789.31	5665.54	6022.66	6067.49	6229.30	5971.35	6695.29	12948.14	13588.43	13071.73	0.20	0.00	0.20	0.00
ILMN_2643377	Slc24a6	NM_133221.1	284.57	307.13	296.34	354.53	295.98	264.46	566.56	639.57	568.45	304.70	360.99	304.01	356.15	348.51	362.73	771.10	703.89	681.32	0.76	0.00	0.17	0.00
ILMN_1252202	Tnfaip3	NM_009397.2	438.77	415.47	419.22	431.48	443.20	428.11	770.27	768.79	868.26	359.50	302.66	344.32	385.54	328.84	366.52	707.14	552.73	519.17	0.32	0.00	0.36	0.01
ILMN_1221226	E230017J10Rik	AK054093	49.15	48.63	40.48	37.87	46.75	58.51	74.79	70.06	96.31	45.45	39.21	43.56	47.28	47.03	46.67	86.57	70.79	59.72	0.82	0.02	0.08	0.02
ILMN_1217055	Rab3gap2	XM_980542.1	829.72	726.64	962.79	813.88	803.26	950.57	1333.16	1244.75	1813.91	1039.39	842.15	982.96	1034.63	797.30	849.01	1610.10	1538.65	1420.61	0.86	0.03	0.55	0.00
ILMN_1240972	9430008C03Rik	XM_001004952.1	1334.55	1213.69	1417.71	1270.27	1240.00	1560.34	2398.66	2472.20	2980.21	1540.64	1334.38	1399.57	1559.60	1350.63	1348.65	3083.44	3206.83	2735.39	0.78	0.00	0.96	0.00
ILMN_2581419	E330031M19Rik	AK087858	168.62	163.92	157.57	187.15	177.60	140.24	336.36	403.55	251.43	140.85	146.57	134.66	148.67	139.02	156.99	230.07	234.70	293.68	0.75	0.02	0.29	0.01
ILMN_1252809	5031439G07Rik	NM_001033273.2	712.81	644.08	569.69	694.01	682.82	589.99	1252.52	1510.58	1309.11	529.74	595.15	636.48	594.50	577.56	649.28	1062.11	1271.15	1135.30	0.81	0.00	0.63	0.00
ILMN_2605212	Slc6a8	NM_133987.1	3166.40	3205.19	3245.40	3391.13	3394.61	3056.29	5416.13	5211.33	5909.55	2709.89	2989.36	3153.87	2850.12	3061.33	2996.51	4873.19	4765.96	5075.87	0.55	0.00	0.91	0.00
ILMN_2546624	Nudel-pending	AK011168	68.18	72.14	67.16	70.76	63.01	79.15	121.64	124.68	140.01	57.74	73.17	66.40	72.47	72.07	67.05	109.43	129.79	99.76	0.73	0.00	0.38	0.01
ILMN_2769136	Mthfd2	NM_008638	2019.30	2003.87	2141.48	2211.68	1890.63	2210.59	3629.31	4022.27	5172.32	2727.69	2381.53	2325.00	2061.22	2069.62	2135.76	5327.96	4692.23	4085.55	0.69	0.01	0.04	0.00
ILMN_2659323	Cnot1	XM_914270.2	92.16	98.41	77.44	118.92	95.69	65.81	145.84	156.44	108.80	57.39	94.62	90.94	74.57	97.10	80.45	124.99	125.21	143.80	0.82	0.04	0.83	0.02
ILMN_2727013	Nr1h4	NM_009108.1	1348.60	1348.41	1548.54	1428.58	1308.83	1601.82	2053.37	2458.09	2705.88	1033.25	1296.05	1229.22	1511.44	1742.30	1478.04	1959.02	1731.27	1715.66	0.79	0.01	0.03	0.01
ILMN_2564564	9930013M16Rik	AK036810	40.41	37.75	44.49	41.11	45.24	38.81	206.73	326.88	372.19	61.22	43.85	53.85	41.73	63.75	58.35	303.44	283.49	337.59	0.77	0.01	0.85	0.00
ILMN_2939012	1500012F01Rik	NM_001081005.1	4341.79	4284.59	3765.24	4347.23	4341.53	3945.41	7097.19	7042.71	6820.11	3990.80	3905.88	4123.81	3981.69	4450.14	4173.23	5951.48	6665.22	6701.98	0.74	0.00	0.26	0.00
ILMN_2595973	Grn	NM_008175.3	5389.60	5193.12	5014.46	5327.77	5397.75	5185.52	9454.67	9732.49	10439.86	4629.08	5605.96	4952.46	5198.69	5384.42	5880.00	10729.43	10383.30	9890.48	0.45	0.00	0.29	0.00
ILMN_2516899	Uvrag	NM_178635.2	931.35	928.83	905.45	939.28	937.70	943.21	1819.05	1929.12	2294.72	928.91	880.66	868.49	930.01	911.12	828.78	2031.01	2069.24	2045.19	0.10	0.00	0.94	0.00
ILMN_2783940	Atxn7l2	NM_175183.2	194.88	173.96	190.46	176.05	177.57	218.98	432.81	430.30	361.46	191.50	178.17	192.85	179.04	191.80	171.42	353.89	321.69	328.47	0.79	0.00	0.42	0.00
ILMN_1254673	1190012C08Rik	AK028016	134.09	137.60	168.00	156.19	126.26	166.49	259.08	232.88	273.32	143.81	145.73	160.34	151.77	125.36	137.12	231.08	251.97	216.63	0.86	0.00	0.27	0.00
ILMN_1219893	Ctdspl2	NM_212450.3	922.86	893.90	860.79	915.76	947.62	864.93	1470.62	1391.19	1527.36	861.24	845.50	845.76	938.85	838.44	792.76	1396.39	1345.02	1182.16	0.60	0.00	0.90	0.00
ILMN_2545407	4933401P20Rik	AK016608	64.57	77.19	86.35	65.87	87.80	78.58	148.52	152.42	187.88	90.77	78.50	99.79	67.22	100.25	107.53	165.37	171.92	157.32	0.88	0.00	0.89	0.00
ILMN_1235370	Arnt	AK040475	52.89	55.20	57.55	55.68	58.39	54.55	89.63	87.84	92.58	54.13	48.08	45.51	65.73	57.48	56.54	94.45	68.92	68.26	0.60	0.00	0.05	0.04
ILMN_1260144	Pusl1	XM_001476573.1	243.75	244.68	265.52	227.25	224.45	327.32	380.51	360.36	487.87	279.75	230.94	243.08	237.10	252.59	241.61	391.81	394.65	403.27	0.82	0.02	0.65	0.00
ILMN_2681631	Ctsa	NM_001038492.1	20.00	20.00	20.00	20.00	20.00	21.08	39.03	70.70	54.62	20.00	20.00	20.00	31.00	24.44	27.07	57.63	75.62	63.95	0.37	0.02	0.02	0.00
ILMN_2650289	Rin1	NM_145495.2	667.39	620.25	675.51	699.41	652.65	645.56	816.17	1135.72	1020.00	722.56	716.64	740.92	705.03	667.00	711.55	1319.19	1307.64	1215.88	0.66	0.02	0.11	0.00
ILMN_1215400	Ppp1ca	NM_031868.2	248.26	224.37	166.11	234.67	241.80	171.83	401.98	351.87	270.47	192.88	208.36	165.24	182.15	171.61	161.18	398.97	334.43	326.58	0.93	0.05	0.29	0.00
ILMN_2892413	Tnfrsf22	NM_023680.2	107.08	109.30	88.95	107.81	147.16	69.14	186.18	310.95	176.57	82.31	114.16	95.90	77.68	110.57	113.23	222.80	356.75	385.69	0.80	0.05	0.85	0.01
ILMN_2470333	Usp3	NM_144937.3	855.17	827.73	647.20	811.71	875.44	678.85	1323.63	1381.21	980.30	729.97	710.19	735.83	719.24	736.81	779.60	1247.14	1148.23	1206.45	0.90	0.03	0.37	0.00
ILMN_2600991	Als2cr13	NM_001037725.2	884.19	813.46	538.73	816.13	876.33	569.85	2021.03	1823.31	1248.85	581.31	614.22	712.46	574.95	693.25	704.62	1140.35	1335.11	1277.86	0.95	0.02	0.72	0.00
ILMN_2627296	Pvr	NM_027514.1	36.51	47.89	75.96	37.08	52.44	71.80	153.88	153.79	226.50	63.45	67.69	76.01	55.22	65.46	59.09	248.54	237.06	198.92	0.98	0.01	0.13	0.00
ILMN_2688446	9030605E16Rik	NM_029417.1	53.98	74.69	46.36	66.93	58.19	50.44	162.80	144.97	116.11	31.04	44.63	62.09	60.69	52.54	54.91	110.41	83.59	98.77	0.99	0.01	0.34	0.01
ILMN_1221994	E430007C11Rik	AK088198	31.51	39.67	25.93	31.73	43.35	24.74	117.26	87.58	103.74	20.00	47.67	20.00	25.06	20.00	37.32	64.61	94.82	64.78	0.90	0.00	0.88	0.03
ILMN_3161105	Ahnak2	NM_001033476.1	972.60	1009.06	1286.07	933.91	1047.85	1351.96	2556.82	3280.71	4146.94	1506.45	1369.26	1575.89	1369.33	1352.50	1398.07	3517.55	4235.25	3449.48	0.90	0.01	0.15	0.00
ILMN_2642007	Tor1aip2	NM_172843.2	113.84	113.44	79.90	132.56	106.78	76.41	179.40	203.45	147.59	79.22	141.54	116.12	112.12	119.28	106.76	206.97	234.04	203.94	0.89	0.02	0.98	0.01
ILMN_2428301	Clk1	NM_001042634.1	1549.79	1645.65	1581.34	1511.11	1592.51	1750.59	2378.60	2590.07	2481.42	1538.77	1465.55	1522.66	1525.25	1536.62	1516.06	2532.84	2361.03	2414.67	0.75	0.00	0.50	0.00
ILMN_2484527	Vegfa	NM_009505.3	1355.81	1312.78	1156.39	1390.45	1456.54	1060.83	6116.53	7090.11	6319.05	1223.21	954.66	1107.34	1000.24	956.16	1096.65	6198.95	5593.62	5452.97	0.85	0.00	0.43	0.00
ILMN_2424138	Rnf19a	NM_013923.2	30.62	34.60	33.99	28.96	38.50	33.69	69.07	67.32	81.37	43.85	34.70	31.09	31.36	34.72	20.00	60.93	77.11	54.04	0.84	0.00	0.25	0.02
ILMN_1253365	Lypd1	NM_145100.3	740.26	707.88	919.53	702.16	686.32	1042.88	1072.18	1238.67	1507.27	963.76	733.31	761.58	749.50	741.84	722.48	1501.39	1278.68	1111.71	0.88	0.03	0.33	0.02
ILMN_2721357	Lhfpl2	NM_172589.2	338.55	350.91	434.19	370.57	363.63	398.29	814.62	875.67	1011.19	444.69	431.23	448.46	484.61	439.21	489.33	1197.25	1139.57	1017.36	0.93	0.00	0.15	0.00
ILMN_2579578	Aebp1	AK087614	46.00	61.36	49.70	47.26	68.98	44.73	114.44	182.03	171.59	35.47	49.51	56.64	47.03	37.14	50.17	106.86	102.33	132.67	0.89	0.01	0.76	0.00
ILMN_2714787	1110038B12Rik	XM_922038.2	2210.56	2114.97	2225.81	2068.83	2135.50	2448.36	3431.94	3836.74	4605.57	2748.42	2565.20	2512.82	2718.65	2873.88	2577.07	4300.77	3834.57	3898.16	0.80	0.01	0.36	0.00
ILMN_1250815	Wsb1	NM_001042565.2	3291.55	2930.89	3525.35	3333.76	2971.34	3568.08	5341.86	5742.36	7324.82	3378.34	2811.89	3185.64	3284.11	2904.39	3155.52	6310.67	6242.89	5678.94	0.87	0.01	0.96	0.00
ILMN_2431807	2610024E20Rik	NM_146084	1568.26	1520.44	1246.88	1613.52	1663.81	1150.50	2483.54	2595.45	2105.60	1165.29	1357.31	1225.62	1223.28	1287.91	1261.11	2522.82	2237.86	2627.06	0.88	0.01	0.90	0.00
ILMN_1216740	Nktr	AK088056	242.39	254.96	235.41	279.73	264.79	203.76	439.66	456.44	438.47	198.03	201.06	228.41	224.86	229.88	196.37	381.71	343.02	408.05	0.84	0.00	0.61	0.00
ILMN_3112922	Hdac5	NM_001077696.1	1046.07	1108.22	1179.84	1089.90	1128.21	1153.83	2626.60	3026.67	3091.54	968.17	1002.03	1037.51	1118.70	1044.96	1121.15	2323.96	2354.00	2195.09	0.78	0.00	0.04	0.00
ILMN_2686975	9130404D14Rik	NM_146119.1	4777.91	5081.06	6670.87	5550.80	5384.55	5616.73	7943.51	7601.50	9151.45	6393.29	5897.06	6472.24	6266.69	6089.47	6079.53	10287.75	9913.27	9677.58	0.99	0.02	0.60	0.00
ILMN_2663555	Asb3	NM_023906.3	552.72	559.27	520.58	578.06	549.06	525.57	850.63	839.28	898.86	548.87	505.46	490.09	533.40	523.56	512.91	842.19	759.22	756.86	0.75	0.00	0.67	0.00
ILMN_1258534	Atp6v0d1	NM_013477.3	989.74	1081.73	1132.70	1141.95	1127.38	975.67	1624.62	1736.77	1914.38	942.09	1226.90	1348.60	1078.24	1373.59	1407.72	1852.30	2286.96	2301.22	0.85	0.00	0.51	0.01
ILMN_2642313	Fiz1	NM_011813.2	588.08	609.51	701.08	654.27	643.75	617.89	792.87	986.20	1241.53	632.47	635.48	714.06	780.58	609.27	729.20	992.83	1044.00	984.87	0.88	0.05	0.47	0.00
ILMN_1222803	Hspa9	NM_010481.1	4339.61	4379.87	4330.58	4258.52	4107.20	4873.08	7832.89	7689.46	9600.31	5384.03	4960.98	5245.46	4867.43	4845.43	4664.40	9172.01	9459.72	8971.22	0.80	0.00	0.04	0.00
ILMN_2754222	Rpp25	NM_133982.1	663.65	545.88	756.44	570.23	582.48	854.08	909.64	1054.44	1420.69	583.55	551.19	571.50	537.74	570.25	486.20	1182.47	1024.77	1013.22	0.91	0.04	0.23	0.00
ILMN_1242377	Jmjd6	NM_033398.2	4127.92	4276.08	3959.55	4256.97	4189.12	4056.81	8596.97	8876.22	10104.45	3810.71	4255.71	4257.23	3555.96	4229.57	4069.99	7801.36	8248.21	8679.00	0.69	0.00	0.57	0.00
ILMN_1252133	LOC269859	XR_001705.1	771.49	793.89	512.69	744.09	821.96	531.21	1473.00	1765.71	1195.27	612.25	660.23	623.06	630.60	669.48	683.60	1683.08	1563.34	1703.48	0.96	0.01	0.24	0.00
ILMN_3161813	Tube1	NM_028006.2	253.35	234.98	260.61	248.39	231.10	279.58	403.18	429.43	450.39	252.66	216.09	221.00	243.72	248.36	211.73	396.01	394.20	268.38	0.84	0.00	0.79	0.05
ILMN_1229082	Klhl21	NM_001033352.3	779.46	703.46	708.47	877.99	770.63	593.11	1894.02	2136.48	1225.25	667.97	906.41	780.07	831.45	996.96	930.07	2223.15	2485.48	2161.91	0.86	0.02	0.18	0.00
ILMN_1258904	A930013G23Rik	AK044444	67.37	75.57	56.68	57.47	69.18	74.96	123.28	147.15	160.36	69.47	62.85	68.65	73.90	69.59	46.56	120.74	121.72	119.81	0.93	0.00	0.70	0.00
ILMN_1249698	Wbp2	NM_016852.2	9507.23	10397.46	11561.92	10243.41	10213.53	11283.88	17856.57	17852.06	25483.73	11996.55	10198.84	11417.60	11844.01	10081.63	10596.70	20155.20	17647.01	16609.41	0.90	0.02	0.65	0.00
ILMN_2692262	Fvt1	XM_203753.2	1676.43	1848.87	1366.27	1782.70	1730.76	1416.98	2690.90	2650.40	2475.76	1490.45	1666.24	1693.55	1981.00	1912.60	1857.25	2624.94	2346.09	2728.21	0.95	0.00	0.01	0.00
ILMN_2791769	Ddb2	NM_028119.2	409.38	417.75	462.02	425.05	449.04	427.37	671.45	669.59	776.24	428.67	356.58	403.29	446.61	407.67	438.56	630.58	607.33	671.57	0.83	0.00	0.22	0.00
ILMN_1214137	LOC229810	XM_124173.2	517.29	537.55	515.57	557.80	485.37	546.51	837.94	893.87	796.52	558.08	634.40	659.68	550.22	680.09	642.11	972.18	926.30	905.73	0.80	0.00	0.90	0.00
ILMN_2959272	Rnu6	NR_003027.1	3348.65	3074.50	3442.49	3292.71	3108.39	3571.80	4503.77	4803.29	6110.52	3394.09	3363.47	3887.60	3632.49	3681.34	3411.74	5996.88	5555.77	5710.40	0.85	0.02	0.89	0.00
ILMN_2685365	Atp6v0d1	NM_013477.3	3124.82	2874.18	3844.37	3243.55	2780.11	3948.12	4998.74	4715.50	6402.59	3384.84	3280.12	3219.02	4001.28	3637.84	4069.84	6268.60	5924.87	5597.45	0.93	0.02	0.01	0.00
ILMN_3117134	Gm527	NM_001025605.1	82.42	83.53	78.38	78.10	81.72	87.14	131.16	150.74	144.33	95.20	77.87	65.82	67.22	64.28	69.81	119.54	121.63	115.28	0.79	0.00	0.22	0.01
ILMN_2851710	Clk4	NM_007714.2	2278.84	2397.88	2198.63	2551.88	2506.29	1934.88	3699.03	3835.66	3342.35	2054.90	2095.77	2140.59	2295.27	2187.69	2234.27	3103.39	3298.94	3334.67	0.86	0.00	0.02	0.00
ILMN_1213272	Pgbpll	NM_145147	327.09	322.81	245.96	329.96	312.60	259.10	494.30	508.09	478.32	265.63	299.96	316.94	280.69	295.73	285.27	455.15	489.87	416.08	0.96	0.00	0.68	0.00
ILMN_1230353	Bcl6	NM_009744.3	680.66	543.08	749.17	600.93	601.20	788.78	1239.04	1172.68	1737.67	779.84	630.50	724.95	739.56	647.08	613.13	1608.48	1274.40	1334.86	0.95	0.02	0.48	0.00
ILMN_3138674	Aebp2	NM_009637.3	217.23	238.76	244.31	196.10	258.54	256.99	385.71	368.35	447.24	248.28	244.32	242.98	271.90	237.17	238.64	450.70	418.56	409.00	0.87	0.00	0.74	0.00
ILMN_1258364	5430434G16Rik		552.57	584.52	588.78	562.38	541.44	641.59	1338.47	1354.08	1542.27	527.31	473.91	482.85	523.57	454.59	463.53	995.50	1016.43	911.06	0.85	0.00	0.63	0.00
ILMN_1258785	6030455K13Rik	AK031575	43.34	25.74	20.00	30.70	20.00	37.30	95.08	96.23	163.24	47.60	45.07	33.55	39.46	39.64	30.33	181.82	123.87	191.86	0.97	0.02	0.35	0.00
ILMN_2648170	Pdcd2	NM_008799.2	1450.04	1453.02	1188.92	1605.71	1491.93	1072.74	2256.83	2473.68	1754.03	998.11	1543.96	1465.61	1155.39	1565.17	1449.86	2107.67	2525.87	2770.95	0.89	0.03	0.81	0.01
ILMN_1226467	H2-T18	AK046930	67.85	87.83	108.91	93.01	84.81	84.39	153.71	175.07	149.00	69.41	82.14	71.30	70.99	71.32	76.94	176.34	130.97	131.99	0.95	0.01	0.80	0.01
ILMN_1225056	Slc5a6	NM_177870.4	630.90	635.33	565.25	638.13	630.82	577.32	1012.31	1099.54	971.07	600.58	581.78	567.16	639.90	606.71	616.13	966.52	990.94	1138.85	0.88	0.00	0.05	0.00
ILMN_2714415	4922501C03Rik	NM_199316.2	56.54	31.49	52.00	36.39	61.95	42.10	74.14	94.90	111.29	72.46	60.29	65.43	58.88	62.64	67.40	131.35	116.17	91.67	0.99	0.02	0.51	0.02
ILMN_2605935	EG667410	XM_990406.1	53.13	57.69	101.75	53.76	63.79	93.17	215.21	230.16	329.84	90.86	74.01	107.61	91.96	79.15	107.90	287.22	264.85	281.69	0.98	0.01	0.87	0.00
ILMN_1230680	D130057F13Rik	AK083901	95.14	106.45	122.57	100.74	104.26	121.07	174.27	210.03	187.80	96.72	87.85	101.71	87.46	101.30	99.95	152.51	155.19	159.25	0.95	0.00	0.90	0.00
ILMN_1258674	Serac1	NM_177311.3	20.00	20.00	20.00	20.47	20.00	20.00	63.55	77.83	38.12	20.00	20.00	20.00	20.00	20.00	20.00	39.43	46.70	49.81	0.37	0.03	1.00	0.00
ILMN_1215530	Ccnt2	AK013634	917.59	970.53	956.28	995.28	921.44	950.33	1603.64	1623.43	2220.52	1089.01	838.51	886.70	935.47	931.38	867.90	1569.36	1433.11	1613.29	0.79	0.01	0.76	0.00
ILMN_3121255	Vegfa	NM_001025250.2	152.26	163.39	215.53	181.60	158.13	190.98	911.87	929.71	1076.60	160.07	160.69	161.38	165.01	168.50	168.39	1152.79	1049.72	1026.80	0.99	0.00	0.01	0.00
ILMN_1253900	1810026B05Rik	XM_489186	1231.63	1274.01	1267.16	1268.10	1278.82	1253.92	2666.00	2739.70	2719.35	1268.92	1179.80	1238.02	1208.87	1160.14	1249.34	2334.67	2372.86	1982.73	0.57	0.00	0.57	0.00
ILMN_1226868	Mapk4	NM_172632.2	57.24	39.72	34.91	43.01	38.61	48.86	69.81	81.76	89.13	33.49	52.17	22.68	47.27	28.49	46.94	80.00	84.03	71.32	0.95	0.01	0.68	0.01
ILMN_2724371	Phldb1	NM_153537.3	569.20	615.67	470.98	574.09	625.24	469.99	881.32	876.17	740.46	554.58	550.89	559.30	516.49	561.81	524.84	863.58	829.76	1007.30	0.95	0.01	0.22	0.00
ILMN_2857114	Strbp	NM_009261.2	330.91	330.50	305.93	311.37	333.17	329.61	447.33	464.78	604.80	326.31	297.11	326.95	345.18	267.46	290.80	565.87	507.15	412.34	0.84	0.02	0.57	0.02
ILMN_2724005	9330177P20Rik	NM_177462	209.12	196.93	227.92	205.69	192.92	241.70	347.81	361.44	391.23	218.68	250.18	218.26	253.90	258.77	230.09	380.48	419.99	449.32	0.91	0.00	0.25	0.00
ILMN_1248379	EG434077	XM_485815.4	217.30	236.60	233.94	248.89	210.95	233.84	339.05	315.59	389.04	278.65	243.41	238.66	243.59	238.07	222.21	441.38	409.22	350.54	0.88	0.01	0.25	0.01
ILMN_2698738	Lmbr1l	NM_029098.3	167.02	179.29	184.85	155.16	160.13	227.41	300.96	304.97	441.72	228.95	174.60	192.09	207.99	205.14	203.48	378.64	404.95	340.74	0.88	0.02	0.69	0.00
ILMN_2744138	BC003236	NM_030249	351.16	324.78	330.58	357.82	351.63	305.81	781.68	662.39	816.75	310.56	304.94	299.26	295.97	281.61	279.42	909.59	865.77	639.14	0.88	0.00	0.03	0.00
ILMN_2926198	2310016C08Rik	NM_023516.3	1175.63	1276.61	1178.75	1271.17	1242.11	1142.71	7337.82	7911.28	7313.23	1115.67	892.89	1044.21	1196.53	1160.40	1082.73	6699.10	6331.43	6673.13	0.88	0.00	0.16	0.00
ILMN_1228175	Top3b	AK079765	48.66	40.39	58.26	48.14	47.21	51.35	86.77	92.35	101.33	53.33	50.64	55.94	55.01	65.50	57.84	82.10	99.89	91.85	0.97	0.00	0.15	0.00
ILMN_2696191	Pip4k2c	NM_054097.2	1965.63	1891.05	2196.59	1963.31	2093.68	2022.53	3810.56	4172.42	4483.07	1909.06	1926.88	2038.45	1924.35	2035.22	2052.32	4192.82	4046.53	3914.35	0.93	0.00	0.47	0.00
ILMN_1258517	Gbe1	AK050423	20.00	20.00	20.00	20.00	20.36	20.00	121.53	159.80	114.50	20.00	20.00	20.00	20.00	20.00	20.80	69.84	100.59	105.07	0.37	0.00	0.37	0.00
ILMN_2493052	Zfyve26	NM_001008550.1	551.37	518.24	502.84	553.48	576.10	458.40	1179.44	1247.45	1094.92	497.33	518.97	534.78	534.76	526.51	546.35	1055.84	1056.40	1230.85	0.90	0.00	0.20	0.00
ILMN_1228446	A630034E16Rik	AK041749	146.40	155.91	147.08	132.64	149.07	172.63	306.35	337.18	327.91	185.48	173.23	162.69	166.69	155.96	161.43	366.07	315.12	287.79	0.90	0.00	0.16	0.00
ILMN_1214800	Rnf167	NM_027445.1	357.43	355.09	408.01	351.45	332.77	449.60	597.45	504.76	778.53	395.19	338.78	364.70	423.63	425.80	377.79	622.85	542.23	625.24	0.92	0.04	0.13	0.00
ILMN_3142573	Mapk1ip1	NM_001045483.1	118.43	116.71	131.48	95.80	126.52	152.07	198.38	192.26	240.97	108.13	103.56	93.83	125.86	90.79	127.57	173.31	165.68	128.94	0.89	0.01	0.37	0.02
ILMN_2628021	0610031J06Rik	NM_020003.1	1506.90	1569.12	1656.30	1571.17	1579.61	1599.41	2565.42	2606.75	2503.29	1565.98	1814.78	1683.12	1673.37	1921.70	1705.72	2622.39	3162.53	2889.39	0.90	0.00	0.50	0.00
ILMN_1224697	Fbxl12	NM_013911.2	70.86	59.66	70.45	64.63	66.72	69.99	109.31	93.22	129.58	73.36	78.73	73.25	72.35	71.14	73.90	145.47	123.42	114.02	0.98	0.02	0.25	0.01
ILMN_1250328	D7Ertd70e	AK079628	21.98	23.24	37.39	31.88	20.00	30.35	64.67	73.44	76.47	34.46	32.68	44.55	24.79	30.52	21.29	84.23	77.34	77.21	0.98	0.00	0.06	0.00
ILMN_2936380	Sgpl1	NM_009163.2	441.15	423.00	353.21	478.89	424.36	327.72	726.52	877.70	618.97	272.93	406.91	434.79	333.38	414.64	422.65	597.20	764.09	806.91	0.93	0.01	0.76	0.01
ILMN_2681516	Slc39a6	NM_139143.2	3641.34	3693.49	3289.65	4088.96	3599.36	3034.39	5768.91	6354.25	5194.81	3382.50	2887.64	3201.16	3147.29	3173.48	3001.39	5768.84	5880.72	6362.58	0.93	0.00	0.76	0.00
ILMN_2506115	Ulk1	NM_009469.3	311.16	260.49	365.01	306.98	278.01	349.80	502.79	434.96	637.19	326.14	321.68	320.33	382.12	387.01	359.98	589.90	474.94	447.57	0.99	0.03	0.00	0.01
ILMN_2760057	BC068281	NM_173416.2	20.00	20.00	31.26	31.53	20.00	20.00	52.07	33.37	49.47	20.00	27.09	27.31	20.00	23.95	29.55	55.20	46.79	39.63	0.99	0.04	0.94	0.01
ILMN_2908874	Ccdc132	NM_024260.3	953.73	1001.82	812.60	970.18	984.35	819.71	1514.84	1762.78	1527.28	778.13	829.11	880.67	903.02	890.95	880.15	1519.32	1491.13	1457.43	0.98	0.00	0.11	0.00
ILMN_2873444	Fbxo32	NM_026346.1	83.52	87.31	111.59	80.04	91.33	112.17	275.53	232.10	325.61	96.10	89.29	86.12	144.05	102.59	100.90	273.77	227.51	199.15	0.98	0.00	0.15	0.00
ILMN_2647835	Bsg	NM_009768.2	20.00	20.00	26.20	20.00	20.00	26.39	54.74	60.11	87.61	20.00	21.31	20.00	40.85	20.12	20.00	48.88	52.25	60.77	0.98	0.01	0.40	0.00
ILMN_1240466	Eif5	NM_178041.1	1633.40	1702.77	1365.61	1664.73	1579.23	1454.09	2816.73	2563.14	2820.42	1639.35	1663.18	1685.48	1631.21	1737.47	1741.34	2550.53	3037.07	2870.84	0.99	0.00	0.35	0.00
ILMN_2589615	Ptrh1	NM_178595.3	189.87	204.14	237.21	196.88	187.15	251.09	341.55	463.26	591.32	248.78	189.85	232.37	174.42	197.76	206.61	571.22	581.16	601.19	0.96	0.03	0.20	0.00
ILMN_1216822	Insig2	NM_178082.2	2201.11	2241.29	2033.64	2254.24	2179.18	2054.37	3974.83	3574.32	3575.08	2184.55	1989.10	1995.06	2119.37	2015.55	2184.95	3794.83	3097.75	2975.43	0.97	0.00	0.57	0.01
ILMN_1248657	Il17rd	NM_134437.3	185.34	196.29	119.67	177.04	208.00	118.80	372.99	435.61	248.61	105.50	113.12	147.96	120.48	124.73	129.89	279.96	223.60	290.87	0.98	0.04	0.84	0.00
ILMN_2680440	Atp6v1b2	NM_007509.2	2302.37	2422.13	2597.89	2301.33	2581.98	2447.20	5464.72	5358.49	5598.03	2288.10	2632.60	2539.84	2621.36	2420.78	2618.85	5417.56	5944.83	6043.59	0.98	0.00	0.61	0.00
ILMN_2644025	Hk1	NM_010438.2	246.50	270.76	179.56	316.61	247.13	153.57	477.31	635.42	499.38	221.65	214.98	197.29	210.86	204.77	212.60	524.32	459.55	461.82	0.91	0.01	0.82	0.00
ILMN_2678421	Pcolce2	NM_029620.2	1759.79	1692.00	1820.11	1726.63	1756.34	1791.57	3021.52	2937.29	3434.32	1872.12	1760.10	1822.27	1762.65	1849.09	1762.97	4029.78	3194.97	3240.63	0.98	0.00	0.57	0.00
ILMN_2628658	Atp6ap2	NM_027439.3	938.33	923.23	1124.66	870.74	982.34	1141.48	1575.18	1731.38	1894.00	1113.38	1211.35	1158.28	1138.94	1269.60	1119.65	1974.99	2185.61	2429.69	0.98	0.00	0.80	0.00
ILMN_1230788	Tle1	NM_011599.3	329.61	314.97	277.79	300.75	325.40	294.93	398.84	510.13	495.00	280.02	266.54	306.90	324.90	312.19	321.41	450.48	402.17	469.97	0.98	0.01	0.05	0.00
ILMN_2586958	9530095N04Rik	AK079300	20.00	20.00	20.00	20.00	20.00	20.00	53.96	51.08	57.55	20.00	20.00	20.00	22.97	29.14	24.09	80.60	71.42	59.07	1.00	0.00	0.05	0.00
ILMN_2710139	Ppargc1a	NM_008904.1	20.00	20.00	20.00	20.00	20.00	20.00	32.91	33.21	41.97	20.00	20.00	20.00	20.00	26.56	20.00	39.91	33.79	28.88	1.00	0.01	0.37	0.01
ILMN_2598232	Cxxc6	XM_125673.2	20.00	20.00	20.00	20.00	20.00	20.00	36.64	35.53	55.54	20.00	20.00	20.00	26.55	20.00	20.00	46.35	32.77	27.62	1.00	0.03	0.37	0.05
ILMN_1230428	LOC100046372	XM_001476089.1	20.00	20.00	20.00	20.00	20.00	20.00	87.14	86.40	193.11	20.00	20.00	20.00	20.00	21.24	22.78	129.06	118.00	90.98	1.00	0.04	0.17	0.00
ILMN_2531176	AI507611	XM_001477461.1	20.00	20.00	20.00	20.00	20.00	20.00	125.64	101.85	126.06	20.00	20.00	20.00	20.00	23.48	20.00	94.83	122.07	74.59	1.00	0.00	0.37	0.00
ILMN_1219984	Sesn2	NM_144907.1	20.00	20.00	20.00	20.00	20.00	20.00	35.18	66.10	72.24	20.00	20.00	20.00	20.00	20.00	22.11	75.56	61.46	63.00	1.00	0.03	0.37	0.00
ILMN_1227386	Aig1	NM_025446.1	20.00	20.00	20.00	20.00	20.00	20.00	62.55	70.73	57.14	20.00	20.00	20.00	20.00	21.79	20.00	83.62	58.62	45.16	1.00	0.00	0.37	0.02
ILMN_3161863	AI595366	NM_001033042.3	20.00	20.00	20.00	20.00	20.00	20.00	59.18	62.23	97.50	20.00	22.35	22.88	20.00	20.00	27.00	101.60	97.85	82.16	1.00	0.01	0.83	0.00
ILMN_2723293	Smtnl2	NM_177776.3	20.00	20.00	20.00	20.00	20.00	20.00	210.73	188.16	286.22	20.00	20.00	20.00	20.00	20.00	20.00	209.27	194.70	127.38	1.00	0.00	1.00	0.00
ILMN_1218732	2810426P10Rik	XM_148728.1	20.00	20.00	20.00	20.00	20.00	20.00	163.09	202.07	187.60	20.00	20.00	20.00	20.00	20.00	20.00	188.79	128.09	144.07	1.00	0.00	1.00	0.00
ILMN_2574997	A630024K09Rik	AK041609	20.00	20.00	20.00	20.00	20.00	20.00	69.90	85.79	82.15	20.00	20.00	20.00	20.00	20.00	20.00	61.12	53.55	55.73	1.00	0.00	1.00	0.00
ILMN_2657210	Hey2	NM_013904.1	20.00	20.00	20.00	20.00	20.00	20.00	66.78	64.73	91.12	20.00	20.00	20.00	20.00	20.00	20.00	71.83	82.41	49.12	1.00	0.00	1.00	0.01
ILMN_1221121	Gpr35	NM_022320.3	20.00	20.00	20.00	20.00	20.00	20.00	57.42	81.34	75.66	20.00	20.00	20.00	20.00	20.00	20.00	61.26	58.85	56.71	1.00	0.00	1.00	0.00
ILMN_1240160	Nmu	NM_019515.1	20.00	20.00	20.00	20.00	20.00	20.00	39.82	59.80	79.21	20.00	20.00	20.00	20.00	20.00	20.00	78.03	55.33	55.79	1.00	0.03	1.00	0.00
ILMN_2567946	C530044D11Rik	AK049717	20.00	20.00	20.00	20.00	20.00	20.00	36.00	42.16	48.82	20.00	20.00	20.00	20.00	20.00	20.00	40.84	45.41	47.55	1.00	0.00	1.00	0.00
ILMN_2777524	Nyx	NM_173415	20.00	20.00	20.00	20.00	20.00	20.00	30.18	41.75	53.54	20.00	20.00	20.00	20.00	20.00	20.00	60.28	53.67	50.64	1.00	0.03	1.00	0.00
ILMN_1252543	Atp7a	AK048541	20.00	20.00	20.00	20.00	20.00	20.00	30.45	41.07	49.83	20.00	20.00	20.00	20.00	20.00	20.00	32.44	29.18	29.65	1.00	0.02	1.00	0.00
ILMN_2768924	Fosl2	NM_008037.3	20.00	20.00	20.00	20.00	20.00	20.00	29.81	30.05	41.05	20.00	20.00	20.00	20.00	20.00	20.00	31.34	33.48	29.20	1.00	0.02	1.00	0.00
ILMN_2619773	PEBP2aB	D13802	20.00	20.00	20.00	20.00	20.00	20.00	43.27	41.67	33.84	32.76	20.00	20.00	20.00	27.52	23.41	73.09	53.32	54.77	1.00	0.00	0.90	0.01
ILMN_1243741	Rora	NM_013646.1	20.00	20.00	20.00	20.00	20.00	20.00	53.56	66.50	54.81	21.27	20.00	20.00	20.00	20.00	20.00	64.65	56.71	71.09	1.00	0.00	0.37	0.00
ILMN_2749669	Nr1d1	NM_145434.3	20.00	20.00	20.00	20.00	20.00	20.00	36.34	46.75	73.62	20.00	20.00	21.96	20.00	20.00	20.00	41.05	52.23	57.11	1.00	0.04	0.37	0.00
ILMN_2437714	Jmy	NM_021310	20.00	20.00	20.00	20.00	20.00	20.00	47.66	30.07	51.03	27.83	20.00	21.21	20.00	20.51	23.36	41.28	38.52	42.62	1.00	0.02	0.55	0.00
ILMN_1253274	Bsg	NM_009768.1	20.00	20.00	20.00	20.00	20.00	20.00	48.41	38.64	52.03	20.00	26.03	20.00	20.66	20.00	20.00	48.21	70.77	47.38	1.00	0.00	0.43	0.01
ILMN_2928320	Atp6v0d1	NM_013477.2	2321.09	2424.40	3121.92	2326.96	2462.42	3063.69	4007.94	4375.39	5421.16	2673.68	2629.40	2521.79	3276.30	2717.32	2763.84	4817.23	4761.64	4558.16	0.99	0.02	0.17	0.00
ILMN_1256245	Rlf	XM_900557.2	194.16	170.39	138.91	198.18	200.98	115.27	504.14	452.47	299.09	123.26	169.33	163.01	123.77	167.08	152.53	289.77	327.97	332.14	0.92	0.02	0.84	0.00
ILMN_1240380	Snx13	NM_001014973.1	76.13	81.81	65.90	71.58	73.44	77.92	139.16	137.98	152.78	59.54	69.62	65.17	75.22	75.39	64.24	132.05	105.80	110.33	0.95	0.00	0.22	0.00

ILMN_2473755	Vps18	NM_172269.2	706.45	734.87	819.13	782.94	738.70	733.61	1270.30	1143.40	1568.86	850.86	728.26	875.65	931.72	836.54	836.25	1555.75	1445.65	1427.21	0.97	0.01	0.42	0.00
ILMN_1230489	Zfand2a	NM_133349.2	1938.46	2034.15	2271.98	2112.72	2025.95	2088.06	2701.13	3120.61	3897.16	2355.18	2218.47	1982.90	2172.69	2105.52	1945.04	4481.31	3918.42	4376.70	0.96	0.03	0.43	0.00
ILMN_2659994	Gdnf	NM_010275.2	113.37	56.26	113.41	75.99	73.84	128.48	275.05	251.07	383.09	158.66	122.46	128.55	218.65	168.28	160.50	683.91	471.52	455.26	0.95	0.01	0.10	0.01
ILMN_1230997	Zfp248	NM_028335.1	88.85	89.05	90.19	92.91	90.72	84.30	150.74	123.88	139.96	60.48	73.91	74.29	88.25	68.05	73.55	115.04	140.18	121.75	0.98	0.00	0.40	0.00
ILMN_2763459	Tbcel	NM_173038.3	1335.38	1257.82	1428.92	1421.20	1442.09	1163.66	2368.95	2449.47	1881.01	1289.65	1249.09	1384.25	1328.55	1419.73	1388.09	2039.68	2467.36	2136.36	0.99	0.01	0.21	0.00
ILMN_2466637	Ulk3	XM_620754.3	203.23	219.96	258.01	233.83	197.57	248.08	563.27	685.60	798.78	237.03	224.61	232.80	223.10	225.81	237.57	562.86	742.09	681.38	0.98	0.00	0.67	0.00
ILMN_2680781	Arl8a	NM_026823.2	8364.44	8457.43	5991.37	8444.29	8783.30	5677.31	13675.82	15569.24	10557.31	6099.30	6380.85	6805.73	6502.84	6533.89	7067.27	11169.63	10479.78	12108.82	0.98	0.03	0.38	0.00
ILMN_3151492	Ankrd12	NM_001025572.1	231.63	244.58	223.63	259.19	246.74	196.75	574.97	646.36	491.87	199.42	228.71	255.39	202.72	236.03	265.66	531.59	721.23	633.44	0.96	0.00	0.79	0.00
ILMN_2522127	Myo1e	NM_181072	299.46	327.92	313.44	323.16	309.50	305.58	581.06	558.06	654.11	303.98	432.61	377.81	332.82	357.25	342.73	637.12	703.98	559.95	0.93	0.00	0.51	0.01
ILMN_2787212	Nfe2l3	NM_010903.1	41.70	31.26	30.16	30.99	33.41	37.67	69.72	75.76	68.92	42.97	31.40	31.90	31.79	25.45	35.79	93.27	77.92	66.90	0.94	0.00	0.41	0.01
ILMN_2620583	Pacs2	NM_001081170.1	2226.65	2203.39	2237.15	2167.07	2158.49	2327.55	4334.18	3996.33	4489.48	2300.57	2221.09	2361.10	2228.57	2160.92	2364.66	4515.69	4342.54	4221.46	0.94	0.00	0.59	0.00
ILMN_2769811	2810046L04Rik	NM_173382	407.83	397.44	382.96	414.58	411.15	360.83	607.05	671.34	661.63	351.55	379.71	415.37	420.09	359.25	414.42	631.65	567.75	587.04	0.98	0.00	0.59	0.00
ILMN_2850170	Zc3h3	NM_172121.1	517.01	536.83	598.54	497.74	499.71	661.67	905.02	958.79	1234.28	590.93	628.81	670.18	771.79	778.46	818.80	1114.39	1195.29	1015.84	0.97	0.01	0.00	0.00
ILMN_3084087	Ivns1abp	NM_001039511.1	727.33	748.53	908.55	749.16	753.26	867.73	1159.62	1292.54	1825.79	892.63	801.09	891.14	1005.05	893.20	824.79	2078.59	1725.29	1839.68	0.95	0.04	0.49	0.00
ILMN_2790241	Herpud1	NM_022331.1	3218.76	3276.37	2876.96	3214.67	3261.75	2863.36	19631.22	20193.69	17463.42	2895.83	2790.05	3089.55	3106.65	2919.13	3047.38	18578.53	18930.76	17573.89	0.95	0.00	0.39	0.00
ILMN_1217805	D630041L13Rik	AK052744	20.00	20.22	20.00	20.00	20.00	20.00	36.43	49.54	60.64	20.00	20.00	20.00	20.00	21.72	31.25	57.26	59.20	64.71	0.37	0.01	0.28	0.00
ILMN_2605031	E330018D03Rik	NM_177133.2	290.20	278.42	283.04	327.22	292.78	235.95	474.06	569.44	577.39	307.67	329.45	319.57	310.61	334.57	316.23	482.94	493.81	481.83	0.96	0.00	0.88	0.00
ILMN_2644630	Higd1a	NM_019814.3	181.35	192.70	80.63	203.24	228.84	59.87	554.27	737.53	407.76	69.87	41.30	72.03	57.16	54.40	95.41	305.86	206.68	319.47	0.85	0.02	0.66	0.00
ILMN_2987107	2310056P07Rik	NM_027342.1	3986.79	3927.89	2718.07	4054.23	3775.68	2747.62	10254.52	12290.67	5769.92	1923.31	3125.37	3247.72	2503.32	3049.23	3066.21	6471.47	8890.97	8405.82	0.98	0.04	0.83	0.00
ILMN_3084954	Tes	NM_011570.2	5687.68	5751.12	5546.25	5789.51	5712.56	5415.80	9361.09	9891.31	10235.67	5857.10	6124.86	5938.00	5138.05	5430.04	5218.15	11729.45	10987.21	10657.27	0.87	0.00	0.00	0.00
ILMN_2616274	Dot1l	NM_199322.1	163.39	142.87	133.16	160.49	166.41	114.84	241.54	257.35	208.17	155.59	188.32	168.07	142.45	167.80	157.80	312.78	301.62	270.38	0.97	0.01	0.29	0.00
ILMN_2524691	1190002N15Rik	XM_147036	538.31	568.48	448.73	558.78	540.42	448.34	1011.32	1223.10	981.90	489.90	514.66	547.34	493.68	457.36	471.54	799.47	847.02	707.22	0.96	0.00	0.09	0.00
ILMN_2730463	Cdt1	NM_026014.3	3412.47	3058.33	2673.85	2994.32	3262.08	2815.61	4888.60	5035.03	4134.75	2603.75	3060.30	2653.13	2690.33	3042.25	2962.84	5071.13	4924.79	5375.91	0.93	0.01	0.52	0.00
ILMN_2964841	Ppfibp2	NM_008905.1	20.00	20.00	20.31	20.00	20.00	20.00	40.78	63.25	79.50	20.00	20.00	20.00	20.00	20.00	20.00	78.59	50.93	51.15	0.37	0.02	1.00	0.01
ILMN_2760977	Impact	NM_008378.2	1537.24	1612.55	1649.29	1687.64	1461.07	1632.81	2593.46	2793.83	3163.24	1518.54	1600.62	1702.50	1709.52	1696.78	1656.07	2860.30	2943.79	2917.74	0.94	0.00	0.22	0.00
ILMN_1240415	LOC234987	XM_134668.2	1163.09	1085.75	994.83	1106.78	1134.54	984.35	2078.39	2311.95	2109.15	1055.29	1388.30	1192.55	993.30	1334.70	1301.66	2162.97	2772.00	2771.51	0.93	0.00	0.99	0.00
ILMN_2831944	Amdhd2	NM_172935.2	166.65	154.41	212.23	165.92	182.72	177.02	416.66	459.97	493.07	188.29	224.07	234.10	217.41	254.58	219.28	517.60	570.63	502.30	0.90	0.00	0.46	0.00
ILMN_2667384	Slc6a9	NM_008135.4	784.25	765.60	644.34	809.16	721.10	651.32	2222.90	2438.46	2343.06	750.16	737.11	820.39	881.15	919.38	910.23	2879.83	2806.36	2899.64	0.95	0.00	0.01	0.00
ILMN_3067831	Zfp187	NM_001013786.1	1413.83	1338.82	1370.00	1366.29	1350.89	1375.70	2373.01	2198.02	2623.53	1168.40	1089.64	1163.33	1359.72	1141.50	1231.78	2055.29	1876.47	1772.60	0.69	0.00	0.20	0.00
ILMN_2637698	0610010K06Rik	NM_027861.2	3143.03	2917.81	3050.14	3010.69	2995.63	3036.14	4048.80	4429.60	5371.16	3300.54	2706.16	2929.13	3256.35	2651.59	2876.11	4490.38	4524.91	4490.69	0.75	0.02	0.85	0.00
ILMN_2562032	A130070G01Rik	AK037997	201.13	209.02	193.41	224.11	184.24	192.77	413.93	412.37	452.96	202.95	186.80	203.92	192.59	206.62	219.76	398.66	371.53	350.23	0.95	0.00	0.43	0.00
ILMN_2850753	Mdm2	NM_010786.2	2046.48	2214.89	2934.61	2188.17	2087.11	2848.13	4976.97	6378.75	7470.13	2994.08	2483.67	2645.37	2997.47	2834.32	2711.70	6130.53	5877.19	5442.20	0.95	0.01	0.46	0.00
ILMN_2668805	Stam	NM_011484.2	64.33	70.22	76.81	61.77	78.65	69.83	167.06	189.25	245.11	94.37	97.65	85.55	102.96	106.95	80.15	248.14	194.52	214.89	0.95	0.01	0.67	0.00
ILMN_1246153	Erdr1	NM_133362.2	551.65	599.87	602.23	587.52	543.83	609.71	1152.12	1559.80	1316.68	690.62	571.12	639.17	648.15	562.35	621.34	1099.79	1371.61	1291.55	0.88	0.00	0.62	0.00
ILMN_1227904	2310022A10Rik	NM_175107	993.57	998.26	838.81	921.62	969.01	910.32	1450.61	1229.10	1624.39	991.37	889.82	882.56	978.36	998.00	988.94	1440.76	1329.31	1551.19	0.87	0.02	0.13	0.00
ILMN_2751054	Atf2	NM_009715	121.15	103.53	117.37	109.16	113.68	115.86	209.35	202.18	222.92	123.87	116.62	86.71	116.98	130.26	96.98	285.80	212.44	202.11	0.85	0.00	0.72	0.01
ILMN_2648669	Gpnmb	NM_053110.3	437.46	425.11	334.98	413.61	455.39	322.85	880.20	927.66	745.95	237.36	337.30	277.44	262.39	322.44	316.90	653.72	790.64	714.15	0.97	0.00	0.66	0.00
ILMN_1217272	Atp6v1c1	NM_025494.2	1184.51	1201.28	1166.04	1189.78	1145.53	1187.89	1924.77	2470.97	2421.36	1105.74	1173.71	1066.00	1040.49	1045.26	1105.99	2276.61	2054.00	2094.66	0.62	0.00	0.25	0.00
ILMN_2770429	Plod2	NM_011961	261.04	266.79	252.64	245.17	285.09	245.58	412.50	435.33	499.86	258.11	214.55	215.12	239.78	199.17	192.58	355.08	402.49	307.12	0.92	0.00	0.41	0.02
ILMN_2898319	Aldh1l2	NM_153543.1	2218.67	2113.60	2222.04	2345.72	2193.05	1975.44	4692.29	4901.06	4942.78	2578.36	2109.36	2190.12	2676.61	2073.39	2340.83	5480.64	4239.84	4564.20	0.91	0.00	0.77	0.00
ILMN_2763002	Eno2	NM_013509.2	224.88	251.65	248.88	227.00	223.97	270.10	528.28	594.10	814.63	227.99	229.19	235.59	222.84	226.12	226.44	479.64	539.57	515.69	0.94	0.01	0.09	0.00
ILMN_2517290	Impact	NM_008378.2	120.86	151.28	161.86	134.02	144.43	148.93	228.25	249.46	253.29	174.37	146.67	159.72	184.24	136.22	128.28	316.89	271.17	265.94	0.87	0.00	0.61	0.00
ILMN_1245048	scl0003886.1_50	J05277.1	114.39	107.36	116.65	113.74	105.63	116.11	361.46	409.17	291.81	146.76	124.81	122.19	123.97	102.88	101.73	357.82	345.21	314.54	0.83	0.00	0.11	0.00
ILMN_2821196	Hspa9	NM_010481.1	14827.24	14768.90	15145.86	15321.00	15167.48	13893.08	21837.58	23800.59	26259.91	15882.69	12849.04	13961.19	15392.80	13968.26	14261.50	24700.71	22389.74	22110.52	0.81	0.00	0.77	0.00
ILMN_1254523	Gsto1	NM_010362.2	6394.14	6681.70	6599.01	6964.75	6726.23	5855.65	10267.31	11704.30	10134.87	8078.85	8493.46	8480.46	8464.95	8935.21	8807.85	15039.03	13692.10	16194.42	0.91	0.00	0.12	0.00
ILMN_2621921	Clcn7	NM_011930.3	504.67	445.20	284.38	494.13	467.51	268.79	905.22	947.99	576.18	299.72	358.33	418.23	299.28	396.95	391.80	605.06	694.76	787.95	0.99	0.04	0.94	0.01
ILMN_2820814	Tbc1d15	NM_025706.2	1958.52	1998.28	1878.43	2159.64	2035.27	1625.14	4252.94	4411.04	3924.97	1801.62	2011.70	1861.08	1832.01	2146.03	2118.43	3767.48	4016.40	3561.03	0.98	0.00	0.30	0.00
ILMN_1253804	Nup50	NM_016714.2	225.03	199.49	247.23	211.87	197.88	257.13	340.43	343.52	392.94	303.87	268.52	257.14	243.56	259.74	213.83	442.33	414.12	387.29	0.95	0.00	0.13	0.00
ILMN_3094013	Mbnl2	NM_175341.3	8126.07	7925.43	7705.41	8745.02	8211.31	6709.82	15242.23	14196.97	12731.37	6671.05	6587.39	6111.02	6260.89	5774.78	5504.30	13791.39	11879.80	10111.83	0.96	0.00	0.10	0.01
ILMN_2542311	LOC547150	XR_001562.1	243.17	211.72	172.63	230.48	199.18	187.84	326.29	348.69	318.79	169.76	267.73	259.15	182.89	245.46	236.58	355.08	410.90	411.70	0.90	0.01	0.79	0.01
ILMN_1243875	Suv420h1	NM_144871.3	509.08	481.35	619.00	505.10	487.16	597.97	1122.23	1062.97	1264.56	560.01	537.00	532.63	532.94	565.55	528.52	1305.68	1300.46	1100.85	0.91	0.00	0.95	0.00
ILMN_2698449	Hbegf	NM_010415.1	134.70	110.01	155.15	132.10	110.97	152.14	202.37	194.84	296.05	175.60	144.36	129.42	134.17	110.68	113.17	295.81	288.41	225.51	0.93	0.05	0.12	0.01
ILMN_3138732	Nrap	NM_008733.3	20.00	20.00	29.36	20.00	20.07	28.34	59.72	70.41	86.04	20.00	20.00	20.00	20.00	20.00	20.00	56.92	66.72	46.35	0.94	0.00	1.00	0.00
ILMN_2421925	Wdfy1	NM_027057	1598.24	1450.61	1469.65	1579.99	1426.36	1464.88	2477.51	2164.87	2333.27	1485.62	1394.84	1400.22	1310.33	1289.52	1306.51	2443.84	2123.47	2083.90	0.82	0.00	0.01	0.00
ILMN_2676172	Zxdc	NM_030260.2	153.73	146.55	156.93	167.19	145.80	140.47	284.42	274.94	217.53	106.44	112.20	122.33	95.69	129.00	95.43	217.66	236.07	222.70	0.89	0.01	0.60	0.00
ILMN_2606693	Insig1	NM_153526.4	83.71	67.01	124.45	101.06	82.53	81.04	161.71	193.80	171.61	96.62	99.72	99.81	85.91	88.39	87.31	195.84	189.00	209.56	0.86	0.01	0.00	0.00
ILMN_2856628	D0HXS9928E	NM_138607.1	1913.37	1944.87	1793.16	1901.88	1802.05	1880.55	3746.91	3831.64	4136.97	1813.50	1965.94	1842.77	1999.85	1936.48	2043.56	3807.93	4032.36	3957.29	0.71	0.00	0.10	0.00
ILMN_1228320	Cfp	NM_008823.3	597.90	588.48	756.00	566.01	587.73	772.15	1146.74	1120.58	1404.40	755.77	628.86	668.06	784.48	766.70	730.61	1486.69	1304.18	1291.66	0.95	0.01	0.13	0.00
ILMN_2520011	5330401P04Rik	NM_172654	326.89	337.20	302.71	346.19	316.51	293.93	616.08	579.39	575.78	316.18	331.99	331.67	343.24	352.05	320.60	493.71	496.26	483.33	0.86	0.00	0.33	0.00
ILMN_3159149	Rusc2	NM_199057.2	738.31	720.47	816.69	702.39	697.15	856.06	1575.11	1509.92	2062.23	840.09	727.05	690.59	903.81	760.22	805.19	2071.57	1909.10	1959.03	0.92	0.01	0.32	0.00
ILMN_2634157	Zfp654	NM_028059.2	284.40	281.92	263.52	263.85	295.79	261.12	520.66	587.91	450.56	259.03	192.45	218.32	249.08	198.85	223.90	393.98	407.00	342.07	0.83	0.00	0.98	0.00
ILMN_1229813	Krt16	NM_008470.1	20.00	20.74	20.00	20.00	20.00	20.00	62.39	75.20	88.71	20.00	20.00	23.21	20.00	20.00	24.16	140.68	181.64	179.55	0.37	0.00	0.87	0.00
ILMN_1218592	Tes	NM_011570.3	4496.60	4466.38	4762.84	4561.72	4605.61	4387.92	8040.89	8180.46	8135.98	5402.29	5319.46	5065.25	4596.97	4650.99	4673.88	9624.14	10126.78	9071.18	0.65	0.00	0.00	0.00
ILMN_1236958	Gabarapl1	NM_020590.4	1037.20	909.16	1005.08	964.40	901.11	1050.50	1600.47	1747.11	2128.62	1037.47	956.89	1189.53	1105.79	1113.73	1149.30	1961.66	1999.88	1972.21	0.85	0.01	0.43	0.00
ILMN_2600113	Gtpbp2	NM_019581.2	1906.67	1814.75	2056.96	1781.58	1815.14	2119.58	3007.74	2674.47	3901.22	2118.90	1976.90	1992.11	1986.18	1887.99	1810.18	3782.50	3096.07	2935.50	0.88	0.03	0.12	0.01
ILMN_2727116	Sox4	NM_009238.2	982.51	935.26	1153.78	887.72	961.73	1194.95	1347.38	1667.89	1884.06	1139.01	1228.59	1249.98	1282.74	1174.81	1369.59	2267.16	2167.30	2328.87	0.94	0.02	0.35	0.00
ILMN_2431237	Xbp1	NM_013842.2	2917.67	2945.45	2923.34	2982.10	2856.65	2836.36	5059.65	4969.34	5732.75	3041.18	3077.61	2927.49	2823.41	3001.14	3031.36	5635.66	4924.85	5270.43	0.47	0.00	0.47	0.00
ILMN_1245942	Als2cr13	NM_001037725.2	149.80	158.51	145.65	162.81	150.26	135.75	321.99	366.10	277.77	78.21	115.18	134.05	116.16	131.31	136.62	212.01	224.17	206.97	0.85	0.00	0.34	0.00
ILMN_3053158	Dyrk1b	NM_001037957.1	116.79	119.64	144.52	118.84	114.62	142.29	594.16	481.61	691.91	167.03	153.38	163.43	167.78	165.43	151.29	519.65	512.57	546.24	0.89	0.00	0.98	0.00
ILMN_2959976	Tom1	NM_011622.2	182.93	189.38	245.27	207.90	179.13	218.85	439.48	431.64	640.94	236.27	253.00	211.75	224.60	205.23	231.16	476.89	488.90	440.84	0.87	0.01	0.40	0.00
ILMN_2617086	Egln1	NM_053207.1	20.00	20.00	23.56	22.57	20.00	20.00	53.41	61.86	71.42	22.32	24.16	20.00	28.54	20.00	20.00	40.66	52.55	50.91	0.83	0.00	0.84	0.00
ILMN_2903364	Swap70	NM_009302.2	411.67	405.69	324.03	428.69	378.43	319.36	869.35	1021.65	740.85	297.75	367.32	374.26	341.49	384.67	379.75	734.42	861.89	821.74	0.91	0.00	0.47	0.00
ILMN_1254426	1110003E08Rik	XM_284098.2	35.25	22.58	38.12	36.01	24.71	32.63	64.04	47.66	65.16	51.23	43.20	39.94	45.02	41.13	32.60	69.11	87.32	63.17	0.89	0.02	0.35	0.02
ILMN_2581860	2410008A19Rik	AK087728	97.24	94.87	103.92	97.55	88.65	105.99	141.29	187.74	200.32	81.58	82.13	100.30	122.91	97.85	78.94	210.78	190.97	188.93	0.83	0.01	0.45	0.00
ILMN_1223577	1110037P13Rik	AK075652	99.04	92.17	86.24	71.91	93.27	111.88	187.02	253.99	209.03	93.52	88.70	92.38	92.25	100.28	86.42	198.13	210.85	190.19	0.99	0.00	0.75	0.00
ILMN_2690596	Hey1	NM_010423.2	162.34	167.39	201.53	162.89	168.59	189.92	379.60	397.52	561.17	139.91	158.96	143.12	199.96	168.99	202.18	318.64	347.89	317.66	0.84	0.01	0.02	0.00
ILMN_1248854	Ick	NM_019987.1	449.14	491.41	496.67	457.14	494.78	461.38	775.08	822.97	835.57	514.17	501.51	537.78	518.27	529.91	567.10	966.85	931.03	854.43	0.70	0.00	0.32	0.00
ILMN_2514631	scl0002315.1_12	XM_358429.1	1111.36	1141.54	1038.22	1019.36	1154.38	1063.76	1577.17	1965.20	1755.62	1274.79	1366.67	1200.31	1197.33	1287.43	1263.97	2038.25	1751.56	2094.36	0.74	0.00	0.60	0.00
ILMN_1233424	Lbcl1	AK035683	369.74	327.95	354.73	340.20	313.07	383.63	635.79	643.50	1086.94	395.81	352.84	370.62	359.98	362.18	321.54	827.08	738.48	683.67	0.84	0.04	0.24	0.00
ILMN_1227459	Gga2	NM_028758.2	1445.43	1466.81	1246.63	1401.38	1375.64	1298.73	2425.19	2628.08	2162.35	1361.62	1441.81	1452.80	1371.90	1429.37	1470.40	2503.33	2662.15	2875.70	0.74	0.00	0.91	0.00
ILMN_2680086	Rhbdd1	NM_029777.2	742.69	731.28	852.49	786.92	717.71	776.51	1229.44	1202.32	1418.29	799.28	753.82	734.02	805.60	689.17	779.56	1257.94	1264.88	1077.25	0.75	0.00	0.92	0.00
ILMN_2792047	Fbxl15	NM_133694.1	293.35	331.37	361.13	358.24	301.33	307.73	516.51	491.07	605.98	311.67	299.97	316.08	276.16	331.90	294.42	535.20	438.91	505.60	0.83	0.01	0.65	0.00
ILMN_2592266	Pqlc1	NM_025861.2	645.36	737.96	484.06	644.23	720.86	469.76	1016.81	1073.54	784.57	442.86	577.12	592.30	535.64	546.18	656.16	838.42	902.89	1015.66	0.92	0.04	0.53	0.01
ILMN_1241522	4921505C17Rik	NM_030168.2	2042.61	2012.50	1632.67	1998.02	2024.90	1569.67	3201.22	3131.42	2786.49	1619.86	1419.07	1584.00	1584.22	1611.16	1611.73	2300.63	2212.81	2493.05	0.88	0.00	0.38	0.00
ILMN_1250531	Slc19a2	NM_054087.2	1130.52	1150.34	923.14	1250.75	1150.85	789.15	2065.62	2281.80	1841.52	859.84	1020.22	915.72	1054.03	1103.41	993.44	1925.03	1878.00	1878.62	0.98	0.00	0.11	0.00
ILMN_1248555	Gns	NM_029364.3	3237.84	3399.63	3583.77	3449.79	3404.43	3177.84	5038.21	5420.50	6555.59	2880.92	2962.50	3960.72	3274.68	3534.22	3613.46	5150.60	5761.67	5692.81	0.65	0.01	0.60	0.00
ILMN_2963700	Sfxn3	NM_053197.2	135.16	119.74	115.25	142.95	139.59	88.37	170.77	229.99	196.33	106.48	128.03	134.35	147.14	123.79	147.69	183.17	196.58	172.45	0.99	0.01	0.22	0.01
ILMN_2428798	5031439G07Rik	XM_128281	2029.27	2097.47	1385.11	1975.50	2028.04	1390.98	3104.20	3396.74	2748.83	1461.34	1544.00	1498.36	1517.95	1600.41	1596.13	2963.71	2796.02	3237.50	0.90	0.01	0.12	0.00
ILMN_1224945	E130113K22Rik	XM_484476	130.39	148.19	130.60	154.23	133.74	115.45	254.54	294.39	178.57	130.26	139.35	130.98	150.89	124.73	123.37	233.51	214.20	237.59	0.89	0.04	0.96	0.00
ILMN_2918907	Mcc	NM_001033406.1	1303.70	1244.39	1501.80	1379.64	1183.01	1408.10	1879.71	2152.87	2261.92	1337.71	1255.87	1117.71	1378.54	1225.90	1294.20	2213.24	1817.49	1735.39	0.81	0.01	0.47	0.01
ILMN_2888552	Slc1a4	NM_018861.2	401.54	385.55	533.21	390.57	402.14	495.08	654.65	879.15	1201.83	486.68	445.63	566.78	597.79	604.43	590.82	1173.95	1160.36	962.50	0.86	0.05	0.05	0.00
ILMN_1239895	1110001N06Rik	AK045125	564.89	542.84	506.17	550.85	551.49	481.10	1069.92	994.95	873.30	470.84	463.11	480.36	486.74	496.31	472.80	891.77	879.74	835.09	0.74	0.00	0.18	0.00
ILMN_2841753	Lrrfip1	NM_008515.1	256.88	338.38	232.19	260.78	287.76	253.22	513.91	574.79	464.36	224.57	244.79	263.39	278.72	241.18	218.69	496.11	453.58	479.84	0.81	0.01	0.93	0.00
ILMN_3024099	Seh1l	NM_001039088.1	388.69	352.96	404.10	338.09	398.41	386.89	690.64	745.22	648.07	352.27	352.47	302.11	310.43	311.84	328.82	614.96	694.95	552.97	0.77	0.00	0.35	0.00
ILMN_1259689	Dcamkl1	AK043874	69.06	61.98	40.72	85.98	78.78	24.18	149.38	132.19	97.77	30.91	30.63	42.41	33.86	24.72	32.50	70.15	62.91	78.92	0.80	0.02	0.42	0.00
ILMN_2826916	Ptpre	NM_011212.2	20.00	20.00	42.12	20.00	34.10	23.21	68.94	73.68	115.75	40.73	42.45	35.71	46.50	33.50	25.53	154.98	137.96	133.37	0.86	0.02	0.53	0.00
ILMN_1244460	Efna1	NM_010107.3	251.12	280.58	252.89	292.74	308.09	185.48	601.34	631.23	389.01	216.55	298.56	311.64	278.04	297.81	326.21	516.02	561.39	647.82	0.99	0.02	0.49	0.00
ILMN_2708906	Neu1	NM_010893.2	1139.74	1044.43	1264.33	1117.00	1032.15	1225.13	2353.79	2364.60	2488.65	1254.88	1418.32	1426.05	1177.89	1452.13	1401.60	2691.27	3065.40	3024.85	0.78	0.00	0.83	0.00
ILMN_3043245	Jmjd1a	NM_173001.1	314.25	300.95	320.71	327.26	291.67	297.77	1284.62	1244.32	1366.77	276.95	330.25	284.41	295.32	297.54	269.04	1168.10	1156.22	1097.69	0.63	0.00	0.63	0.00
ILMN_2677047	Mrps18b	NM_025878.1	658.40	700.61	649.94	629.96	660.74	674.41	989.06	1077.58	1019.43	670.15	719.78	687.31	684.51	767.04	765.72	1240.33	1176.40	1167.53	0.51	0.00	0.21	0.00
ILMN_1221048	Psat1	NM_177420.1	4142.90	4675.39	4177.40	4524.07	4795.27	3491.11	8159.14	9220.65	8064.52	4629.76	4459.17	4932.53	4324.77	4906.44	4816.73	9457.83	9744.46	9621.45	0.89	0.00	0.97	0.00
ILMN_2493338	C630022N07Rik		783.34	728.15	566.09	758.69	771.72	516.17	1570.78	1629.08	1138.47	613.28	692.91	575.05	615.95	698.82	653.88	1379.82	1257.42	1404.14	0.93	0.01	0.53	0.00
ILMN_2685696	Ing3	NM_023626.4	247.95	208.30	271.07	244.47	200.90	266.67	407.30	405.96	425.65	246.87	215.59	211.05	278.07	268.76	210.08	447.10	408.15	378.09	0.86	0.00	0.31	0.00
ILMN_1226872	Pgk1	NM_008828	20.01	20.00	33.70	27.09	23.28	20.00	48.93	47.18	60.48	32.39	47.62	53.44	34.31	46.21	53.92	65.81	91.99	102.67	0.83	0.01	0.97	0.03
ILMN_2444886	Rlf	NM_001081013.1	1901.90	1735.84	1539.26	1873.42	1772.91	1430.45	3464.58	3353.11	3133.07	1386.28	1488.06	1481.16	1518.53	1383.16	1400.34	3027.67	3398.63	3330.21	0.85	0.00	0.76	0.00
ILMN_1243210	Nek2	AK077627	20.00	20.00	21.42	20.00	20.00	20.00	46.60	53.73	62.54	20.00	21.40	26.76	22.42	30.17	25.24	51.09	59.04	65.76	0.37	0.00	0.35	0.00
ILMN_1237504	Zfp508	XM_989242.1	387.89	391.37	436.04	366.06	396.22	425.38	607.53	636.51	687.07	324.64	339.21	374.12	393.18	370.92	345.53	630.91	583.78	594.04	0.71	0.00	0.30	0.00
ILMN_1215502	P4ha1	AK045008	318.28	297.00	318.64	310.74	305.42	295.52	806.71	903.31	751.30	274.61	316.92	309.58	281.89	280.12	262.00	745.40	793.20	655.96	0.43	0.00	0.15	0.00
ILMN_2433964	Gigyf1	NM_031408.2	483.32	467.58	462.63	516.37	493.31	381.85	915.32	920.26	636.63	357.87	470.24	468.23	404.83	467.93	481.22	734.82	840.50	966.27	0.87	0.02	0.68	0.01
ILMN_1253077	Zfp346	NM_012017.2	899.75	891.07	629.75	878.15	917.75	582.70	1764.39	1814.47	1142.26	601.75	600.27	661.86	665.22	568.34	655.88	1388.62	1263.58	1333.99	0.92	0.03	0.83	0.00
ILMN_3157773	Recql4	NM_058214.2	262.81	260.96	198.01	291.29	262.97	164.88	446.13	567.65	435.48	161.82	249.21	245.52	270.03	253.99	243.33	436.01	516.55	448.62	0.98	0.01	0.28	0.00
ILMN_2466489	Zfp703	XM_912161.3	58.81	30.46	37.26	52.40	39.54	29.94	72.23	75.14	66.51	40.52	42.88	39.14	35.20	38.05	45.29	71.25	75.49	75.67	0.89	0.03	0.70	0.00
ILMN_2631663	BC022687	NM_145450.3	221.48	231.34	193.57	266.20	266.14	129.96	567.86	590.14	376.01	196.79	256.72	232.29	241.76	246.65	268.38	633.45	641.06	714.14	0.92	0.01	0.29	0.00
ILMN_1239464	C030027H14Rik		189.77	204.06	184.07	156.88	203.42	207.20	414.57	545.19	665.23	230.59	146.93	189.21	174.37	115.33	158.22	665.27	496.13	479.99	0.85	0.01	0.26	0.00
ILMN_1224079	Wfs1	NM_011716.2	140.44	156.17	190.97	167.49	168.45	137.65	239.57	227.50	314.52	256.17	182.98	206.80	171.47	205.20	186.11	349.20	305.86	309.23	0.81	0.03	0.31	0.01
ILMN_2662814	LOC100045983	XM_001476501.1	2445.27	2534.80	2079.11	2455.36	2498.04	1940.59	3467.48	3854.63	3285.84	1984.54	2096.43	2086.25	2416.95	2311.60	2259.11	3327.80	3444.21	3405.25	0.82	0.01	0.01	0.00
ILMN_1220239	Ttll7	XM_991015.2	46.39	35.04	41.10	36.24	27.24	62.47	73.82	62.27	87.76	49.53	57.22	53.05	49.93	47.63	44.63	80.58	88.93	75.35	0.92	0.01	0.10	0.00
ILMN_2450590	Trim33	NM_053170.2	232.46	264.96	155.60	224.00	220.44	178.99	315.82	359.58	313.12	246.30	206.88	211.65	188.11	202.13	216.22	371.71	359.68	388.62	0.79	0.04	0.26	0.00
ILMN_1214659	EG633692	XM_001472244.1	1078.42	1051.59	1086.06	926.88	1084.02	1129.01	1723.25	1731.83	1852.58	1203.90	1265.08	1209.14	1150.82	1157.36	1124.37	2227.64	2217.35	2104.02	0.70	0.00	0.02	0.00
ILMN_1245302	Phf3	NM_001081080.1	1374.65	1248.61	1045.94	1356.92	1431.62	850.89	1945.38	2219.66	1599.86	1057.03	1180.10	1070.62	1062.89	1108.99	1072.12	1597.63	1612.16	1752.65	0.96	0.03	0.64	0.00
ILMN_3109269	Smurf1	NM_029438.3	68.38	87.47	105.14	90.24	80.99	79.20	179.75	209.93	231.41	113.31	92.38	96.97	85.34	86.52	91.39	198.79	233.39	183.33	0.77	0.00	0.12	0.00
ILMN_2711948	LOC100047619	XR_033736.1	6510.26	6516.73	6421.82	6395.60	6315.34	6208.00	10806.34	9933.46	10447.90	7534.86	6333.94	6462.53	7314.09	6126.77	6287.05	12396.52	10999.94	10172.53	0.05	0.00	0.72	0.00
ILMN_1218543	2310051N18Rik	XM_977376.1	220.21	241.64	199.77	239.07	215.36	189.94	434.95	422.90	374.91	172.30	208.88	201.81	182.53	192.79	179.93	317.06	342.50	322.99	0.77	0.00	0.48	0.00
ILMN_2623867	Ostm1	NM_172416.2	2961.76	2990.40	3273.48	2771.77	3019.44	3185.75	4305.14	4757.04	6049.26	3116.47	2666.42	3044.99	3222.40	2790.16	3310.51	4800.42	4706.56	4400.24	0.62	0.02	0.48	0.00
ILMN_1237573	Rasa1	NM_145452.2	2277.13	2383.65	2660.66	2370.53	2413.70	2320.42	3479.98	3855.90	4788.64	2340.10	2255.47	2435.13	2262.30	2285.79	2319.32	3752.69	3627.02	3458.50	0.57	0.02	0.37	0.00
ILMN_1226383	8030404L10Rik		70.48	67.43	67.03	61.71	53.74	88.17	104.32	131.69	129.04	68.59	65.45	66.18	61.33	70.22	63.02	158.40	101.90	102.28	0.97	0.00	0.55	0.05
ILMN_2793616	Lin54	NM_172714.1	2109.83	2074.02	2141.48	2055.20	2016.60	2073.65	2927.96	3167.79	3661.28	2150.03	1797.49	1795.50	2079.48	1874.82	1791.41	3444.84	3078.47	2687.64	0.08	0.01	1.00	0.01
ILMN_2664797	Nbr1	NM_008676.1	108.02	108.78	137.11	114.36	116.36	111.02	191.20	152.80	220.94	95.78	115.48	112.23	112.57	120.11	107.12	150.08	155.26	180.27	0.70	0.03	0.49	0.01
ILMN_2927373	Ddit3	NM_007837.2	515.77	547.74	699.82	604.76	530.60	564.60	7515.30	7330.67	7667.87	519.84	615.43	695.16	566.99	668.33	659.38	8047.93	8980.40	8477.27	0.75	0.00	0.74	0.00
ILMN_1230790	Patl1	NM_172635.2	1029.00	887.14	1179.49	1089.15	933.84	970.02	1518.00	1711.94	1934.42	1019.94	974.72	996.94	1108.09	1058.35	862.84	1905.14	1785.03	1702.95	0.74	0.01	0.88	0.00
ILMN_2705689	Gga2	NM_028758.2	1480.62	1426.60	1578.14	1421.15	1385.47	1550.50	2708.09	2839.10	3301.46	1551.29	1441.14	1534.64	1874.40	1567.78	1453.65	2847.54	2876.42	2533.64	0.56	0.00	0.40	0.00
ILMN_2429092	Ybx1	NM_011732.2	206.86	222.99	231.23	245.45	229.65	173.14	299.98	437.31	344.80	199.28	203.44	207.26	192.00	190.81	185.44	290.28	363.86	304.59	0.86	0.03	0.01	0.01
ILMN_1248415	Tgoln1	NM_009443.3	331.22	319.89	310.45	346.95	332.59	260.55	504.33	582.17	463.35	297.93	323.08	288.51	304.19	334.43	335.70	624.35	617.95	726.14	0.81	0.01	0.21	0.00
ILMN_1213322	Chd2	NM_001081345.1	430.03	348.00	319.22	414.09	307.03	343.28	654.71	795.25	966.08	365.57	348.94	386.12	387.69	345.46	366.64	686.16	711.34	559.02	0.82	0.01	0.99	0.00
ILMN_3114124	Hsd3b7	NM_133943.2	275.74	283.34	309.53	267.27	237.51	347.20	531.11	463.60	627.53	249.35	296.92	302.65	317.31	351.25	302.21	727.75	590.51	611.52	0.88	0.01	0.14	0.00
ILMN_1259162	Traf6	NM_009424.2	146.06	136.17	131.99	158.32	117.88	128.15	248.70	245.96	319.35	121.16	117.83	136.33	143.80	109.65	117.39	294.10	253.83	223.13	0.81	0.01	0.91	0.00
ILMN_1222123	Camk2d	NM_001025438.1	212.54	211.70	220.99	219.61	180.40	228.44	518.49	540.08	498.45	241.63	229.41	217.78	218.37	234.64	198.07	581.95	658.79	483.14	0.73	0.00	0.38	0.00
ILMN_2718284	Mfsd1	NM_025813.3	3522.07	3522.39	3091.15	3768.41	3523.86	2628.32	6675.52	7461.04	5755.17	2629.32	3191.49	3338.96	3133.59	3285.55	3391.64	6832.71	6540.14	8194.42	0.86	0.00	0.40	0.00
ILMN_2718550	BC027231	NM_145972.3	261.50	249.29	193.56	244.12	247.43	190.07	455.58	477.31	454.11	174.49	202.74	224.65	187.05	202.88	220.51	442.25	518.67	403.67	0.80	0.00	0.88	0.00
ILMN_3161554	Vps11	NM_027889.1	696.08	754.15	731.56	684.26	734.53	694.85	1345.92	1325.35	1541.93	714.40	847.01	865.18	725.74	805.87	859.79	1316.69	1510.87	1431.09	0.38	0.00	0.86	0.00

ILMN_2907540	Lmcd1	NM_144799.1	161.40	171.05	132.71	147.76	165.63	135.90	260.85	305.49	288.06	107.60	127.37	130.82	111.22	122.08	122.91	351.39	344.01	273.87	0.73	0.00	0.72	0.00
ILMN_2790246	Herpud1	NM_022331.1	2911.09	2761.20	2671.85	2753.52	2646.26	2671.52	18300.20	18930.96	17439.26	2794.21	2516.55	2707.55	2777.86	2685.74	2768.40	19751.40	17601.14	16710.64	0.30	0.00	0.46	0.00
ILMN_1251301	Klc4	NM_029091.2	225.10	233.02	244.98	217.61	220.54	242.65	383.58	369.98	451.95	232.10	242.25	297.47	289.08	271.58	277.42	414.00	431.23	431.55	0.49	0.00	0.35	0.00
ILMN_1218118	Tia1	AK009502	150.99	187.78	185.64	185.65	179.83	142.48	284.62	288.79	239.20	204.58	182.24	175.47	173.64	182.52	196.68	254.61	286.85	308.11	0.78	0.01	0.79	0.01
ILMN_1248202	Arhgef2	NM_008487	66.16	64.33	46.21	65.42	66.14	41.03	112.95	129.54	113.54	57.09	64.57	69.60	52.21	58.50	62.91	120.43	131.08	116.15	0.90	0.00	0.29	0.00
ILMN_1227163	Nars	NM_027350.2	1255.86	1142.94	1284.62	1135.16	1207.70	1211.47	1979.41	2240.34	1896.32	1224.11	1400.91	1444.76	1074.34	1320.50	1387.04	2176.90	2414.06	2533.61	0.44	0.00	0.46	0.00
ILMN_3006123	Asns	NM_012055.1	1794.21	1696.39	1644.11	1681.31	1764.45	1517.36	3352.39	3498.53	2907.91	1875.14	1955.11	2203.01	1906.26	1959.37	2159.68	3850.89	3734.59	3704.04	0.54	0.00	0.98	0.00
ILMN_3096750	Seh1l	NM_001039088.1	399.59	345.56	270.69	338.97	369.35	268.42	715.72	753.12	474.23	259.52	315.14	347.95	293.49	312.95	301.79	656.28	700.63	714.60	0.80	0.03	0.86	0.00
ILMN_1219213	1810058M03Rik	AK007898	279.17	251.81	264.52	269.67	244.29	253.50	470.86	567.63	560.24	254.14	239.11	264.25	285.92	245.97	268.06	534.12	468.03	478.43	0.44	0.00	0.36	0.00
ILMN_2620799	A930010I20Rik	NM_177857	257.39	270.69	236.83	238.90	260.39	238.10	464.57	375.64	461.19	227.49	243.04	233.38	213.76	221.39	205.10	444.69	379.14	425.59	0.50	0.00	0.03	0.00
ILMN_2580895	C130078B07Rik	AK081796	20.00	20.00	22.29	20.00	20.00	20.00	70.94	76.41	94.13	20.00	20.00	20.00	20.00	20.00	20.00	98.36	67.22	69.78	0.37	0.00	1.00	0.00
ILMN_2742042	Nupr1	NM_019738.1	1010.50	970.18	1215.00	968.45	975.80	1130.37	2267.83	2282.66	2520.17	1537.02	1492.19	1699.58	1198.58	1270.60	1324.60	2880.35	3458.69	3121.26	0.68	0.00	0.01	0.00
ILMN_2727273	Swap70	NM_009302.2	99.45	81.38	109.92	80.50	99.42	99.52	189.23	248.84	202.86	90.04	125.24	109.85	84.48	110.43	102.94	280.68	272.68	269.61	0.74	0.00	0.52	0.00
ILMN_1239592	1700012H17Rik	NM_173426.2	134.21	125.79	166.63	114.34	128.78	170.97	267.19	382.37	548.67	169.10	128.16	156.42	127.36	125.28	113.17	370.16	347.73	338.75	0.85	0.04	0.09	0.00
ILMN_2513173	2810026P18Rik		1640.41	1503.25	1490.13	1754.15	1522.10	1231.12	2870.97	2873.98	2646.64	1412.69	1243.32	1337.61	1438.33	1427.83	1198.32	3052.44	2702.80	2712.38	0.80	0.00	0.81	0.00
ILMN_2687799	D0HXS9928E	NM_138607.2	1312.42	1276.94	981.11	1460.04	1269.10	793.17	2109.62	2599.01	1570.04	852.71	1016.32	1308.30	922.68	1210.53	1216.88	1810.48	2094.69	2314.75	0.95	0.05	0.74	0.01
ILMN_1236539	Pfkl	NM_008826.3	2605.42	2526.49	2723.91	2584.57	2323.07	2668.74	7149.15	7557.08	7988.50	2897.65	2777.85	2710.58	2494.97	2526.48	2247.95	6765.62	7072.00	6505.18	0.48	0.00	0.02	0.00
ILMN_2757368	Creld2	NM_029720.2	1348.37	1371.63	1235.88	1351.82	1241.43	1215.88	2812.68	2876.10	2617.59	1374.81	1409.40	1496.02	1074.09	1430.52	1403.90	2896.53	3360.50	3267.52	0.45	0.00	0.36	0.00
ILMN_1250008	Chk	AK014174	65.61	65.44	80.01	76.14	59.53	67.65	99.80	106.61	115.95	87.12	86.83	76.44	85.01	114.86	95.90	161.08	160.70	155.60	0.72	0.01	0.18	0.00
ILMN_1234565	P4ha1	NM_011030.1	151.94	134.16	131.92	149.99	129.64	123.40	378.85	354.98	330.25	91.93	128.44	128.70	85.07	114.87	117.62	308.45	355.17	348.63	0.65	0.00	0.55	0.00
ILMN_2658554	Gys1	NM_030678.3	20.00	24.86	36.38	23.44	27.11	25.37	97.77	91.38	142.88	22.63	26.04	29.93	38.41	26.18	31.42	95.63	111.37	71.76	0.74	0.01	0.23	0.00
ILMN_1247343	Lmcd1	NM_144799.1	63.86	76.83	88.38	64.95	88.03	67.57	160.41	103.27	177.62	69.49	56.21	52.90	52.90	63.14	57.49	160.16	165.99	150.92	0.79	0.04	0.79	0.00
ILMN_2932474	Tctn3	NM_026260.2	126.37	110.72	133.99	110.37	119.09	126.92	199.07	211.39	220.43	113.18	112.11	149.15	146.11	116.64	146.81	207.28	192.41	202.79	0.59	0.00	0.50	0.00
ILMN_2725286	Atp6ap2	NM_027439.3	808.79	867.94	1013.84	860.02	925.65	794.63	1459.73	1408.18	1552.60	854.63	966.13	998.67	788.66	912.75	958.61	1681.45	1801.07	1997.91	0.64	0.00	0.47	0.00
ILMN_1220073	A430106D13Rik	AK040551	329.26	263.19	284.86	359.58	262.76	231.98	501.78	626.40	503.82	296.55	255.29	309.84	267.68	321.69	255.92	470.66	424.46	598.93	0.87	0.01	0.84	0.02
ILMN_2686697	D6Wsu116e	NM_026585.2	20.00	20.00	22.56	20.00	20.00	20.00	31.97	28.98	42.53	20.00	21.78	20.00	20.00	20.00	20.00	42.25	59.45	52.28	0.37	0.03	0.37	0.00
ILMN_1214953	Rusc2	NM_199057.2	688.42	634.47	585.79	664.04	595.84	572.95	1416.73	1627.93	1421.65	613.23	684.63	592.12	739.32	666.32	718.13	1464.04	1610.20	1561.55	0.56	0.00	0.09	0.00
ILMN_2643534	Angptl6	NM_145154	29.53	33.87	38.49	27.23	30.82	40.62	121.62	104.42	80.24	26.95	30.42	34.70	35.87	22.84	24.97	92.07	143.20	105.43	0.83	0.01	0.58	0.01
ILMN_2793281	0610031J06Rik	NM_020003.1	1144.08	1088.84	1230.63	1100.51	1140.18	1080.63	1665.71	1674.39	1857.33	1131.67	1273.16	1353.35	1157.91	1248.30	1320.11	1969.04	2075.07	2037.42	0.35	0.00	0.90	0.00
ILMN_2647346	Gga2	NM_028758.2	96.30	106.64	148.68	95.44	101.68	139.04	194.65	208.50	305.05	139.82	149.02	139.75	122.51	124.57	138.97	312.58	308.78	296.33	0.82	0.04	0.08	0.00
ILMN_1237084	Pvt1	NR_003368.1	245.42	287.48	227.78	306.27	293.25	158.06	638.57	599.38	433.47	221.80	251.03	254.47	256.06	333.99	325.75	508.66	628.87	624.62	0.98	0.01	0.08	0.00
ILMN_1258687	Zfp292	XM_909747.3	968.01	872.93	968.74	929.46	890.86	872.47	1900.08	1903.50	1932.81	931.20	880.69	823.53	900.94	852.34	821.83	1838.66	1795.06	1922.15	0.34	0.00	0.63	0.00
ILMN_3160672	D030074E01Rik	NM_029491.2	98.34	70.21	72.78	81.87	68.68	78.79	127.00	141.49	188.21	105.17	83.09	72.61	95.62	65.27	63.63	187.34	165.08	148.47	0.71	0.02	0.44	0.01
ILMN_2703242	BC031575	NM_153549.2	77.59	63.12	83.01	65.12	88.78	61.96	125.05	119.71	170.44	100.37	92.41	93.16	85.26	96.13	96.91	129.28	170.89	151.19	0.81	0.02	0.60	0.01
ILMN_1229936	Flcn	NM_146018.1	62.84	106.12	139.31	80.65	100.75	100.71	308.40	327.71	345.34	101.22	127.89	139.99	113.87	114.26	123.54	334.89	357.89	347.98	0.73	0.00	0.65	0.00
ILMN_1244737	Rlf	NM_001081013.1	380.58	308.42	271.81	325.79	336.67	255.99	723.45	701.93	537.65	242.88	313.96	343.26	221.48	300.26	303.61	578.89	688.44	664.46	0.75	0.01	0.57	0.00
ILMN_1242777	Ccdc111	NM_001001184.1	113.19	116.77	175.83	113.60	113.75	158.12	239.47	193.48	310.70	163.41	122.28	132.36	135.52	125.27	130.04	233.47	209.39	187.11	0.80	0.05	0.52	0.02
ILMN_2451022	Vim	NM_011701.3	5085.70	5094.75	5316.96	5355.30	5241.52	4311.42	9327.40	8120.77	7878.54	5557.73	7211.09	7521.65	4723.98	6579.68	6050.68	11331.70	11595.55	13389.20	0.59	0.00	0.30	0.00
ILMN_2509928	Unk	NM_172569.3	497.91	439.85	379.60	488.70	471.09	317.18	729.12	858.08	625.00	324.47	401.50	451.92	335.16	412.06	444.67	538.81	628.07	620.35	0.84	0.02	0.93	0.01
ILMN_1228944	Ccnc	AK013273	118.88	132.95	74.12	104.83	100.41	97.69	176.11	162.41	152.91	82.23	94.72	94.24	84.11	92.37	83.50	144.87	149.84	150.30	0.69	0.04	0.50	0.00
ILMN_2984999	Zfp787	NM_001013012.1	97.75	111.85	109.04	86.21	131.05	92.61	143.43	184.13	154.04	69.16	100.64	100.52	111.42	125.93	89.87	167.46	187.19	158.83	0.85	0.01	0.27	0.00
ILMN_2613636	Col4a3bp	NM_023420.1	135.26	134.15	153.25	122.09	111.59	179.04	232.90	214.61	269.15	192.69	164.68	153.55	158.48	144.85	135.66	308.92	276.32	225.51	0.89	0.00	0.15	0.02
ILMN_1238713	1110001N06Rik	AK003256	729.13	684.44	741.21	695.91	706.38	659.47	1418.91	1430.16	1426.73	755.17	630.42	638.83	698.56	648.44	641.22	1403.47	1311.44	1350.57	0.24	0.00	0.80	0.00
ILMN_2725548	Pqlc2	NM_145384.1	190.24	198.64	152.28	205.66	169.54	144.41	375.48	416.67	336.28	119.94	151.63	182.33	178.17	169.43	193.92	403.64	378.76	403.67	0.77	0.00	0.21	0.00
ILMN_1238603	Pcolce2	NM_029620.2	2976.49	3119.79	2052.28	2967.50	3005.85	1861.53	4850.44	5732.06	3892.83	2013.27	2106.84	2784.01	2192.88	2169.38	2900.55	4627.14	4100.64	5007.57	0.85	0.03	0.74	0.00
ILMN_1252587	Zfp75	NM_172918.3	121.11	102.95	99.43	118.24	109.14	83.59	163.86	189.52	152.20	102.43	104.13	135.32	80.05	100.07	106.46	178.08	179.83	186.21	0.75	0.01	0.24	0.00
ILMN_1214672	2310079F23Rik	AK053800	116.65	104.60	140.41	100.55	111.07	133.45	166.96	191.45	201.31	120.86	121.77	127.84	139.77	132.80	150.50	211.19	200.00	182.33	0.72	0.01	0.04	0.00
ILMN_1243330	BC059177	NM_198248	28.89	24.44	34.58	28.44	20.00	37.29	50.94	36.05	51.73	20.87	25.29	37.17	32.92	30.90	32.96	53.16	48.22	53.04	0.91	0.05	0.41	0.01
ILMN_2644375	Hyal1	NM_008317.4	110.70	127.17	137.26	105.85	121.75	130.16	448.98	395.33	625.11	117.48	124.38	134.69	102.72	135.21	145.85	527.86	538.07	459.19	0.61	0.01	0.87	0.00
ILMN_2481799	Zfp75	NM_172918.3	200.39	190.50	162.98	162.92	164.30	201.43	280.62	293.84	322.12	202.09	155.95	175.64	167.28	176.54	179.42	311.53	287.89	326.72	0.64	0.00	0.81	0.00
ILMN_2511275	scl0002064.1_2	BC069909.1	278.21	235.02	284.22	249.55	254.22	253.55	453.31	443.76	469.62	231.33	245.37	257.49	249.94	302.69	272.59	542.77	565.88	497.05	0.44	0.00	0.15	0.00
ILMN_3154129	Sbno1	NM_001081203.1	135.59	145.30	192.36	130.31	146.69	171.52	212.56	232.55	273.84	200.48	181.35	162.22	166.19	179.64	162.59	257.47	298.28	279.52	0.72	0.03	0.39	0.00
ILMN_2702374	Ppm1e	NM_177167.4	113.43	89.04	83.89	69.76	104.95	99.93	187.08	187.16	208.35	108.28	110.55	110.49	97.53	96.33	125.13	221.34	177.62	178.92	0.80	0.00	0.73	0.00
ILMN_1230031	9430049I24Rik	AK034860	122.24	108.42	88.58	100.67	101.08	99.57	186.29	173.90	238.63	108.08	135.85	128.77	132.49	133.31	96.04	238.84	242.46	230.05	0.57	0.01	0.82	0.00
ILMN_1213483	Flcn	NM_146018.1	1727.80	1756.71	1608.95	1725.42	1797.65	1356.35	4806.24	5060.83	4529.29	1516.45	1752.38	1725.13	1539.84	1857.90	1530.21	4053.99	4559.12	4200.08	0.65	0.00	0.87	0.00
ILMN_2708415	Nat6	NM_019750.3	20.00	20.00	36.63	20.00	20.46	30.82	65.21	67.98	86.06	25.25	33.66	36.97	20.00	29.54	32.45	53.39	73.32	62.84	0.80	0.01	0.42	0.01
ILMN_2458130	2810455B08Rik		94.44	87.71	75.67	77.30	83.17	83.90	109.63	129.84	162.22	87.29	65.96	74.17	97.43	72.14	89.96	124.63	103.38	116.79	0.49	0.04	0.33	0.01
ILMN_1247053	Ankrd13b	NM_172945.2	82.83	108.21	117.37	86.74	90.46	115.25	174.70	175.59	252.83	105.34	98.83	126.22	108.96	105.15	111.84	233.02	199.57	226.95	0.72	0.02	0.87	0.00
ILMN_2773624	Hexa	NM_010421.4	668.09	711.81	773.83	651.73	733.27	661.71	1207.93	1311.79	1352.26	640.68	768.40	793.72	707.28	786.94	819.95	1280.14	1496.49	1437.30	0.42	0.00	0.56	0.00
ILMN_1247561	Pdhb	AK084507	251.37	268.37	237.69	296.30	238.48	194.92	546.79	657.12	531.11	241.82	210.26	228.73	251.99	239.23	213.54	556.58	525.38	485.88	0.78	0.00	0.61	0.00
ILMN_3161878	Bid	NM_007544.3	712.98	702.63	724.78	644.18	694.90	696.36	953.29	1306.65	1225.16	688.43	896.17	967.62	687.37	782.67	797.62	1132.54	1401.19	1459.06	0.13	0.01	0.35	0.02
ILMN_2776242	Ang2	NM_007449.2	20.00	20.00	23.32	20.00	20.00	20.00	28.13	41.39	32.92	30.29	20.77	20.00	20.00	20.00	20.00	36.86	43.94	42.04	0.37	0.03	0.33	0.01
ILMN_1260219	Adipor2	NM_197985.2	1592.94	1566.11	1463.17	1549.21	1560.16	1294.89	2763.73	2390.52	2032.08	1302.93	1466.45	1434.88	1515.31	1487.15	1386.36	1967.00	2107.26	2513.58	0.49	0.02	0.39	0.01
ILMN_1257987	Slc7a3	NM_007515.2	88.42	91.73	92.56	81.88	90.00	87.32	208.36	234.25	192.97	88.64	79.28	73.66	99.70	81.42	109.78	211.75	150.00	178.82	0.17	0.00	0.15	0.01
ILMN_1246733	Gm22	XM_001001798.2	889.19	791.42	860.90	841.78	758.23	811.76	1544.30	1457.85	1708.63	895.36	864.36	779.46	806.34	745.16	803.91	1820.98	1808.43	1683.57	0.32	0.00	0.20	0.00
ILMN_3107114	Stx3	NM_011502.2	38.93	58.98	60.20	55.89	45.04	46.82	151.16	160.45	129.27	31.86	45.35	37.02	43.40	55.31	56.52	133.72	201.30	185.01	0.68	0.00	0.08	0.00
ILMN_1221943	Sdf2l1	NM_022324.2	222.82	167.23	231.25	175.98	165.74	251.90	533.28	447.01	669.95	238.58	201.63	217.38	237.47	216.94	226.05	766.54	804.46	628.51	0.80	0.01	0.57	0.00
ILMN_1218839	D130071O13Rik	AK051750	64.60	57.78	55.69	64.51	67.70	40.58	115.13	75.45	113.51	75.36	75.32	71.72	71.88	67.74	50.72	154.75	139.84	109.17	0.85	0.03	0.18	0.01
ILMN_1259814	1110020G09Rik	AK003858	33.53	21.96	23.05	32.15	22.48	20.00	61.68	59.59	54.85	26.32	31.32	28.86	20.00	31.32	34.17	57.31	56.08	61.15	0.82	0.00	0.94	0.00
ILMN_2705991	Tpp1	NM_009906.4	520.21	566.19	456.94	547.38	508.53	411.55	940.11	1027.24	1005.37	465.46	435.39	482.92	466.31	522.02	556.18	756.70	926.92	827.90	0.65	0.00	0.14	0.00
ILMN_1224942	Shmt2	NM_028230.3	680.85	671.46	741.15	646.99	615.23	724.31	1179.31	1197.56	1503.65	838.12	729.54	797.62	813.07	710.93	770.06	1454.60	1459.01	1459.44	0.41	0.01	0.61	0.00
ILMN_2894961	Fgd6	NM_053072.2	148.40	160.02	145.20	145.65	152.14	131.88	324.25	319.40	346.01	134.04	167.14	159.61	159.40	153.71	142.34	304.06	351.49	341.71	0.35	0.00	0.88	0.00
ILMN_2766755	1700012H17Rik	NM_173426	183.80	207.20	218.22	202.92	163.09	212.73	340.25	544.39	567.81	187.15	169.87	185.10	189.06	158.95	138.48	439.92	435.73	382.15	0.61	0.02	0.30	0.00
ILMN_1237948	Tes	NM_011570.3	595.34	627.39	605.84	591.02	591.40	548.44	1110.22	1246.16	1107.22	678.64	705.43	608.22	556.24	583.58	555.37	1414.65	1334.48	1365.34	0.13	0.00	0.03	0.00
ILMN_2719163	Lonp1	NM_028782.2	893.77	918.67	1092.97	911.08	767.20	1087.44	1482.71	1452.49	2202.32	880.24	879.26	1022.18	919.13	911.00	1027.98	1748.20	1784.03	1639.86	0.70	0.04	0.70	0.00
ILMN_2769772	Pik3ip1	NM_178149.4	71.53	52.54	104.03	60.34	50.79	107.98	248.30	219.21	363.87	106.08	88.17	66.10	121.12	87.11	73.56	238.54	219.61	194.26	0.90	0.01	0.72	0.00
ILMN_1242659	2900058M19Rik	AK013726	46.42	44.06	40.56	61.29	52.19	21.93	82.31	110.47	78.39	28.82	32.56	40.37	39.37	31.81	32.41	62.61	59.24	89.29	0.91	0.01	0.89	0.02
ILMN_2589999	Arl10c	NM_026011	993.00	855.50	835.63	972.66	882.90	698.06	1513.26	1433.00	1400.34	688.21	784.95	800.38	692.84	806.34	843.34	1440.68	1422.34	1539.58	0.67	0.00	0.71	0.00
ILMN_2710705	Sqstm1	NM_011018.2	5368.43	5104.54	5987.94	4939.43	4996.62	5600.79	16432.11	18525.03	20626.15	6016.20	5348.43	6076.79	6584.54	6189.03	6088.95	21462.17	19139.21	17431.46	0.41	0.00	0.16	0.00
ILMN_2639291	Cln5	XM_127882.3	2494.20	2268.45	1972.82	2194.01	2285.26	1875.31	4021.17	4725.21	3920.84	2068.21	2261.45	2202.46	2244.39	2459.43	2429.21	4471.80	4342.44	3777.97	0.55	0.00	0.09	0.00
ILMN_2861176	Calr	NM_007591.3	1172.20	1172.66	1791.87	1107.33	1145.28	1635.24	2176.63	2152.39	3181.71	1561.81	1471.84	1548.98	1522.23	1511.18	1508.19	2646.59	3144.77	2916.36	0.77	0.05	0.66	0.00
ILMN_2615134	Otud3	XM_001477728.1	285.27	249.21	326.63	268.54	243.14	297.74	484.47	470.87	452.41	312.80	323.99	276.77	285.53	304.28	281.86	651.76	578.19	598.01	0.56	0.00	0.43	0.00
ILMN_1251809	Vps26a	NM_133672.2	239.62	253.67	159.87	221.51	231.74	157.96	550.46	711.15	407.53	165.82	191.13	185.58	141.13	184.08	188.20	524.91	551.87	644.54	0.73	0.02	0.60	0.00
ILMN_2673233	Pfkp	NM_019703.3	208.63	160.34	145.93	148.11	172.48	159.27	392.61	481.83	305.71	149.08	154.15	159.70	141.81	148.57	150.49	425.27	375.85	353.19	0.59	0.02	0.14	0.00
ILMN_2694857	Gpatch3	NM_172876.2	55.76	47.12	32.03	37.51	44.70	41.81	72.20	82.40	79.83	44.21	62.57	69.18	59.50	57.92	54.52	87.36	129.60	97.76	0.64	0.01	0.87	0.03
ILMN_2774349	LOC100046401	XR_032583.1	860.32	790.89	702.73	852.81	811.71	575.49	1567.39	1542.75	1086.81	505.02	825.02	650.09	576.39	768.90	740.38	1491.03	1512.09	1786.17	0.72	0.02	0.77	0.00
ILMN_3143557	Adi1	NM_134052.2	2010.96	2185.94	2197.67	1974.05	2154.54	1892.00	3971.92	4622.53	4463.70	2064.79	2233.25	2138.36	2410.64	2201.14	2283.60	4766.70	4224.16	4721.16	0.27	0.00	0.12	0.00
ILMN_2782446	Arhgef2	NM_008487.2	206.97	207.42	263.72	216.26	202.81	214.99	393.10	386.66	614.72	311.68	281.70	276.12	328.85	247.53	283.98	559.04	463.91	440.74	0.49	0.04	0.91	0.01
ILMN_2557957	4732435K05Rik	AK028687	188.85	201.43	191.15	208.99	162.16	178.56	506.31	545.28	596.77	202.91	165.20	188.65	196.80	180.16	185.39	502.48	471.00	372.88	0.50	0.00	0.88	0.00
ILMN_2627072	Ccrk	NM_053180.2	178.05	165.67	186.91	146.54	181.53	172.46	359.67	442.11	671.74	158.77	133.10	142.06	238.69	181.96	190.36	485.44	428.80	438.79	0.46	0.03	0.04	0.00
ILMN_1228778	6030495B01Rik	AK031708	61.87	81.22	56.02	47.42	72.66	67.83	148.47	120.81	110.68	81.63	69.33	73.92	90.71	90.40	104.37	164.49	134.45	132.17	0.75	0.01	0.03	0.00
ILMN_2536676	LOC383981	XM_357361.1	10417.77	10727.77	15329.08	10310.57	10747.13	12829.98	18175.86	18757.16	27121.32	16813.72	17179.20	17472.45	16668.85	16575.07	16290.39	32927.75	28575.63	29674.49	0.65	0.05	0.04	0.00
ILMN_2679908	4932425I24Rik	NM_001081025.1	20.66	20.00	23.34	20.00	20.00	20.00	42.13	50.70	58.70	20.00	24.05	37.04	21.77	21.55	23.06	84.92	76.13	69.83	0.26	0.00	0.40	0.00
ILMN_2735350	Gdf15	NM_011819.1	525.55	522.86	639.10	513.87	484.87	583.60	1785.71	1727.32	2190.63	618.09	650.06	718.05	642.80	616.87	700.88	1722.13	1696.02	1497.82	0.51	0.00	0.84	0.00
ILMN_2616226	Dbp	NM_016974.1	330.33	304.34	279.34	311.51	263.17	283.45	552.16	616.50	657.97	290.76	276.66	242.85	246.03	251.25	222.08	482.40	597.54	507.08	0.41	0.00	0.15	0.00
ILMN_3162133	1190002N15Rik	NM_001033145.2	100.77	116.80	116.80	85.38	111.11	119.86	198.11	211.32	266.94	113.66	86.99	90.12	90.47	91.79	83.27	198.76	195.79	166.65	0.63	0.01	0.39	0.00
ILMN_1240630	Polk	NM_012048.2	427.88	418.21	377.80	474.35	407.55	289.16	728.99	714.44	701.03	257.38	362.17	391.82	383.67	391.81	390.39	603.46	601.43	581.62	0.77	0.00	0.28	0.00
ILMN_1233894	Dtnb	AK083752	80.13	64.60	98.01	61.72	83.40	81.48	165.70	211.41	240.83	79.00	69.26	89.31	82.27	103.62	80.13	239.56	191.52	161.70	0.67	0.01	0.37	0.01
ILMN_1250612	Tbc1d2	NM_198664.3	28.42	31.04	37.22	37.51	25.79	28.05	55.37	64.38	71.76	35.49	53.20	31.77	52.38	52.74	44.51	103.86	114.10	92.87	0.71	0.00	0.24	0.00
ILMN_1243340	Dvl2	NM_007888.3	23.92	36.18	24.28	20.62	27.21	30.95	62.04	97.78	78.56	50.00	36.17	27.32	49.41	33.42	44.03	77.53	78.18	87.89	0.73	0.01	0.61	0.00
ILMN_2713396	BC067068	NM_207522.1	363.22	347.08	315.48	356.21	324.97	283.89	822.60	831.75	717.74	356.52	274.26	326.52	359.90	269.88	301.73	792.38	653.15	764.40	0.47	0.00	0.82	0.00
ILMN_2419275	Zfp28	NM_175247.3	218.02	209.05	290.08	217.16	203.77	246.76	451.39	514.70	578.45	276.57	246.14	243.72	296.81	287.99	265.77	646.51	610.99	479.66	0.60	0.00	0.12	0.00
ILMN_1235502	LOC624198	XR_032846.1	316.13	315.98	348.87	277.02	306.53	338.84	539.37	519.04	434.53	328.65	425.23	352.17	275.23	402.07	329.20	616.54	620.51	600.19	0.40	0.01	0.52	0.00
ILMN_1217913	D230007K08Rik	XM_980391.1	30.50	54.80	53.86	39.65	39.69	47.22	88.68	112.26	143.88	52.06	34.79	44.38	49.79	20.82	32.21	121.50	134.34	124.89	0.64	0.02	0.39	0.00
ILMN_2874491	Tnip2	NM_139064.1	77.42	82.59	97.18	79.21	93.89	68.88	166.56	132.54	160.21	86.72	96.42	103.36	76.26	104.18	91.10	133.14	192.89	140.96	0.62	0.00	0.62	0.04
ILMN_1217577	Sfrs12	NM_172592.2	119.20	121.70	127.68	114.79	114.72	115.83	266.03	241.32	211.22	94.61	117.06	109.96	89.39	122.46	151.03	215.87	159.78	178.24	0.04	0.00	0.51	0.01
ILMN_2903972	Pdgfrb	NM_008809.1	192.81	187.03	184.34	183.10	210.42	141.91	405.17	460.84	312.36	182.18	190.14	158.18	141.64	159.06	148.04	289.22	279.53	276.95	0.66	0.01	0.07	0.00
ILMN_1213290	Hdac5	NM_001077696.1	78.69	52.53	89.00	62.52	46.68	103.21	127.18	107.63	156.83	70.16	68.35	81.61	68.36	57.86	71.19	169.90	142.55	127.64	0.90	0.03	0.26	0.00
ILMN_2659160	Hdac5	NM_001077696.1	292.97	393.36	376.63	273.55	330.04	393.46	634.03	653.09	825.55	302.32	361.32	369.19	370.31	336.48	383.61	765.62	729.24	728.63	0.66	0.01	0.49	0.00
ILMN_2681776	Mapk6	NM_027418.1	838.13	806.10	854.39	827.55	845.93	673.57	1168.82	1254.07	1381.12	792.65	789.44	796.37	868.88	739.71	757.05	1347.65	1343.83	1241.52	0.42	0.00	0.92	0.00
ILMN_2692845	Gpi1	NM_008155.2	2489.30	2460.08	1951.65	2503.21	2613.03	1491.52	4284.68	4092.51	3009.43	1946.57	2474.98	2704.91	2052.27	2410.99	2545.67	3595.38	3855.72	3887.15	0.82	0.03	0.89	0.00
ILMN_2637811	Gtf2h1	NM_008186.3	2337.10	1990.55	2902.25	1998.39	2193.25	2506.88	4072.60	3886.00	4630.12	2968.74	2678.29	2258.19	2953.04	2751.85	2568.68	5212.60	5389.92	4938.28	0.59	0.01	0.63	0.00
ILMN_2546676	2610103J23Rik	AK011808	25.91	20.00	20.00	20.00	21.03	20.00	28.83	40.56	37.54	24.64	20.88	20.00	26.48	25.48	20.00	38.15	35.61	27.36	0.46	0.03	0.43	0.03
ILMN_2788073	Hmox1	NM_010442.1	376.54	357.27	345.12	359.47	375.90	278.35	1630.51	2350.62	1509.50	336.28	480.69	483.44	406.55	511.41	560.67	2519.43	3308.41	3450.97	0.53	0.00	0.42	0.00
ILMN_2486573	Vegfc	NM_009506.2	375.30	369.88	396.62	365.80	352.66	345.41	603.62	747.97	919.39	316.27	296.38	329.56	314.26	279.76	305.94	705.78	666.88	614.89	0.06	0.01	0.38	0.00
ILMN_1222084	Rem2	NM_080726.3	20.00	20.00	24.75	20.00	20.00	20.00	40.45	52.35	35.31	20.00	20.00	20.00	34.10	22.29	32.43	53.42	50.22	37.50	0.37	0.02	0.06	0.01
ILMN_2507227	Zc3h3	NM_172121.1	116.35	102.43	129.57	110.03	105.90	106.88	180.72	197.71	286.73	94.11	121.64	137.96	175.10	147.11	152.55	276.29	247.04	195.82	0.34	0.04	0.06	0.01
ILMN_3156208	Gpr146	NM_001038703.1	20.00	24.81	20.00	20.00	20.00	20.00	58.91	98.33	72.56	34.64	20.00	20.00	27.92	20.00	20.00	57.45	67.30	67.85	0.37	0.01	0.71	0.00
ILMN_1235962	Hook2	NM_133255.1	90.37	93.48	73.53	96.27	99.13	52.46	150.92	176.61	107.79	74.34	83.71	88.51	66.75	74.99	107.02	140.13	128.31	109.89	0.86	0.05	0.96	0.01
ILMN_1255954	Arhgap12	NM_001039692.1	26.49	20.00	20.00	20.00	21.32	20.00	49.04	49.75	38.56	25.31	20.33	20.58	32.28	20.00	24.57	43.76	53.33	45.91	0.48	0.00	0.42	0.00
ILMN_1244123	Slc38a2	NM_175121.3	3891.67	4015.76	3867.60	3824.46	3741.98	3394.39	5980.76	7159.90	7118.10	3978.89	3716.39	4300.89	4599.04	4417.41	4571.82	7101.93	6999.46	7586.25	0.12	0.00	0.04	0.00
ILMN_1258275	3830421F03Rik	AK014446	20.61	20.00	24.18	20.00	20.00	20.00	32.16	46.16	39.32	20.00	21.85	20.00	20.00	20.00	21.46	57.76	58.37	51.52	0.29	0.01	0.87	0.00
ILMN_2926155	Rbm38	NM_019547.1	95.46	69.54	87.38	55.00	79.88	105.89	145.02	182.53	194.36	88.75	110.36	94.62	128.70	112.44	106.31	220.75	195.77	183.20	0.83	0.01	0.13	0.00
ILMN_1255422	Ccrn4l	NM_009834.1	1163.87	1142.91	874.15	1022.95	1046.85	869.06	2562.31	2531.05	2714.18	870.15	842.82	936.88	1076.06	775.11	932.95	2331.59	2026.54	1995.41	0.50	0.00	0.65	0.00
ILMN_1237548	5830407P18Rik	XM_147876.1	337.37	328.94	208.83	351.14	280.18	188.38	878.55	804.36	617.09	203.85	265.49	293.85	185.76	225.59	245.84	543.59	631.08	701.36	0.78	0.01	0.33	0.00
ILMN_2960114	Cyp27a1	NM_024264.3	129.95	90.55	93.98	101.71	91.00	95.21	209.30	200.94	221.07	62.58	76.97	75.86	88.59	83.40	77.83	178.18	179.49	171.07	0.53	0.00	0.11	0.00
ILMN_1242903	Mpv17	NM_008622.3	1389.37	1472.09	1802.00	1422.02	1284.65	1603.72	2350.34	2168.52	3029.20	1568.31	1588.39	1818.99	1424.09	1737.97	1686.53	2360.14	2478.02	2681.38	0.49	0.03	0.75	0.00
ILMN_1230726	5430406J06Rik		615.33	639.92	786.89	616.74	623.15	640.72	1574.52	1441.32	1809.08	675.62	608.42	667.01	765.25	689.42	728.50	1411.47	1352.27	1711.22	0.38	0.00	0.06	0.00
ILMN_1223299	Pvr	NM_027514.1	53.14	48.95	58.48	41.20	52.19	56.19	165.21	183.77	127.39	46.99	46.60	50.12	52.03	32.97	41.59	168.00	185.94	163.39	0.52	0.00	0.37	0.00
ILMN_1226755	E030007N04Rik	AK086880	350.24	390.68	502.24	373.32	363.15	402.54	634.28	676.60	816.09	381.08	458.11	455.12	453.80	475.23	479.58	804.73	883.37	785.28	0.50	0.01	0.22	0.00
ILMN_2789562	P4ha2	NM_011031.1	994.28	937.40	1057.52	981.98	954.24	835.28	1914.65	2106.82	1930.99	806.70	844.67	841.20	725.92	768.33	817.60	1939.78	2075.68	1892.13	0.27	0.00	0.11	0.00
ILMN_1255006	Rpe	NM_025683.2	525.10	524.86	431.93	466.55	472.37	428.85	1001.00	1000.69	1141.91	394.79	365.92	398.41	381.22	340.89	329.28	891.80	841.38	889.16	0.32	0.00	0.13	0.00
ILMN_1251776	B430114K07Rik	AK046591	21.93	25.03	20.00	20.00	20.00	21.73	48.93	45.44	38.11	20.00	22.56	29.34	20.00	22.07	24.37	44.08	37.28	50.12	0.33	0.00	0.58	0.01
ILMN_2723920	Itpk1	NM_172584.3	348.55	332.71	289.81	363.17	344.50	212.60	717.57	843.33	603.84	255.97	315.22	327.31	282.79	282.18	340.24	874.35	966.12	911.75	0.75	0.01	0.94	0.00
ILMN_1255699	Tbl2	NM_013763	61.36	49.12	67.69	61.79	60.49	43.18	142.78	96.78	91.76	42.91	40.71	46.71	60.44	53.93	47.63	74.17	68.06	79.03	0.63	0.04	0.06	0.00
ILMN_2840091	Ugcg	NM_011673.2	2561.99	2407.68	2750.05	2225.54	2130.17	2825.50	3621.46	4346.62	5215.01	2798.85	2428.34	2497.18	2797.33	2237.66	2623.15	5152.97	4184.24	4339.81	0.49	0.02	0.92	0.00
ILMN_2562146	A730021C13Rik	AK042754	479.52	511.63	389.42	455.92	500.58	329.75	855.84	863.87	701.62	347.31	481.56	447.59	407.14	402.19	480.64	674.99	788.76	788.87	0.64	0.01	0.93	0.00
ILMN_2447362	2610036A22Rik		34.48	21.43	23.89	21.27	32.67	20.00	46.91	51.40	71.73	20.09	26.05	37.52	28.04	45.36	31.75	74.28	71.75	53.87	0.75	0.03	0.38	0.01
ILMN_2878548	Mthfd2	NM_008638.1	478.17	415.44	382.97	405.11	444.70	332.11	842.98	1019.23	636.61	354.91	396.23	461.70	337.92	393.68	441.82	871.97	1001.93	813.06	0.51	0.02	0.78	0.00
ILMN_2956448	Creb3l2	NM_178661.2	282.82	276.32	279.74	288.95	244.68	242.63	554.79	573.32	642.54	288.63	283.44	292.10	241.94	245.05	239.60	552.02	579.27	432.74	0.24	0.00	0.00	0.01

ILMN_2624749	Ankrd10	NM_133971.1	1104.04	1131.57	712.98	1048.96	1062.84	626.31	1719.80	1968.01	1288.42	674.00	660.86	794.69	957.67	791.34	930.08	1462.08	1294.50	1702.36	0.74	0.05	0.05	0.00
ILMN_2679037	LOC100046883	XM_001476984.1	1634.45	1547.68	1767.56	1321.74	1493.21	1771.61	3573.23	3851.67	4083.77	1937.15	2062.22	1897.58	1861.51	1830.77	1884.57	4820.19	4381.29	4773.93	0.45	0.00	0.11	0.00
ILMN_1252173	C330019M07Rik	AK021211	74.17	56.77	106.50	57.84	75.19	80.62	175.73	164.99	228.81	97.64	86.17	83.57	117.55	74.35	69.67	225.67	217.65	202.65	0.65	0.01	0.91	0.00
ILMN_2616956	4933434E20Rik	NM_025762.1	2343.94	2447.92	2145.51	2104.54	2210.44	2063.82	3262.82	3667.89	4318.10	2226.43	1832.63	2148.64	2123.00	2154.27	2343.36	4020.24	3791.78	3225.96	0.13	0.01	0.38	0.00
ILMN_1247348	Ghr	AK053579	45.20	27.20	61.37	35.41	22.52	73.70	110.90	140.68	245.10	20.75	20.00	22.19	26.41	21.88	26.31	98.93	89.11	75.27	0.97	0.04	0.08	0.00
ILMN_2568269	A130099L09Rik	AK038374	65.93	46.01	54.57	49.67	51.90	50.01	110.28	123.08	122.86	42.18	52.89	55.13	63.02	51.82	47.06	103.91	85.61	99.78	0.44	0.00	0.56	0.00
ILMN_1254218	Nisch	AK036043	1000.44	1063.12	1054.96	995.06	961.51	912.40	1623.47	1920.24	1925.17	1016.43	1227.12	1154.95	1121.36	1131.96	1029.84	2032.89	1933.51	1959.18	0.06	0.00	0.61	0.00
ILMN_2657905	Hemt1	NM_010416	42.99	31.66	20.00	25.39	41.62	20.00	89.05	105.38	54.97	20.00	24.31	20.00	20.00	29.11	26.31	89.01	114.87	127.98	0.80	0.03	0.29	0.00
ILMN_3162388	Bbs5	NM_028284.2	535.43	566.11	526.87	512.74	477.91	504.61	800.14	875.43	1040.68	518.50	440.24	563.79	568.22	532.86	527.48	892.55	735.92	865.35	0.05	0.01	0.41	0.01
ILMN_2770414	Rragc	NM_017475.2	4598.97	4338.47	4339.23	4181.34	3954.71	4044.88	8604.87	9299.31	8360.90	4194.58	4365.80	4373.89	4041.59	4374.15	4089.33	9290.48	9251.02	9790.53	0.03	0.00	0.30	0.00
ILMN_1238398	Tex10	NM_172304.3	341.30	373.14	273.04	341.34	323.66	242.73	564.53	583.61	466.24	239.85	322.08	408.91	302.14	301.78	377.08	484.56	525.83	563.99	0.56	0.01	0.95	0.02
ILMN_3118169	Jmjd1a	NM_173001.1	336.72	339.67	271.15	363.07	299.45	219.84	1353.35	1548.50	1028.07	249.89	268.48	265.10	227.48	279.74	228.26	1043.57	1007.64	1053.00	0.67	0.00	0.43	0.00
ILMN_2591345	Csnk1g1	NM_173185.2	20.00	20.00	29.33	20.00	20.00	22.47	45.98	38.86	41.17	29.57	22.27	36.35	44.35	25.63	22.79	49.52	56.07	41.14	0.52	0.01	0.86	0.03
ILMN_2577790	C630030A18Rik	AK083235	36.64	57.05	41.10	66.67	33.53	29.37	91.47	88.12	84.91	44.72	39.89	42.68	43.76	46.68	51.40	100.53	97.57	109.02	0.90	0.00	0.14	0.00
ILMN_1255439	Mtss1	NM_144800.1	60.43	67.99	103.56	79.66	60.20	67.80	193.38	271.55	230.38	69.15	85.87	72.28	73.42	76.01	67.58	162.57	211.88	163.46	0.60	0.00	0.58	0.00
ILMN_2865822	Napa	NM_025898.1	430.12	483.53	518.93	453.44	448.39	405.43	666.35	746.08	771.53	339.07	552.28	553.46	466.07	529.18	556.99	792.49	824.81	795.72	0.24	0.00	0.66	0.01
ILMN_1254564	3830432E14Rik	AK028396	48.50	31.95	29.95	21.23	46.63	35.59	59.29	69.25	72.56	45.36	61.46	57.82	45.72	55.69	37.33	101.72	95.22	91.47	0.82	0.01	0.30	0.00
ILMN_2707137	Phf17	NM_172303.3	2910.36	2658.36	2246.07	2623.68	2631.05	1905.65	4359.78	4971.09	3423.97	2069.23	2215.69	2276.63	1945.72	1839.73	1773.62	3622.43	3930.76	3676.06	0.52	0.03	0.01	0.00
ILMN_2504433	Hsp90b1	NM_011631.1	13611.58	14030.07	9706.35	13489.35	13820.82	7526.01	26167.04	29755.65	18510.51	8957.81	10118.58	12645.81	10603.17	10845.85	11159.20	21890.98	21872.07	24302.44	0.75	0.03	0.80	0.00
ILMN_2430422	Gpi1	XM_001004276.1	95.02	78.85	45.58	75.41	74.03	46.27	144.27	156.87	121.49	61.08	60.47	60.34	76.69	70.05	75.16	134.01	112.14	126.16	0.67	0.02	0.00	0.00
ILMN_1234533	Slc22a21	NM_019723.2	76.16	96.32	87.36	79.46	77.36	78.74	123.04	171.91	132.84	57.74	83.84	95.22	62.88	93.00	97.10	111.16	120.76	126.63	0.24	0.03	0.74	0.03
ILMN_2886618	Nbl1	NM_008675.1	1160.46	1179.01	1090.55	1121.97	1158.07	865.27	2075.42	2620.79	2063.73	818.73	1116.85	1065.64	911.05	987.79	993.55	2141.35	2130.83	2174.31	0.38	0.00	0.72	0.00
ILMN_3099242	Chka	NM_001025566.1	69.72	103.43	66.34	75.32	88.16	54.23	157.52	163.04	114.73	68.61	102.11	94.46	98.13	112.85	107.81	133.33	159.48	207.82	0.66	0.03	0.18	0.03
ILMN_2511089	Ugcg	NM_011673	2485.01	2522.47	2241.69	2347.22	2380.19	1884.56	3701.69	4131.02	4639.14	2315.56	2148.50	2219.61	2364.95	2035.63	2221.28	3903.99	4028.06	3856.25	0.31	0.00	0.86	0.00
ILMN_3095624	Jmjd3	NM_001017426.1	106.19	84.39	89.99	103.99	98.96	57.98	162.73	209.52	170.69	72.78	97.38	100.04	85.50	98.92	77.96	169.09	193.93	231.00	0.70	0.01	0.82	0.01
ILMN_2988191	Arl5b	NM_029466.2	104.21	75.44	63.38	90.88	94.32	42.79	125.83	149.09	118.96	54.37	77.11	70.98	71.18	72.77	99.20	146.37	142.90	184.22	0.82	0.03	0.30	0.00
ILMN_2693850	Rad52	NM_011236.1	493.33	468.47	422.60	479.53	426.70	349.45	746.24	809.57	705.79	364.75	345.85	356.94	404.91	405.30	407.17	635.28	620.97	602.42	0.38	0.00	0.00	0.00
ILMN_2543433	5330426P16Rik	XM_916412.3	75.19	80.59	47.32	71.26	70.16	41.97	160.19	145.01	93.08	34.09	63.25	48.14	36.99	57.27	47.94	125.68	149.39	150.27	0.66	0.05	0.92	0.00
ILMN_2605819	Egln3	NM_028133.1	535.30	565.66	452.49	597.08	469.43	357.66	3323.48	3639.33	2904.77	435.73	382.65	389.91	539.96	476.31	488.72	3219.41	3269.09	3136.78	0.61	0.00	0.02	0.00
ILMN_3084791	Als2cr13	NM_001037725.1	228.16	241.84	190.07	227.66	233.22	144.37	377.45	441.43	334.46	208.80	231.41	196.43	223.20	189.02	214.64	274.99	314.69	372.13	0.61	0.01	0.83	0.02
ILMN_2888539	2410018M08Rik	NM_183088.1	119.06	119.69	129.48	134.67	107.35	93.28	280.94	317.03	185.81	89.05	170.70	134.15	109.56	163.66	143.63	249.94	326.81	300.95	0.43	0.02	0.80	0.01
ILMN_2600426	Ccdc94	NM_028381.3	207.73	222.19	223.95	202.66	198.55	187.29	344.44	356.18	343.21	206.95	253.66	234.70	245.02	252.04	254.98	310.37	332.32	440.94	0.03	0.00	0.24	0.04
ILMN_2438516	8030451K01Rik	NM_172501	120.44	79.57	133.43	100.04	90.35	103.08	210.48	202.36	242.43	106.48	103.29	92.47	132.45	96.67	115.81	242.26	208.45	164.88	0.47	0.01	0.27	0.01
ILMN_2501865	Foxo3	NM_019740	67.87	65.87	72.21	56.96	68.31	60.44	180.04	185.77	164.05	39.35	63.83	59.85	60.90	72.75	70.84	176.70	172.47	149.55	0.15	0.00	0.18	0.00
ILMN_2775918	Hs1bp3	NM_021429	70.56	65.21	78.63	56.83	55.66	83.22	205.14	190.30	149.61	98.18	68.74	69.42	74.01	62.00	58.60	173.60	177.31	177.02	0.56	0.00	0.27	0.00
ILMN_2700334	Bri3	NM_018772.1	6259.84	6031.68	4898.63	5822.19	5845.13	3950.44	10065.42	10642.34	7516.72	4648.71	6552.45	5900.45	4598.59	6110.53	6283.18	9528.30	10654.24	9632.74	0.53	0.02	0.96	0.00
ILMN_1256299	Gcnt1	NM_173442.2	323.15	350.99	302.90	307.16	334.57	242.89	880.73	751.49	533.22	270.38	284.24	310.38	228.80	262.93	255.53	690.77	582.04	501.86	0.37	0.02	0.07	0.01
ILMN_1219333	9830134K01Rik	AK036567	50.87	51.64	59.81	54.84	34.02	60.62	99.29	76.32	107.40	72.50	46.07	61.27	77.44	71.52	67.17	129.40	83.52	106.22	0.64	0.01	0.21	0.04
ILMN_1218764	Mospd4	XM_911180.3	20.00	27.79	20.00	20.00	20.00	20.00	33.27	43.70	48.53	20.00	20.00	20.00	20.00	20.00	20.00	34.00	29.90	35.83	0.37	0.02	1.00	0.00
ILMN_2888834	Apob48r	NM_138310.1	227.16	226.99	293.10	208.08	238.56	219.07	438.58	437.24	460.79	295.71	239.60	235.68	272.74	206.63	234.94	567.58	457.90	465.91	0.32	0.00	0.53	0.00
ILMN_1252757	Mllt3	NM_027326.3	229.32	216.65	183.63	215.82	205.44	147.76	349.87	415.66	291.97	152.28	160.36	188.64	179.42	182.02	212.55	304.93	336.19	345.99	0.47	0.02	0.19	0.00
ILMN_1245420	9430091F09Rik	AK035122	199.89	187.38	148.52	187.97	166.54	127.37	529.03	543.23	463.49	137.77	161.79	174.79	136.20	192.21	165.94	411.19	442.20	417.45	0.49	0.00	0.75	0.00
ILMN_2628657	Atp6ap2	NM_027439.2	666.28	618.03	789.38	609.77	590.03	644.70	1147.12	1099.48	1246.26	608.36	824.50	808.28	699.66	736.25	778.87	1375.87	1534.63	1658.90	0.23	0.00	0.91	0.00
ILMN_1231168	H3f3b	XM_915849.1	292.71	352.66	216.47	278.10	298.98	191.39	1069.24	1242.21	937.63	194.84	278.08	211.84	301.36	392.30	287.79	862.96	931.32	728.99	0.58	0.00	0.08	0.00
ILMN_1244431	Sel1l	NM_001039089.1	1288.42	1176.94	927.63	1172.94	1189.97	706.93	2217.72	2516.21	1451.11	806.30	1190.27	1154.37	960.99	1171.29	932.20	1896.27	2228.25	2301.80	0.60	0.05	0.85	0.00
ILMN_1215327	Col4a3bp	AK012989	25.91	35.26	37.79	25.89	24.48	37.95	63.00	47.67	83.83	26.54	38.11	41.14	27.21	40.63	35.91	52.29	66.30	49.73	0.56	0.05	0.91	0.04
ILMN_2812645	Ptrh1	NM_178595.2	88.07	106.35	111.36	74.68	91.79	105.91	198.04	186.94	238.14	87.94	98.33	119.21	85.48	102.51	93.11	242.79	260.00	263.00	0.39	0.00	0.48	0.00
ILMN_2887104	2600010E01Rik	NM_175181.3	20.00	20.00	28.84	20.00	20.00	20.00	40.52	39.88	66.18	20.00	29.38	30.28	20.00	25.56	20.00	37.99	43.27	44.03	0.37	0.05	0.28	0.02
ILMN_2548550	4933432B13Rik	AK017018	364.14	364.69	281.89	357.71	364.22	199.16	660.39	732.94	526.41	193.15	311.83	312.45	267.34	331.78	350.72	424.58	531.90	532.26	0.65	0.01	0.40	0.01
ILMN_2440530	Vat1	NM_012037.2	533.90	514.38	422.43	512.37	490.28	319.35	1325.89	1407.97	817.61	454.71	688.92	663.80	520.17	615.38	636.23	1287.68	1537.16	1551.10	0.52	0.02	0.89	0.00
ILMN_2875169	6330416G13Rik	NM_144905.2	100.48	78.88	95.31	69.09	78.55	96.23	216.53	199.10	261.79	100.76	76.07	76.57	97.45	87.57	66.66	336.35	244.38	260.20	0.37	0.00	0.97	0.00
ILMN_2544674	2310045K21Rik	AK009823	99.25	94.98	96.70	93.62	68.66	97.51	131.48	169.35	175.13	116.97	105.86	117.52	103.66	122.53	112.16	189.60	168.81	162.94	0.32	0.01	0.92	0.00
ILMN_2610167	A630007B06Rik	NM_170757.1	20.00	20.00	31.25	20.00	20.00	21.43	34.97	45.69	52.95	29.89	20.00	25.10	35.30	31.32	36.77	51.96	54.64	43.31	0.44	0.03	0.04	0.00
ILMN_2870965	Dusp4	NM_176933.3	90.24	76.26	89.75	59.76	102.63	69.00	251.35	332.27	326.74	102.96	85.97	66.90	61.76	64.96	58.50	404.39	401.22	362.38	0.58	0.00	0.09	0.00
ILMN_2648100	LOC676974	XM_001003154.1	229.32	205.54	178.15	150.85	196.18	193.69	424.50	381.15	283.51	208.68	266.97	243.01	208.32	260.02	248.56	398.69	491.85	422.36	0.31	0.02	0.98	0.00
ILMN_2572849	C920007D24Rik	AK050589	79.42	66.92	65.59	77.49	74.52	41.20	142.52	108.39	102.03	69.31	60.09	65.62	73.73	66.71	66.27	147.76	112.64	108.92	0.64	0.02	0.34	0.01
ILMN_2682120	Scel	NM_022886.2	284.43	284.71	229.73	258.82	256.31	191.30	544.49	550.24	584.33	204.07	161.27	172.70	161.59	118.66	115.92	398.27	339.52	320.02	0.34	0.00	0.07	0.00
ILMN_1249751	Msh2	AK078775	84.94	85.59	79.04	74.11	69.44	75.75	128.76	131.90	164.73	92.11	68.50	86.91	72.70	80.65	82.99	120.82	111.52	139.55	0.02	0.01	0.66	0.02
ILMN_1249378	Bhlhb2	NM_011498.4	1533.51	1514.49	1309.15	1372.17	1448.72	1035.94	8483.53	10408.83	6205.09	977.21	1011.06	1144.92	740.47	957.60	913.03	6438.16	7427.41	6805.07	0.32	0.00	0.11	0.00
ILMN_1253838	Pawr	NM_054056.2	544.85	564.31	502.71	545.87	571.31	335.64	1012.20	1178.26	1012.11	439.19	523.70	484.79	653.51	584.91	616.47	1035.57	932.14	984.30	0.53	0.00	0.01	0.00
ILMN_2840975	Gls2	NM_001033264.1	63.38	60.33	80.71	45.84	53.30	85.37	102.43	118.49	148.84	75.66	72.65	69.67	75.15	74.43	76.14	118.64	131.71	143.17	0.65	0.02	0.22	0.00
ILMN_1242705	4833420G17Rik	AK014735	34.26	31.67	44.96	34.78	27.97	33.88	64.77	54.62	56.33	33.84	43.68	33.98	43.25	47.55	36.56	72.11	75.06	73.35	0.36	0.01	0.31	0.00
ILMN_1220441	Camk1d	NM_177343.3	139.56	124.52	126.52	122.47	119.51	101.29	237.80	217.38	302.10	121.85	126.81	123.49	116.08	107.70	123.58	268.79	244.85	194.40	0.12	0.01	0.16	0.01
ILMN_2639714	2700078E11Rik	NM_030197.1	210.74	221.13	215.99	208.18	187.93	172.93	400.50	361.75	371.54	228.51	230.16	231.70	208.83	216.90	233.83	454.02	455.79	463.24	0.07	0.00	0.24	0.00
ILMN_2732491	AW049604	NM_134096.2	69.41	63.38	47.66	48.14	46.38	62.89	213.96	193.16	162.18	64.93	74.47	80.36	71.61	69.61	80.96	211.01	188.93	183.89	0.41	0.00	0.89	0.00
ILMN_3042324	Cpsf6	NM_001013391.1	241.99	246.05	237.67	229.36	234.81	175.38	430.70	409.00	416.50	241.09	226.26	201.11	225.04	279.19	224.60	503.13	544.38	486.21	0.21	0.00	0.40	0.00
ILMN_1212717	Tgif1	NM_009372.2	80.95	70.26	83.43	72.96	64.27	67.02	171.98	167.91	167.28	88.76	92.33	95.16	96.37	119.77	93.72	260.49	271.95	280.93	0.10	0.00	0.26	0.00
ILMN_1235891	LOC100041194	XM_001475946.1	177.78	184.72	182.88	187.03	182.15	116.55	527.23	533.03	349.30	160.67	308.92	300.32	146.42	279.65	279.27	612.39	789.38	770.55	0.43	0.01	0.76	0.00
ILMN_1250422	Lhx6	AK090339	79.56	87.26	67.44	85.11	66.79	54.28	125.63	115.79	112.87	74.80	76.50	78.11	86.10	71.54	74.61	117.38	117.24	126.91	0.43	0.00	0.85	0.00
ILMN_2701562	2610103J23Rik	NM_026002	3288.91	2890.42	2552.79	2940.12	3078.89	1765.51	4829.03	5292.95	3579.84	2263.77	2895.92	2764.89	2276.62	2612.69	2892.31	4231.15	5122.09	5517.72	0.54	0.04	0.86	0.01
ILMN_3163235	Zfp82	NM_177889.3	64.68	45.39	59.39	54.34	40.78	51.58	73.39	87.11	99.66	44.30	41.75	53.07	46.60	67.24	46.85	96.91	90.59	70.96	0.34	0.03	0.40	0.01
ILMN_2999439	Klf4	NM_010637.1	505.72	487.14	320.11	506.81	494.31	206.31	1423.85	1916.67	943.78	252.25	305.01	444.21	321.89	348.57	451.47	1025.56	1339.35	1395.68	0.77	0.03	0.59	0.00
ILMN_1247533	A230013K13Rik	AK038454	39.48	27.24	29.33	27.65	32.83	22.75	405.80	377.25	434.83	21.18	24.12	21.04	20.00	20.00	20.00	375.53	372.36	277.21	0.42	0.00	0.10	0.00
ILMN_2668808	Stam	NM_011484.2	68.63	70.80	70.78	69.51	84.99	37.98	152.25	174.51	115.70	65.30	66.77	58.15	74.80	81.13	77.15	205.04	206.35	159.85	0.69	0.01	0.01	0.00
ILMN_2727437	0610031J06Rik	NM_020003.1	295.24	266.00	266.61	242.30	302.23	186.11	461.89	550.15	534.59	263.71	288.52	265.57	255.39	295.72	323.19	495.30	512.14	640.08	0.41	0.00	0.43	0.00
ILMN_1218366	C230081A13Rik	NM_172924	182.31	216.24	163.05	175.75	160.49	148.30	329.68	334.38	357.11	161.34	154.25	182.26	173.80	152.75	151.17	274.62	272.11	281.10	0.22	0.00	0.58	0.00
ILMN_2580315	D430005F24Rik	AK084883	62.91	39.93	48.51	39.53	47.15	42.29	96.34	100.48	83.71	44.95	56.29	69.56	49.22	57.21	65.89	86.78	89.53	93.82	0.35	0.01	0.96	0.01
ILMN_1234200	Aabp3-pending	AK020170	53.51	50.86	44.13	28.47	46.42	58.79	92.50	101.24	122.27	46.22	60.07	47.51	55.40	46.36	45.17	94.94	94.08	80.50	0.62	0.00	0.70	0.00
ILMN_2672297	Gcnt1	NM_173442.2	188.01	163.66	174.93	127.31	155.64	175.70	360.96	346.65	364.20	169.49	135.88	164.63	161.60	124.50	131.09	365.05	246.33	258.89	0.22	0.00	0.32	0.03
ILMN_2900653	Gadd45b	NM_008655.1	472.25	528.67	413.79	445.26	462.22	322.44	1097.50	1341.24	954.27	345.26	556.60	553.93	445.92	518.27	586.34	978.50	1141.16	1169.71	0.33	0.00	0.72	0.00
ILMN_3087593	Gtf2a1	NM_031391.1	63.07	41.31	40.92	36.06	51.87	36.07	84.32	67.90	86.27	51.11	60.71	53.49	43.25	46.16	50.67	99.58	79.14	92.69	0.48	0.03	0.08	0.01
ILMN_1231176	Kifc1	NM_053173.2	51.69	37.28	43.87	35.13	46.58	32.57	66.14	72.48	72.54	45.61	65.63	61.96	39.39	61.49	61.64	80.20	92.37	90.05	0.36	0.01	0.73	0.01
ILMN_1213498	Srgap3	NM_080448.4	87.72	75.50	75.16	66.75	73.69	63.65	234.25	195.04	229.70	78.85	105.01	81.60	71.05	76.35	67.29	282.59	251.16	248.98	0.09	0.00	0.12	0.00
ILMN_1254237	Stx3	NM_001025307.1	42.37	27.48	40.39	37.32	37.76	20.85	66.12	85.21	75.43	23.70	36.82	29.41	20.86	35.38	37.07	58.85	79.55	86.62	0.55	0.01	0.87	0.01
ILMN_1229652	2810046L04Rik	AK012908	128.49	124.68	113.14	108.48	126.03	82.67	184.62	202.77	193.39	115.53	86.00	101.13	120.79	115.83	102.60	181.13	161.42	195.43	0.29	0.00	0.29	0.00
ILMN_1244279	Trib3	NM_175093.2	20.00	29.26	52.40	26.50	35.72	20.00	187.78	211.43	393.54	27.08	38.96	31.86	30.52	37.18	35.25	367.50	306.76	272.62	0.58	0.02	0.69	0.00
ILMN_1257607	Zfp184	NM_183014.1	71.44	70.43	57.83	59.22	78.90	38.23	107.66	115.91	107.00	33.39	55.46	50.17	47.17	55.31	55.72	137.91	123.32	111.16	0.57	0.00	0.43	0.00
ILMN_1250821	LOC385019	XM_357995.1	138.65	151.14	133.99	128.68	130.59	102.46	266.67	265.52	168.19	98.02	207.22	157.04	79.11	176.69	156.99	227.89	253.29	274.52	0.12	0.05	0.72	0.05
ILMN_2661367	Hyou1	NM_021395.2	170.61	157.63	140.63	151.92	161.18	94.09	258.65	283.57	229.75	121.59	172.11	155.71	122.57	140.12	160.57	209.55	316.22	303.26	0.42	0.00	0.66	0.03
ILMN_2480125	3110018K01Rik		98.17	88.69	53.32	56.56	87.14	57.32	122.42	132.77	166.32	63.89	44.28	45.70	63.75	57.85	52.94	108.79	103.08	138.43	0.48	0.03	0.38	0.01
ILMN_1238065	A730023M06Rik	AK042776	78.43	74.23	70.41	58.60	56.00	75.58	120.88	98.94	146.93	58.94	62.49	65.21	44.07	66.81	65.46	141.10	113.60	98.82	0.17	0.03	0.67	0.01
ILMN_1251084	Tbn-pending	AK049949	48.65	61.02	66.84	52.84	52.53	42.71	79.34	111.17	129.47	50.45	39.73	57.79	64.95	53.51	58.28	77.26	70.61	76.55	0.21	0.04	0.20	0.01
ILMN_2617090	Egln1	NM_053207.1	88.89	60.54	69.42	72.52	50.86	60.27	186.33	231.98	313.68	50.34	54.79	65.74	70.88	60.84	55.27	144.28	174.60	133.40	0.32	0.01	0.45	0.00
ILMN_1255259	Alkbh5	NM_172943.3	139.29	173.24	93.46	139.75	131.94	71.64	303.94	361.70	309.83	89.04	128.18	137.07	84.30	113.16	161.43	264.01	326.69	266.70	0.54	0.00	0.96	0.00
ILMN_2918927	Dusp3	NM_028207.1	32.78	36.93	26.53	29.74	31.17	20.17	46.28	82.51	79.80	26.98	35.16	35.95	31.34	35.68	31.26	84.50	75.67	92.93	0.33	0.04	0.98	0.00
ILMN_2628668	S100a3	NM_011310.2	83.71	87.75	99.16	75.03	58.83	95.43	161.57	189.56	267.69	129.59	89.37	101.13	124.24	72.27	92.14	268.71	211.13	249.50	0.30	0.02	0.62	0.00
ILMN_2541505	Vps13c	NM_177184.3	22.79	24.64	29.72	22.98	20.88	20.00	50.71	44.86	46.87	27.07	20.00	20.00	20.00	28.54	28.36	31.68	41.08	47.03	0.12	0.00	0.42	0.03
ILMN_1253648	B230323K17Rik	AK045923	35.30	33.58	46.06	33.14	36.47	25.84	57.51	55.99	67.41	35.64	25.14	40.26	42.30	27.88	26.23	60.57	50.33	51.44	0.26	0.01	0.83	0.02
ILMN_3033524	Ccdc93	NM_001025156.1	86.69	120.52	106.87	98.16	89.67	72.21	201.05	166.98	181.66	98.33	93.03	97.33	117.98	111.90	114.38	246.90	241.06	216.24	0.22	0.00	0.00	0.00
ILMN_1235519	9430008C03Rik	XM_001475889.1	35.70	34.47	32.48	24.31	33.77	27.49	124.09	121.20	160.44	45.87	25.78	29.27	22.92	29.57	25.38	160.84	113.89	96.67	0.12	0.00	0.30	0.01
ILMN_2649148	Cgn	XM_001001375.2	270.80	249.69	148.94	203.09	226.94	123.12	501.54	632.99	426.61	138.03	152.04	188.93	168.14	144.28	189.88	521.71	356.89	497.10	0.47	0.01	0.72	0.01
ILMN_1231849	Spnr	AK031315	42.89	36.35	52.49	37.13	30.01	41.20	74.60	88.46	111.29	32.71	52.52	57.24	35.64	52.83	46.78	95.33	93.88	93.51	0.24	0.02	0.80	0.00
ILMN_2692960	Ero1lb	NM_026184.2	63.70	59.15	48.47	52.94	67.36	28.22	128.03	152.81	137.98	43.15	42.33	53.33	55.45	45.17	66.40	108.58	165.48	159.23	0.57	0.00	0.25	0.01
ILMN_2916437	Rell2	NM_153793.1	45.45	55.94	46.51	57.76	42.04	26.46	99.48	80.38	64.62	23.34	43.62	35.20	21.93	40.90	34.74	64.52	65.63	49.03	0.50	0.04	0.86	0.03
ILMN_1252902	Rhobtb1	NM_001081347.1	177.52	164.88	175.25	128.39	133.82	160.50	361.49	274.58	324.85	119.15	133.30	150.04	159.62	127.62	149.64	253.29	250.38	204.36	0.04	0.00	0.43	0.00
ILMN_2645448	Armcx1	NM_030066.2	201.37	220.59	191.85	210.99	179.25	120.13	670.18	688.21	486.68	172.20	153.61	196.89	173.02	162.14	176.63	568.00	533.44	542.86	0.28	0.00	0.80	0.00
ILMN_1218196	Il17rd	NM_134437.1	26.34	39.67	37.09	34.88	25.09	23.56	63.41	85.72	55.62	30.59	33.91	37.86	29.64	20.00	31.38	71.74	64.68	60.48	0.29	0.03	0.16	0.00
ILMN_2626086	Gla	NM_013463.2	28.00	22.64	34.38	20.00	20.00	28.88	121.39	97.90	139.42	20.00	36.28	30.11	36.15	32.51	38.55	128.96	139.04	163.92	0.30	0.00	0.24	0.00
ILMN_2778279	Fosb	NM_008036.2	37.27	20.00	21.49	21.19	20.00	20.00	75.25	119.72	99.25	20.00	20.00	28.91	20.00	20.00	20.00	150.53	90.75	91.60	0.35	0.01	0.37	0.01
ILMN_1250037	Suv420h1	NM_144871.3	87.46	66.98	104.52	60.84	53.43	97.77	141.50	205.24	215.28	95.23	72.19	73.60	68.86	72.51	76.38	216.07	194.13	153.80	0.42	0.02	0.37	0.01
ILMN_2565218	B130005N20Rik	AK044821	30.71	44.09	22.53	23.58	33.57	20.00	73.25	81.67	79.87	35.03	42.17	34.69	35.89	43.07	43.63	49.85	65.56	57.00	0.42	0.00	0.36	0.02
ILMN_1235811	1110032E23Rik	NM_133187.2	209.63	220.86	234.65	163.20	188.86	179.69	275.96	409.28	445.50	268.42	214.85	212.72	218.90	186.29	175.02	507.19	465.55	464.86	0.01	0.04	0.16	0.00
ILMN_2458710	EG545878	XM_620367.3	25.79	20.00	31.66	20.72	20.00	20.00	53.91	43.09	41.39	35.06	42.11	34.56	20.00	36.23	32.86	47.33	69.59	69.24	0.17	0.02	0.24	0.03
ILMN_1227862	Chd2	NM_001081345.1	29.95	29.37	33.10	20.00	21.95	32.93	61.78	56.27	83.51	29.80	35.29	24.77	28.53	34.25	22.07	83.71	68.74	54.62	0.24	0.01	0.74	0.01
ILMN_2721999	Piga	NM_011081.2	72.67	41.27	45.72	47.61	44.47	31.98	123.27	136.85	113.66	37.57	31.67	39.67	32.23	43.61	35.62	133.28	107.56	102.03	0.34	0.00	0.85	0.00
ILMN_1248488	Zfp26	NM_011753.2	103.22	79.97	58.23	85.99	78.54	35.04	133.59	153.71	114.86	39.94	75.48	71.89	92.76	69.75	68.70	114.43	123.44	136.57	0.53	0.04	0.35	0.01
ILMN_2762640	Gls2	NM_001033264.2	120.83	138.81	121.71	94.61	107.16	98.67	200.42	191.47	230.88	105.65	108.06	133.20	120.38	136.66	127.67	216.97	226.95	217.00	0.02	0.00	0.28	0.00
ILMN_2506244	Mylk2	XM_130630	28.28	30.74	23.49	23.43	21.07	20.00	84.40	122.76	86.45	20.00	20.00	25.65	21.11	20.00	20.00	75.95	87.67	82.78	0.06	0.01	0.47	0.00
ILMN_2577206	Lamp2	AK051989	60.63	46.44	46.87	34.09	34.94	52.03	135.65	156.75	138.78	51.34	40.55	55.41	51.88	46.62	60.47	141.46	128.07	130.24	0.22	0.00	0.55	0.00
ILMN_2507725	Lpin1	NM_015763	27.85	36.59	26.19	20.18	29.13	20.99	61.22	71.86	40.46	20.45	35.80	29.42	22.86	41.36	36.50	38.76	52.45	57.61	0.19	0.05	0.52	0.04
ILMN_2721520	Socs7	NM_138657.3	38.79	47.59	60.54	42.31	29.92	40.68	79.07	104.09	126.43	53.48	40.58	62.82	57.42	45.15	39.61	75.67	94.67	77.23	0.20	0.02	0.59	0.03
ILMN_1245748	9530062M13Rik	AK079259	62.61	45.69	41.64	48.63	49.93	22.00	71.62	80.69	78.18	45.46	31.44	32.94	48.80	41.63	43.60	61.86	55.48	53.43	0.43	0.02	0.18	0.02
ILMN_2635871	3110057O12Rik	NM_026622.2	32.52	42.91	62.83	34.58	32.77	34.52	95.12	142.49	150.22	31.55	31.14	33.67	32.18	32.73	42.21	127.38	91.09	101.36	0.25	0.01	0.34	0.00
ILMN_2736639	Csnk1g1	NM_173185.2	37.31	34.57	46.65	37.38	23.06	30.80	124.85	112.99	131.96	44.22	38.72	33.57	20.00	43.16	20.53	108.34	132.66	95.60	0.17	0.00	0.25	0.00
ILMN_1218721	Foxj3	NM_172699.2	30.92	30.79	25.21	20.00	25.62	20.00	41.70	62.26	49.88	20.00	20.00	34.51	20.00	20.46	26.58	43.43	43.72	41.34	0.06	0.02	0.66	0.02
ILMN_2615312	Ntn2l	NM_010947.3	54.10	61.03	88.51	43.18	55.40	52.03	117.47	116.82	171.05	55.82	49.78	71.72	50.46	41.32	65.25	136.64	136.70	107.07	0.19	0.03	0.52	0.00
ILMN_1222219	2610528A11Rik	XM_987802.1	53.20	43.83	33.87	35.32	33.44	27.63	87.39	72.38	85.06	40.83	42.64	45.89	20.00	49.72	32.46	102.41	108.32	120.99	0.13	0.01	0.36	0.00
ILMN_1214713	Rcor2	NM_054048.3	86.77	65.86	40.88	53.88	74.19	23.48	204.25	237.48	112.71	35.82	44.51	44.07	42.90	34.78	55.81	148.88	167.11	156.08	0.52	0.04	0.68	0.00
ILMN_1245421	Slc25a36	NM_138756.4	75.50	60.06	78.99	58.19	66.89	36.51	121.50	130.77	198.85	59.13	74.13	73.07	85.21	79.96	75.54	152.24	157.14	144.34	0.18	0.03	0.11	0.00
ILMN_1254782	6430628O11Rik	AK032597	76.76	75.64	73.03	63.54	63.55	41.01	129.63	120.36	143.26	62.43	66.72	71.21	78.35	54.98	80.93	125.53	130.44	99.90	0.07	0.00	0.62	0.01
ILMN_2601525	A230051G13Rik	NM_173785.2	100.15	106.11	78.25	87.93	65.01	56.66	153.61	134.98	151.68	76.91	76.30	80.91	89.38	97.16	94.86	156.01	180.11	134.53	0.12	0.01	0.00	0.00
ILMN_1248849	Gsta2	NM_008182.3	80.33	83.20	58.67	52.37	77.41	36.86	268.97	411.17	246.34	79.48	94.30	124.11	110.51	96.34	159.07	761.21	584.64	889.13	0.26	0.01	0.38	0.00
ILMN_1258598	4732456P10Rik	AK028794	41.61	36.23	66.01	52.20	32.41	22.16	69.41	90.92	95.22	43.51	45.96	48.92	53.70	50.59	34.74	67.90	107.16	94.68	0.39	0.04	0.97	0.02
ILMN_3060512	Sel1l	NM_001039089.1	49.66	56.07	21.69	40.70	26.45	20.00	93.69	86.45	93.06	41.29	53.90	20.00	20.00	51.86	46.80	102.82	125.77	82.06	0.33	0.01	0.94	0.02
ILMN_2685565	Tymp	NM_138302.1	65.83	42.89	44.21	48.49	44.64	20.00	106.80	102.52	94.31	34.61	45.37	47.14	42.05	54.76	48.81	107.42	118.37	120.41	0.32	0.00	0.31	0.00
ILMN_2694387	4921505C17Rik	NM_030168.2	26.80	28.27	31.69	20.00	20.79	20.00	59.86	77.81	105.03	36.89	20.00	23.57	32.33	38.29	20.00	84.67	87.91	69.16	0.00	0.02	0.67	0.00
ILMN_2759730	Tmem144	NM_027495.2	34.13	31.88	36.50	21.06	26.03	24.93	53.92	62.08	66.68	39.40	25.80	35.83	27.91	38.18	32.18	66.41	72.65	69.75	0.01	0.00	0.86	0.00
ILMN_2557844	4831413G18Rik	AK029196	57.84	56.70	46.01	44.90	35.71	29.44	114.06	96.10	85.15	51.34	42.98	40.25	36.66	41.21	42.87	79.22	78.38	102.56	0.05	0.01	0.29	0.01
ILMN_1246819	Dnajc1	AK012505	43.60	32.39	53.21	35.12	29.93	20.00	73.59	62.05	57.91	32.53	30.01	41.16	28.13	35.07	33.24	62.36	46.88	62.80	0.12	0.05	0.57	0.02
ILMN_1252444	Usp53	NM_133857.3	81.41	63.30	55.13	46.54	58.73	28.31	210.51	244.97	209.77	36.25	48.45	57.61	57.63	54.96	58.03	184.34	163.07	192.83	0.13	0.00	0.21	0.00

ILMN_2556758	Glb1	AK034049	25.41	20.00	21.11	38.06	21.99	49.95	33.40	44.72	36.62	24.92	27.86	37.78	37.26	35.31	26.79	39.33	61.48	38.91	0.15	0.01	0.59	0.12
ILMN_1235445	Nfs1	AK084831	20.00	20.00	22.74	50.30	33.65	20.00	31.27	44.70	40.27	20.00	20.31	25.26	20.00	25.11	33.37	28.37	55.94	39.92	0.19	0.01	0.37	0.08
ILMN_1216190	Rasa3	NM_009025	70.86	51.20	30.69	82.82	94.90	46.11	90.65	89.36	85.41	36.76	48.75	57.21	50.10	64.29	60.18	39.81	55.03	61.82	0.27	0.03	0.22	0.63
ILMN_3072319	2210009G21Rik	NM_028201.1	24.13	21.92	24.33	27.38	30.61	49.86	46.51	41.16	35.85	36.96	23.00	27.51	31.64	45.14	42.22	66.03	48.87	35.37	0.15	0.01	0.14	0.10
ILMN_1254473	Ypel4	NM_001005342.2	20.00	20.00	20.00	26.45	20.00	49.05	29.89	32.30	36.14	20.00	20.71	20.00	20.76	34.07	24.16	37.49	28.39	20.00	0.25	0.00	0.20	0.17
ILMN_1242512	6530405K15Rik	AK032664	24.97	20.00	20.00	24.11	40.11	32.74	44.74	38.38	41.80	28.31	22.30	27.23	30.25	27.20	34.84	27.18	31.08	27.28	0.10	0.00	0.17	0.32
ILMN_2582897	Hmg20a	AK086346	30.49	41.05	31.69	48.02	56.37	46.13	78.90	68.15	76.09	60.77	46.75	35.78	60.11	32.45	34.17	64.36	60.74	54.44	0.03	0.00	0.66	0.20
ILMN_1231483	D230017B08Rik	AK051900	24.16	28.04	26.33	33.09	35.12	46.75	40.49	60.07	38.36	31.15	31.86	44.80	34.79	32.10	34.16	60.87	38.57	43.92	0.05	0.05	0.64	0.22
ILMN_2518618	Xpr1	NM_011273.1	42.37	38.52	29.50	70.94	42.96	45.17	58.57	58.83	66.67	45.76	50.22	56.32	56.61	55.46	48.63	49.21	55.59	63.06	0.17	0.01	0.52	0.36
ILMN_2516833	Zhx2	NM_199449.2	34.01	32.01	32.70	53.15	47.43	36.77	72.59	73.04	87.42	38.55	59.25	68.03	79.51	50.22	50.15	56.78	88.63	75.13	0.06	0.00	0.74	0.22
ILMN_3119478	Camk2d	NM_001025438.1	56.81	50.42	76.06	81.33	65.95	105.59	95.94	80.51	95.91	98.03	52.37	67.13	80.63	69.15	62.43	57.38	62.76	60.57	0.17	0.03	0.91	0.42
ILMN_1218906	Pde4dip	NM_177145.3	20.00	20.00	21.40	20.00	27.79	39.32	33.41	33.61	30.75	26.02	30.57	22.58	31.94	26.93	21.58	32.04	39.45	27.51	0.20	0.00	0.92	0.19
ILMN_2845600	Trappc5	NM_025701.2	36.57	24.42	44.85	39.09	40.52	61.38	55.08	51.47	61.92	80.14	54.79	50.65	69.65	51.40	56.06	46.85	80.85	49.52	0.28	0.04	0.81	0.85
ILMN_1232770	Sbno2	NM_183426.1	30.20	45.15	27.08	44.92	32.55	60.85	51.42	49.09	64.76	46.51	42.97	42.32	44.08	48.59	42.19	58.91	52.81	63.38	0.29	0.05	0.68	0.01
ILMN_2667144	Endogl1	NM_172456.2	57.80	35.70	53.08	58.99	70.71	62.33	67.46	87.75	88.97	62.42	66.74	60.21	76.34	78.93	61.61	82.88	72.34	91.40	0.12	0.03	0.18	0.03
ILMN_2528860	LOC380959	XM_354869.1	36.71	49.32	36.39	44.92	58.69	58.60	58.05	57.93	68.58	34.74	44.94	43.63	57.33	37.36	39.34	45.58	47.34	54.00	0.10	0.02	0.64	0.13
ILMN_3133835	Magi1	NM_001029850.2	20.00	20.00	24.20	20.00	26.83	41.40	34.86	37.33	51.04	20.00	33.97	41.88	29.48	34.95	32.67	55.98	37.28	54.72	0.28	0.02	0.95	0.12
ILMN_2628747	D130051D11Rik	XM_358472.1	26.45	20.00	27.82	32.80	32.12	32.05	36.96	55.42	40.28	34.84	20.63	25.14	26.95	26.27	34.38	39.01	38.05	38.45	0.04	0.03	0.66	0.05
ILMN_1214668	Msi2h	AK031365	40.09	49.87	42.35	56.63	49.12	68.52	74.21	79.06	74.08	66.40	64.95	63.95	58.61	54.97	57.92	71.32	74.24	67.63	0.09	0.00	0.00	0.04
ILMN_1227461	Birc6	AK086619	24.80	36.02	36.38	42.73	40.52	42.20	56.63	48.04	47.99	38.96	33.34	39.17	30.53	30.07	41.26	51.40	47.36	42.40	0.07	0.02	0.48	0.04
ILMN_3078306	Cyb561d1	NM_001081320.1	67.32	50.45	72.54	66.33	95.90	86.37	94.44	97.14	93.02	80.16	92.93	87.63	73.50	68.22	89.26	97.39	93.36	75.11	0.15	0.01	0.25	0.84
ILMN_2756286	Larp5	NM_172585.2	86.78	92.52	125.22	130.58	131.61	126.70	161.21	173.91	180.89	140.01	136.28	123.24	132.52	126.45	107.35	188.26	176.87	167.60	0.08	0.01	0.29	0.00
ILMN_3079413	ORF19	NM_026833.1	20.00	20.00	20.00	25.49	33.92	20.00	38.70	44.43	51.44	33.51	20.00	31.08	24.97	20.00	26.81	31.67	61.83	32.26	0.19	0.00	0.41	0.27
ILMN_2503393	Tram2	NM_133252.2	23.26	20.00	20.00	25.33	25.74	30.47	36.67	33.66	37.13	22.09	23.87	20.00	20.00	21.15	26.81	33.31	24.68	20.00	0.04	0.00	0.79	0.38
ILMN_2814865	Qpct	NM_027455.1	87.64	82.96	77.71	105.87	92.80	122.44	116.55	134.35	128.15	103.47	88.55	81.44	93.17	73.97	95.41	132.79	137.07	123.80	0.06	0.00	0.72	0.01
ILMN_1218262	Nsep1	AK011890	20.00	20.00	20.00	20.00	28.22	29.40	34.36	29.31	34.79	20.00	24.70	23.26	20.00	20.00	20.00	20.00	25.16	29.33	0.12	0.00	0.13	0.51
ILMN_3150922	Foxo6	NM_194060.1	20.00	21.66	23.04	20.00	21.78	46.84	48.34	45.11	54.28	45.80	28.44	22.09	30.78	20.00	20.00	44.70	44.30	40.19	0.41	0.00	0.34	0.20
ILMN_2985657	5031414D18Rik	NM_198642.1	36.34	41.98	40.61	59.17	65.22	32.78	66.65	50.97	64.79	46.26	66.66	58.71	50.48	46.98	57.54	51.80	68.70	55.35	0.28	0.02	0.45	0.87
ILMN_1214189	Gpr133	NM_001081342.1	36.37	23.69	30.35	48.99	30.45	35.60	49.88	57.44	64.62	20.00	28.94	25.85	20.00	20.00	20.00	27.29	35.99	31.72	0.28	0.01	0.13	0.14
ILMN_1222291	Rps6kb1	NM_028259.3	28.02	36.21	37.86	46.56	53.49	30.91	81.60	65.08	63.47	70.10	38.24	27.90	27.87	40.65	28.34	58.80	39.23	72.71	0.26	0.01	0.38	0.51
ILMN_2660698	Fmn	NM_010230.1	25.99	20.00	20.00	20.00	34.94	29.14	46.68	38.82	28.49	20.53	20.00	20.00	20.00	20.00	20.00	21.73	23.44	26.43	0.28	0.05	0.37	0.06
ILMN_1214127	4631409F12Rik	AK028452	48.38	48.21	28.49	57.02	54.41	41.55	78.55	65.75	59.87	37.91	40.98	47.70	45.89	43.58	43.85	49.07	52.65	58.85	0.32	0.04	0.49	0.05
ILMN_2666380	Spag1	NM_012031.1	102.51	99.82	111.45	139.20	113.83	137.49	150.59	179.37	149.77	107.27	134.62	129.21	161.84	153.25	138.12	176.96	165.53	193.86	0.05	0.01	0.07	0.01
ILMN_2759983	Ccdc21	NM_144527.2	53.11	63.68	66.55	82.49	81.27	63.84	96.58	88.42	90.84	63.30	107.51	101.10	68.68	106.45	104.50	90.04	108.16	98.55	0.11	0.00	0.90	0.60
ILMN_1220173	Ppm2c	NM_001098231.1	30.54	23.43	20.00	29.78	39.43	22.87	35.58	40.82	44.53	27.33	27.99	20.72	20.00	24.85	23.95	20.00	20.00	20.00	0.35	0.02	0.43	0.08
ILMN_2923671	Rragb	NM_001004154.1	90.82	91.11	67.91	97.09	101.35	105.56	129.58	148.83	164.17	76.11	87.81	85.85	88.60	97.54	82.70	97.50	135.55	130.07	0.09	0.01	0.32	0.04
ILMN_2565748	Gabrg3	AK046483	30.54	24.71	26.27	42.87	26.92	30.93	55.94	51.41	59.10	60.82	23.59	30.77	40.25	22.95	21.11	92.88	45.10	50.96	0.28	0.00	0.47	0.26
ILMN_2626359	Cds2	NM_138651.5	20.47	20.00	20.00	21.22	28.37	24.36	40.07	51.82	37.96	55.29	20.00	21.90	22.22	28.07	22.29	53.34	42.37	29.23	0.10	0.01	0.52	0.53
ILMN_2710201	Fkbpl	NM_019873.2	91.16	87.66	68.23	103.28	101.26	91.78	140.17	102.22	129.55	120.15	88.55	96.87	89.75	106.47	90.09	93.91	106.12	106.50	0.11	0.04	0.59	0.98
ILMN_1233685	A130027D22Rik	AK037575	73.64	51.88	69.50	82.10	58.60	96.90	100.80	97.16	92.72	96.99	58.82	67.13	49.41	66.72	56.72	81.94	79.65	88.68	0.34	0.01	0.26	0.49
ILMN_2955694	Spag1	NM_012031.1	72.68	59.35	55.50	75.70	98.83	55.87	80.40	123.89	104.60	69.50	34.94	54.96	73.15	53.42	55.92	62.38	65.16	67.38	0.35	0.04	0.55	0.31
ILMN_1234842	Msi2h	AK051269	26.09	23.10	28.41	27.27	26.82	40.48	37.41	42.85	37.48	30.71	32.95	50.59	31.45	32.12	41.10	38.22	38.49	39.04	0.30	0.00	0.67	0.94
ILMN_1259711	A230061N24Rik	AK038775	31.44	43.51	38.63	47.73	48.61	38.68	65.96	60.20	68.85	49.37	45.32	46.56	54.60	32.98	51.25	34.06	47.61	52.18	0.21	0.00	0.91	0.68
ILMN_2630459	Cxcr4	NM_009911.2	63.02	60.91	44.40	70.79	73.78	54.91	145.77	159.57	96.52	99.83	60.56	62.84	75.64	61.26	69.39	79.67	111.11	118.23	0.28	0.02	0.69	0.18
ILMN_1229830	Zfhx1b	AK012377	27.19	50.74	30.99	39.85	50.93	35.39	66.53	65.96	63.49	44.73	38.54	37.14	46.82	27.34	48.00	44.02	35.94	43.27	0.54	0.02	0.94	0.80
ILMN_1217817	D4Ertd681e		121.32	134.00	110.62	179.23	133.91	125.53	196.58	211.96	193.54	117.67	102.50	137.17	120.52	108.75	112.21	152.51	96.96	151.23	0.25	0.00	0.64	0.53
ILMN_2561575	Anxa7	AK041855	60.89	42.08	38.47	40.54	54.81	73.83	69.11	83.55	84.13	70.91	55.98	51.49	49.93	49.70	64.21	87.80	88.21	77.62	0.48	0.02	0.56	0.02
ILMN_1260291	C230066H01Rik	AK082583	20.28	23.87	26.43	26.80	21.86	36.17	45.85	57.01	77.03	41.30	21.61	29.37	20.00	21.21	28.43	62.20	42.29	48.03	0.36	0.02	0.30	0.07
ILMN_1236700	Pde4d	NM_011056.2	50.09	51.80	66.24	79.91	58.21	60.56	95.41	79.67	82.32	87.35	45.22	50.79	63.78	65.51	46.03	55.92	63.46	69.23	0.30	0.01	0.86	0.91
ILMN_2972026	Cebpg	NM_009884.2	26.39	63.08	43.89	62.35	60.26	31.75	73.56	87.38	77.77	29.33	38.33	41.39	49.41	44.91	44.11	53.75	49.97	54.32	0.65	0.04	0.07	0.01
ILMN_2594644	Lrrc48	NM_029044.2	20.00	20.00	20.40	20.00	24.02	27.59	24.85	32.46	35.64	20.00	20.00	23.89	20.00	33.75	29.66	20.00	30.72	23.15	0.16	0.03	0.20	0.39
ILMN_2425990	4933421G18Rik	NM_027707	670.62	735.54	665.76	853.71	742.81	836.42	1013.43	1050.50	1156.11	803.61	606.13	660.55	768.76	621.99	580.22	901.59	678.37	848.93	0.04	0.00	0.71	0.25
ILMN_1217493	Efna4	NM_007910.2	93.00	102.03	116.26	121.79	110.15	132.58	174.99	130.75	168.24	121.24	145.33	152.74	136.03	143.76	140.52	170.49	171.37	178.71	0.13	0.02	0.97	0.03
ILMN_2626318	Elf2	NM_023502.1	43.66	51.07	44.29	42.10	46.84	80.55	75.87	65.46	105.66	70.69	60.13	46.54	60.90	61.90	54.38	68.45	98.05	100.04	0.46	0.04	0.99	0.07
ILMN_2800687	Hr	NM_021877.2	341.34	330.04	320.04	361.06	374.96	427.70	426.03	566.95	633.85	324.93	358.49	367.05	292.39	288.30	281.85	526.68	494.26	446.18	0.05	0.03	0.01	0.01
ILMN_2555071	6720402K17Rik	AK032696	20.00	20.00	20.00	20.00	31.25	20.00	28.46	39.97	40.05	20.00	21.42	20.00	20.00	30.93	37.88	20.00	21.93	30.20	0.37	0.01	0.16	0.32
ILMN_1259544	Wdr67	NM_001081396.1	87.46	140.24	96.49	119.79	112.52	135.93	177.80	174.37	215.45	119.73	117.38	119.58	130.48	101.49	102.46	155.58	161.72	147.29	0.45	0.02	0.48	0.00
ILMN_1230211	Ralgps1	NM_175211	44.88	45.30	51.18	45.85	59.39	59.03	103.69	79.72	64.75	70.36	58.52	65.72	65.91	52.42	52.55	164.18	89.14	88.12	0.19	0.04	0.23	0.13
ILMN_2498143	LOC100045266	XM_001473950.1	151.00	191.75	227.30	205.21	208.99	236.32	303.71	313.06	305.70	220.71	162.69	193.03	233.22	184.21	215.43	291.08	280.45	268.93	0.33	0.01	0.44	0.01
ILMN_2534921	LOC386486	XM_359329.1	194.69	186.13	177.70	211.38	178.03	262.72	266.21	249.12	358.27	250.77	181.86	176.35	217.01	207.61	195.09	268.74	300.32	239.15	0.28	0.04	0.89	0.09
ILMN_2595814	A630082K20Rik	XM_145254	753.10	768.15	724.42	855.03	860.42	873.95	1404.37	1290.09	1614.85	850.62	670.36	724.54	734.06	718.78	742.06	1214.26	1050.31	1013.00	0.00	0.00	0.77	0.01
ILMN_2675833	Dlx3	NM_010055.2	58.96	65.03	73.46	75.35	70.25	81.06	103.07	84.31	112.04	73.65	99.81	101.00	106.94	106.98	114.80	90.67	109.82	106.63	0.14	0.02	0.12	0.37
ILMN_3161892	LOC100044292	XM_001471563.1	20.00	20.00	20.00	20.76	20.00	28.89	33.43	28.37	39.54	20.00	20.00	20.00	20.00	20.00	20.00	20.00	34.20	26.78	0.32	0.01	1.00	0.16
ILMN_1220845	scl0001651.1_229	AK002569.1	31.82	33.87	25.02	51.09	39.47	20.00	41.92	53.10	50.69	29.12	38.95	48.93	25.88	34.96	35.85	52.62	45.43	52.18	0.52	0.01	0.36	0.15
ILMN_2627929	Hivep3	NM_010657	25.23	25.38	20.00	30.75	30.76	20.00	33.94	42.49	35.99	20.00	20.75	20.00	20.00	25.22	28.37	39.55	20.00	27.03	0.41	0.01	0.16	0.21
ILMN_1229142	E530004K11Rik	AK089126	20.00	20.00	20.00	20.00	20.00	29.51	39.18	47.79	51.23	20.00	20.00	20.00	20.00	20.00	20.00	34.25	30.72	53.74	0.37	0.00	1.00	0.05
ILMN_2864290	BC049806	NM_172513.2	162.54	174.25	165.94	180.39	175.80	218.31	257.46	217.45	295.29	242.64	193.57	150.83	205.35	190.14	189.68	258.42	234.96	225.26	0.16	0.02	0.98	0.20
ILMN_1242684	LOC383800	XM_357261.1	20.00	20.00	20.00	29.30	20.00	20.00	33.48	28.46	43.89	20.00	20.88	20.00	20.54	20.00	20.00	20.00	20.00	23.43	0.37	0.03	0.76	0.51
ILMN_3162407	Zfp36	NM_011756.4	364.88	361.33	410.55	358.25	426.04	517.07	522.90	601.77	692.22	449.05	432.21	421.23	473.95	454.12	432.44	653.16	634.12	537.54	0.32	0.01	0.25	0.01
ILMN_1218640	4833431D13Rik	XM_196000.3	27.79	26.49	30.65	33.81	28.98	33.33	74.08	73.72	133.62	58.13	30.96	34.14	42.71	40.55	39.20	82.53	56.86	60.16	0.13	0.03	0.98	0.10
ILMN_2479216	A430110M15Rik		20.00	23.20	36.66	35.14	34.81	20.00	44.63	46.41	43.00	30.91	31.66	22.92	30.13	20.56	24.70	54.17	37.77	38.90	0.66	0.03	0.44	0.06
ILMN_2646625	Jun	NM_010591.1	175.72	164.97	220.56	164.82	192.75	284.42	294.87	276.54	426.28	237.71	209.07	161.84	186.84	175.03	169.02	299.20	274.15	271.66	0.54	0.04	0.32	0.03
ILMN_1251876	Srpk2	NM_009274	273.63	277.61	269.22	310.21	296.80	311.61	432.89	466.64	443.44	337.67	300.09	298.54	307.95	281.51	287.26	436.70	454.86	410.48	0.00	0.00	0.26	0.00
ILMN_1223070	Chst11	NM_021439.2	193.87	183.88	178.21	190.32	234.62	199.04	312.42	339.73	299.02	132.31	135.20	165.58	104.66	126.87	144.47	232.74	212.24	192.47	0.19	0.00	0.29	0.01
ILMN_2567962	A130019H11Rik	AK037444	24.38	28.25	38.30	31.23	23.60	49.96	44.73	50.89	48.20	31.86	35.69	28.54	22.10	37.91	38.13	36.79	49.25	45.48	0.63	0.02	0.91	0.05
ILMN_2957036	Rnf185	NM_145355.2	471.69	442.33	488.20	518.53	461.59	590.23	763.75	695.02	876.17	559.56	565.98	569.93	611.43	603.01	566.02	831.81	854.27	753.28	0.23	0.00	0.12	0.00
ILMN_1238511	4930402H24Rik	AK015050	71.26	67.33	80.78	84.61	72.78	87.00	103.00	131.17	149.18	85.03	68.70	84.86	81.83	71.17	80.00	110.60	108.28	94.34	0.23	0.02	0.78	0.03
ILMN_1223852	9830165L15Rik	AK036713	143.92	158.35	154.22	157.16	178.65	171.65	223.58	215.38	271.12	159.24	144.60	146.83	184.75	161.27	134.70	224.77	208.85	199.95	0.09	0.01	0.54	0.00
ILMN_2703913	Mtf2	NM_013827	2455.01	2623.51	2083.02	2675.61	2695.33	2541.93	3859.46	3961.70	3373.07	2629.74	2474.06	2630.85	2856.00	2793.94	2800.73	3166.21	3654.61	3853.18	0.21	0.01	0.01	0.01
ILMN_2529490	Zyg11b	NM_001033634.2	25.91	32.07	20.00	20.00	28.54	39.66	45.92	43.09	62.49	33.89	27.70	28.82	40.00	38.02	21.45	47.63	44.33	35.92	0.64	0.02	0.65	0.03
ILMN_2658407	Elmo1	NM_198093.2	562.52	569.52	550.07	617.32	597.58	650.41	1003.36	899.39	896.41	647.21	612.61	475.49	574.28	503.18	466.18	871.47	798.29	702.31	0.02	0.00	0.36	0.04
ILMN_1232512	scl0004023.1_57		20.91	34.07	22.22	27.03	32.44	24.28	35.06	45.28	51.62	31.51	48.86	34.65	36.05	35.89	46.72	24.78	56.59	48.07	0.67	0.05	0.86	0.68
ILMN_1239550	6430407D20Rik	AK018273	70.77	62.75	81.27	78.53	66.85	92.32	136.09	111.02	135.86	101.51	74.91	78.54	85.67	89.55	83.97	119.77	116.75	111.45	0.45	0.00	0.88	0.02
ILMN_1237430	Phlpp	XM_900133.2	25.64	41.42	34.94	41.84	40.70	29.15	61.90	59.56	59.91	54.87	45.77	44.36	42.22	44.36	45.55	64.13	60.04	64.11	0.63	0.00	0.28	0.02
ILMN_2865558	Vps33a	NM_029929.2	928.03	1032.45	1082.23	1082.06	1004.12	1268.02	1377.82	1590.43	1991.23	1170.27	993.02	1016.42	1200.15	1040.54	1025.03	1608.92	1566.04	1516.75	0.32	0.03	0.73	0.00
ILMN_1216313	Stim1	AK031003	85.83	78.24	67.76	79.57	92.44	82.06	134.88	121.21	131.34	75.50	75.41	77.96	63.06	83.76	70.72	120.79	90.40	86.27	0.32	0.00	0.57	0.10
ILMN_2827162	Plxdc1	NM_028199.2	20.00	20.00	20.00	20.00	26.32	20.00	43.17	55.09	49.83	20.00	20.00	20.00	20.00	20.00	20.00	24.52	44.45	44.56	0.37	0.00	1.00	0.06
ILMN_1256169	D430029B19Rik	AK085041	20.00	21.26	20.00	25.01	20.31	22.00	34.07	34.57	54.24	21.82	25.49	23.82	39.27	26.70	26.14	29.12	44.90	35.99	0.23	0.04	0.19	0.05
ILMN_2689784	Mcf2l	NM_178076.2	385.30	387.10	375.05	451.52	440.12	367.32	550.64	570.62	627.45	380.72	288.38	339.98	314.14	282.73	307.48	489.60	386.89	412.57	0.24	0.00	0.29	0.08
ILMN_2605457	Dock5	NM_172811.1	20.52	20.00	20.00	20.00	23.08	23.20	37.77	47.41	54.71	33.90	20.00	20.00	25.78	20.00	22.21	35.94	41.28	35.24	0.14	0.01	0.71	0.06
ILMN_1224799	Tctn3	NM_026260.2	20.00	24.37	25.07	20.00	25.74	30.93	51.60	54.27	46.42	22.80	37.06	20.60	27.74	35.91	31.66	21.20	31.86	34.80	0.53	0.00	0.43	0.73
ILMN_3121578	Ddef2	NM_001004364.1	20.00	20.00	29.13	20.00	20.21	37.38	33.45	38.93	50.09	20.00	20.00	32.53	28.40	30.09	21.15	35.34	36.86	31.41	0.69	0.04	0.66	0.08
ILMN_1240045	C630002L24Rik	AK049836	41.39	56.76	43.61	60.91	51.97	41.74	74.07	79.19	106.08	40.31	39.48	42.42	41.69	38.39	39.49	54.85	59.48	61.09	0.59	0.02	0.54	0.00
ILMN_2491914	Wdfy1	NM_027057	37.85	30.63	68.17	46.57	42.18	51.87	75.52	78.68	91.05	61.83	67.15	56.43	70.05	50.93	46.67	50.61	109.84	91.16	0.92	0.04	0.49	0.28
ILMN_3115640	Pibf1	NM_029320.2	178.70	196.85	192.54	193.59	202.55	222.29	279.53	307.22	323.78	237.67	168.02	186.44	259.97	198.33	208.34	308.75	274.83	233.57	0.17	0.00	0.43	0.07
ILMN_1251170	Aff4	NM_033565.1	253.73	251.31	268.72	285.06	253.88	304.30	346.79	463.49	539.15	295.88	165.16	217.90	244.60	196.06	195.97	370.48	322.72	307.28	0.21	0.03	0.75	0.07
ILMN_2596324	D6Wsu163e	NM_138594.3	411.15	407.56	457.21	437.02	404.50	555.89	573.54	685.81	756.24	473.07	390.54	359.86	482.17	429.99	449.23	654.20	558.30	519.61	0.45	0.01	0.28	0.03
ILMN_2773789	Pard6a	NM_019695.2	221.30	207.10	204.38	228.12	231.84	226.78	365.81	303.63	292.69	214.50	245.18	228.56	219.90	238.48	235.53	288.44	333.06	269.55	0.03	0.01	0.87	0.03
ILMN_1230396	Zc3h6	NM_178404.2	273.24	291.88	253.37	292.43	281.13	314.40	522.35	464.57	463.39	252.11	200.27	235.23	245.18	247.22	267.72	414.46	320.79	285.34	0.19	0.00	0.23	0.06
ILMN_1232525	Mrg1	AK045126	74.26	56.06	45.91	75.17	56.55	57.47	123.25	121.17	114.74	44.54	58.47	83.05	61.67	51.67	57.97	79.42	101.59	100.35	0.70	0.00	0.69	0.08
ILMN_2583351	D930042A21Rik	AK086621	50.36	75.20	85.75	73.72	71.04	78.80	103.38	101.29	130.53	81.11	70.19	69.11	76.54	78.13	72.82	125.72	96.29	74.86	0.72	0.04	0.60	0.17
ILMN_1249233	Birc6	AK038699	63.29	53.78	30.36	49.16	59.69	44.57	80.39	85.67	74.17	51.89	55.42	36.27	33.46	42.27	47.05	61.04	50.01	88.76	0.86	0.04	0.38	0.22
ILMN_2472192	Zfp639	NM_144519	1477.63	1227.62	1149.62	1337.71	1410.51	1390.47	1813.29	2213.04	1973.57	1285.38	1187.43	1250.66	1227.65	1218.81	1132.48	1659.76	1679.45	1637.85	0.40	0.01	0.31	0.00
ILMN_2619316	Prnp	NM_011170.1	9039.70	8520.49	8523.26	9375.66	8872.71	9884.80	13117.25	13779.19	14663.15	9325.14	9026.38	7632.81	9871.40	9199.82	8870.35	14533.95	12608.21	11198.60	0.11	0.00	0.34	0.02
ILMN_2681474	Lmtk2	NM_001081109.1	767.55	681.34	833.96	814.97	727.92	917.53	1020.33	1146.33	1502.29	926.96	940.96	986.96	972.75	912.45	825.87	1435.88	1411.06	1273.93	0.45	0.04	0.36	0.00
ILMN_3151345	Eif5	NM_173363.4	9656.52	8887.49	7711.50	10186.42	9055.04	8936.61	12783.09	13608.09	14203.27	9588.05	8597.87	8318.67	8647.81	7879.66	8161.81	13690.59	12777.91	10732.37	0.41	0.00	0.25	0.02
ILMN_2817883	Als2	NM_028717.2	325.79	324.35	439.12	348.04	345.27	478.83	488.34	541.90	687.89	442.57	455.64	401.26	425.51	447.18	414.00	673.97	563.79	587.00	0.66	0.04	0.83	0.01
ILMN_1248214	5730481H23Rik	AK036995	20.00	20.00	20.10	23.31	21.34	20.00	36.47	42.15	58.94	24.30	20.00	45.20	30.25	28.07	38.31	64.57	48.69	52.03	0.19	0.02	0.79	0.05
ILMN_2690107	Snx25	NM_207213.1	58.59	83.05	98.83	89.59	79.00	84.09	116.88	123.84	127.34	81.74	74.19	65.77	88.88	72.79	69.16	102.39	118.66	103.07	0.75	0.02	0.71	0.01
ILMN_2418524	Numb	NM_010949	1033.38	1004.65	894.13	1082.34	1012.14	1047.68	1340.71	1363.25	1908.91	1022.55	947.44	1020.98	1016.57	965.71	1075.64	1343.37	1359.64	1276.54	0.21	0.04	0.61	0.00
ILMN_3134607	Trim3	NM_018880.2	495.24	483.50	506.05	517.96	493.11	584.76	711.31	668.47	968.63	566.79	456.84	516.94	550.07	458.24	494.06	688.82	660.33	579.57	0.26	0.04	0.77	0.05
ILMN_2688236	Atp2a3	NM_016745.2	20.00	20.00	26.03	20.00	20.00	32.06	42.31	38.72	50.88	25.87	20.15	20.00	33.90	20.28	24.93	84.94	47.19	41.13	0.68	0.01	0.38	0.06
ILMN_1220007	A130017C09Rik	AK037420	59.42	71.37	62.60	63.71	68.57	74.78	88.61	120.23	119.49	98.11	63.40	61.95	61.64	63.29	65.45	82.39	82.81	83.85	0.40	0.02	0.41	0.51
ILMN_1243664	C230029D21Rik	NM_177116	77.69	52.88	58.07	64.94	61.86	72.97	123.07	116.10	83.50	78.81	72.45	71.18	77.55	59.03	66.99	116.35	94.15	99.99	0.68	0.04	0.34	0.01
ILMN_2670022	Fermt2	NM_146054.2	5021.38	4797.35	4689.98	5335.06	4965.46	5197.62	8119.39	7124.09	7370.38	4773.40	4505.83	4175.34	4335.06	4105.74	4109.77	6453.08	6002.08	5799.96	0.09	0.00	0.19	0.00
ILMN_1248187	Ascc3	XM_125617.7	964.43	1030.37	863.85	1032.97	1059.02	953.01	1388.56	1484.51	1406.69	989.63	827.79	856.43	950.44	836.70	797.77	1301.73	1133.56	1165.00	0.34	0.00	0.68	0.01
ILMN_2960750	Traf6	NM_009424.2	458.83	456.05	565.45	498.63	460.50	623.94	715.27	711.89	932.33	635.12	487.44	472.27	555.69	499.21	494.74	791.77	799.58	729.27	0.61	0.02	0.80	0.01
ILMN_2685873	Wdr32	NM_153167.2	426.68	396.87	357.46	451.47	434.58	373.32	580.53	627.54	732.19	348.11	307.82	348.49	397.32	340.84	334.38	505.67	452.41	465.20	0.45	0.01	0.40	0.00
ILMN_2958894	D6Wsu163e	NM_138594.2	557.90	540.23	597.53	558.08	600.58	650.06	857.25	863.84	1032.71	568.11	513.56	545.37	540.79	532.14	589.72	800.66	802.81	701.87	0.30	0.00	0.65	0.00
ILMN_2655429	Zfp12	NM_177681.3	893.21	852.32	1032.50	952.61	916.79	1088.49	1434.03	1411.15	1991.71	1040.19	873.69	894.14	1071.90	985.80	1063.41	1489.57	1431.26	1206.22	0.47	0.03	0.15	0.01
ILMN_2576142	A830025K10Rik	AK043725	97.02	105.12	101.62	99.10	101.43	124.68	165.66	196.18	174.83	103.86	89.01	95.95	114.24	90.09	93.88	160.99	136.78	123.20	0.45	0.00	0.74	0.02
ILMN_2684234	Tlr4	NM_021297.1	365.87	365.95	299.36	396.22	348.30	351.10	525.46	527.70	587.74	326.27	306.02	306.68	352.67	290.71	291.70	590.83	447.79	366.11	0.47	0.00	0.96	0.08
ILMN_2635491	Papd4	NM_133905.1	351.38	364.73	403.48	388.25	383.13	418.46	548.80	592.34	632.14	488.97	439.65	364.25	429.76	405.86	381.09	606.24	575.17	585.70	0.29	0.00	0.55	0.01
ILMN_1222324	Terf2	AK042508	48.76	56.12	36.16	49.82	49.04	48.73	88.92	85.31	103.84	60.58	54.68	53.66	52.84	57.05	67.14	77.22	94.28	80.40	0.73	0.00	0.60	0.01
ILMN_1223591	Zfp202	NM_030713.1	213.20	166.49	188.23	179.71	186.38	239.76	264.46	296.48	350.23	220.29	165.07	189.55	231.99	193.52	180.27	310.08	280.12	240.43	0.62	0.02	0.67	0.03
ILMN_2741189	Fchsd1	NM_175684.4	240.89	214.06	303.47	261.08	245.03	293.94	373.87	386.99	474.28	273.63	234.38	262.78	314.89	243.46	253.52	426.01	380.43	320.88	0.67	0.02	0.62	0.02
ILMN_3161959	E130016E03Rik	NM_001039556.2	1799.61	1764.19	2024.81	1865.53	1883.61	2197.05	2928.00	2734.74	3061.46	2202.04	1673.01	1733.33	1863.81	1783.41	1890.56	2501.52	2544.59	2323.41	0.43	0.00	0.90	0.03
ILMN_1217247	Metapl1	AK043123	236.56	244.59	213.85	251.66	234.93	251.03	396.81	329.30	324.28	222.79	223.94	204.27	232.37	232.28	203.89	370.96	310.21	265.34	0.26	0.01	0.64	0.03
ILMN_2958099	Adssl1	NM_007421.1	313.51	329.04	365.50	357.84	320.78	392.28	459.44	474.31	624.85	440.44	362.26	407.26	453.74	370.91	405.42	590.67	485.13	494.01	0.46	0.03	0.85	0.04
ILMN_1228489	Hmg20a	AK017716	383.01	372.22	338.32	389.31	380.37	387.72	608.40	573.07	479.19	407.58	397.93	384.87	359.80	385.99	394.01	497.25	559.13	533.03	0.20	0.01	0.24	0.00
ILMN_2464253	Acvr1b	NM_007395.3	28.36	42.50	60.16	41.92	43.55	47.09	83.77	67.14	106.51	60.63	45.80	56.90	55.18	40.99	53.48	79.90	97.03	64.00	0.96	0.05	0.51	0.07
ILMN_3161612	Ireb2	NM_022655.2	280.29	252.24	266.93	256.54	285.92	304.28	425.08	363.26	562.21	307.50	291.59	281.06	304.41	294.02	282.32	434.87	423.79	419.42	0.38	0.04	0.98	0.00
ILMN_1252283	Tulp4	NM_054040.2	1977.12	2018.07	2012.34	2232.15	2131.28	1995.90	2890.40	3133.69	3247.02	1979.33	2534.67	2397.14	2246.29	2492.77	2459.12	3150.79	3384.12	3318.21	0.17	0.00	0.63	0.01
ILMN_2564539	Scly	AK036533	148.94	147.47	156.22	189.76	186.75	114.05	234.82	253.64	208.79	130.53	138.46	201.34	174.88	152.83	186.89	215.24	223.11	227.45	0.64	0.00	0.58	0.05
ILMN_2687744	Rnf167	NM_027445.1	100.54	102.14	161.81	95.92	111.45	182.88	212.40	186.93	251.90	153.37	156.45	156.26	168.94	167.20	137.68	233.83	252.84	211.81	0.81	0.03	0.81	0.00
ILMN_1251071	Ypel5	NM_027166.5	1241.71	1313.98	1223.74	1310.84	1228.23	1458.75	1818.54	2010.98	2089.13	1496.85	1441.22	1404.46	1543.18	1283.30	1341.24	2177.54	2211.46	1964.70	0.37	0.00	0.52	0.00
ILMN_1250535	Tube1	XM_125543.4	66.65	83.86	72.26	85.34	68.62	80.98	152.55	156.91	104.47	55.36	56.54	74.63	48.43	73.70	76.47	85.05	93.81	89.83	0.60	0.02	0.73	0.02
ILMN_1233234	Phf20	NM_172674.2	1206.20	1267.00	1137.65	1336.52	1287.59	1184.66	1805.07	1859.45	2024.78	1066.27	1150.96	1185.81	1203.50	1132.38	1210.66	1645.17	1704.52	1587.45	0.32	0.00	0.33	0.00
ILMN_1231490	2410006H16Rik	XM_001479267.1	784.09	808.49	816.31	795.62	806.83	941.98	1296.67	1059.17	1526.00	946.74	996.31	880.11	954.51	1002.07	915.73	1224.83	1338.00	1146.06	0.40	0.02	0.72	0.01
ILMN_2552473	Jak1	AK033004	34.01	41.89	39.61	46.11	47.64	29.87	68.38	77.03	77.14	27.78	34.20	26.98	29.26	28.58	23.84	34.76	50.43	53.75	0.68	0.00	0.44	0.06

ILMN_1246450	Zscan12	NM_016684.2	906.79	947.65	973.88	943.17	950.04	1079.58	1313.19	1336.26	1611.80	1065.48	871.35	879.18	1075.86	895.76	891.39	1443.50	1348.28	1205.26	0.38	0.01	0.87	0.01
ILMN_1243157	D330016G23Rik	AK084573	20.62	21.01	20.00	20.00	24.84	20.00	45.04	42.94	56.45	20.40	20.00	29.13	20.00	20.00	20.00	34.01	50.61	29.94	0.55	0.00	0.35	0.10
ILMN_2733933	Narg1l	NM_025832.2	443.83	451.50	451.13	440.51	491.28	477.92	638.78	768.12	822.78	411.78	354.03	402.64	411.95	368.57	436.08	601.78	557.56	579.75	0.24	0.01	0.58	0.00
ILMN_2555964	Dysf	AK034587	20.82	20.00	26.81	20.00	23.56	27.08	40.82	32.03	35.53	31.21	24.31	25.54	32.27	27.83	20.00	53.88	50.03	30.81	0.75	0.02	0.94	0.07
ILMN_2770725	Slc7a2	NM_001044740.1	81.34	90.75	64.35	78.24	94.82	73.15	123.80	163.53	115.18	67.64	64.80	60.43	81.24	81.94	84.53	89.16	92.55	103.81	0.76	0.03	0.00	0.00
ILMN_1253966	Pfkfb2	NM_008825.3	457.50	401.95	358.62	427.77	435.04	403.24	626.72	579.03	625.22	346.55	326.26	370.90	345.37	382.34	393.12	472.43	398.54	426.26	0.62	0.00	0.26	0.03
ILMN_2619922	Phkg2	NM_026888.2	155.78	154.27	173.71	142.63	149.55	221.66	211.03	230.68	290.04	220.48	201.91	204.85	204.13	198.18	185.05	246.75	275.84	285.29	0.72	0.03	0.17	0.01
ILMN_1214647	Phf20	NM_172674.2	1485.66	1469.03	1062.06	1505.09	1519.97	1147.09	2080.65	2231.83	1791.14	1159.58	1306.16	1207.54	1236.04	1358.78	1274.38	1813.17	1630.00	1638.46	0.79	0.02	0.31	0.00
ILMN_2609073	Mgat4b	NM_145926.2	503.97	496.53	563.17	521.98	479.94	634.36	731.20	795.86	970.79	725.26	677.72	591.14	725.31	621.91	691.65	906.24	840.20	721.40	0.66	0.01	0.78	0.08
ILMN_1240347	D930049D10Rik	AK053096	82.28	84.95	52.76	90.32	79.52	57.70	133.92	138.12	129.07	56.71	60.39	72.70	66.08	64.63	70.45	94.70	83.94	102.17	0.87	0.00	0.50	0.01
ILMN_2611027	Pmm1	NM_013872.2	599.05	675.15	812.62	706.50	709.46	735.94	1002.47	957.38	1231.82	748.13	898.58	978.35	1009.23	1013.79	1120.70	1147.66	1262.42	1470.29	0.75	0.03	0.09	0.02
ILMN_2832608	Fvt1	NM_027534.1	223.25	257.09	324.72	266.18	272.59	288.03	366.41	425.62	452.66	333.33	327.83	289.59	350.50	350.61	335.29	438.75	452.36	470.51	0.82	0.02	0.12	0.00
ILMN_1230799	Ivns1abp	NM_054102.2	1110.07	1207.59	1116.27	1398.97	1287.39	930.66	1623.82	2024.97	1565.22	1315.43	1300.14	1112.04	1379.99	1449.33	1287.62	1813.12	1838.13	1761.97	0.69	0.02	0.18	0.00
ILMN_2473066	LOC100047419	XM_001478110.1	488.54	615.75	533.64	548.53	618.57	529.63	915.89	930.63	979.97	443.75	485.59	456.97	503.66	466.32	500.43	532.48	538.72	487.77	0.69	0.00	0.18	0.05
ILMN_2652518	Atg2b	NM_029654.4	1162.90	1086.65	781.52	1051.27	1143.76	917.57	1689.11	1653.54	1258.41	945.61	1041.08	997.38	1026.59	1076.56	932.41	1261.72	1562.40	1417.81	0.85	0.04	0.75	0.01
ILMN_2777437	Fzd3	NM_021458	34.76	34.76	29.69	33.20	39.29	30.66	53.04	56.10	71.83	40.98	39.81	49.08	61.66	37.59	41.16	57.86	71.23	59.79	0.69	0.01	0.68	0.02
ILMN_2529395	Fbxo10	XM_194139.6	1190.62	1136.93	1415.04	1147.47	1281.09	1450.29	2021.90	2033.54	2513.53	1463.83	1299.24	1316.89	1518.99	1449.87	1402.31	2199.18	1916.50	1834.07	0.73	0.01	0.19	0.01
ILMN_3132898	Ypel3	NM_025347.1	1726.90	1785.95	2127.52	1794.68	1850.57	2185.24	2767.72	2607.01	3509.62	1909.59	1715.24	1770.98	2139.94	2080.30	2167.86	2273.71	2294.34	2334.93	0.73	0.02	0.01	0.00
ILMN_2657822	Stat2	NM_019963.1	105.87	115.76	99.88	125.02	115.70	93.49	180.07	169.04	152.71	94.67	112.20	105.30	74.41	111.23	109.15	83.24	124.40	107.20	0.71	0.00	0.68	0.95
ILMN_2979248	Tmed8	NM_001033475.1	258.58	273.00	202.06	262.05	257.85	232.87	360.78	361.68	373.65	211.45	246.37	250.24	245.71	209.95	249.31	322.22	316.27	330.22	0.80	0.01	0.96	0.00
ILMN_2696199	Prosc	NM_054057.1	231.53	247.11	214.34	224.30	295.47	204.08	376.61	374.59	316.14	254.02	285.54	257.50	225.75	279.73	292.24	436.74	366.99	388.70	0.74	0.00	0.99	0.00
ILMN_1219437	C230021J06Rik	AK048720	28.43	29.89	33.79	33.46	35.68	26.52	48.62	46.13	53.13	38.69	27.39	32.53	40.28	34.74	28.39	32.56	42.99	44.17	0.73	0.00	0.75	0.23
ILMN_1252737	Vps35	NM_022997.4	8164.10	8392.58	6225.31	8226.39	8295.03	6877.19	13007.58	13487.96	11260.64	7510.39	7778.88	7689.45	7714.25	7161.59	7416.00	11815.25	11323.18	10213.01	0.82	0.01	0.27	0.00
ILMN_1252310	Dnmt3b	NM_001003963.2	363.98	344.82	391.70	358.83	385.01	390.88	528.45	581.56	716.83	436.93	349.05	390.49	443.40	405.04	391.17	615.91	467.84	539.30	0.53	0.01	0.52	0.04
ILMN_1228338	Eps15	NM_007943.2	315.38	333.48	293.97	355.88	311.83	302.72	483.16	488.29	512.33	309.71	345.77	310.91	321.33	316.56	282.65	446.99	508.21	454.53	0.67	0.00	0.42	0.00
ILMN_2958159	Eno1	NM_023119.1	7346.64	8977.30	8433.72	9305.27	8171.30	7945.45	13032.92	13676.03	13244.17	11212.88	9822.23	9665.82	9624.27	10925.38	8744.52	13972.39	14179.01	12951.85	0.75	0.00	0.59	0.01
ILMN_2681583	Npal3	NM_028995.3	70.77	70.54	68.69	73.67	68.18	74.05	127.46	81.88	112.84	103.91	88.56	82.26	86.85	92.43	92.29	103.68	106.04	123.31	0.38	0.05	0.88	0.09
ILMN_1239398	LOC100046817	XM_001476849.1	85.02	97.09	108.10	96.40	82.53	121.22	162.17	145.51	191.77	126.71	105.30	119.27	128.62	112.21	101.83	206.07	161.50	160.22	0.81	0.01	0.79	0.02
ILMN_2427971	1110029I05Rik	XM_001481271.1	325.22	367.13	322.21	333.01	358.67	348.07	455.83	536.70	547.27	282.39	282.65	292.60	350.12	316.06	311.16	377.99	394.00	354.11	0.63	0.01	0.03	0.00
ILMN_2637156	Fpgt	NM_029330.2	393.89	387.76	377.78	419.66	362.19	409.92	538.63	585.45	648.11	362.26	290.27	336.94	379.27	332.78	358.60	477.31	495.10	425.10	0.59	0.00	0.34	0.01
ILMN_2421179	Rhobtb1	NM_001081347.1	1066.76	1104.57	1015.43	1162.24	1183.02	937.61	1786.72	1782.61	1553.18	989.92	934.66	805.23	1027.43	851.63	924.49	1240.83	1381.13	1151.04	0.72	0.00	0.76	0.02
ILMN_2536687	LOC383077	XM_356845.1	219.24	236.53	230.40	216.36	258.06	229.98	384.29	351.49	303.52	235.23	218.16	212.08	279.35	263.73	291.15	343.00	269.74	263.45	0.67	0.01	0.01	0.06
ILMN_1244721	Vps13a	NM_173028.3	93.08	92.31	110.11	97.18	94.82	110.18	143.26	162.84	178.90	107.72	87.81	92.19	107.89	96.18	88.59	133.68	137.49	121.24	0.78	0.01	0.85	0.01
ILMN_3154869	Ctdspl2	NM_212450.1	111.15	70.56	109.97	83.97	83.24	131.80	168.43	170.63	149.78	129.41	110.12	126.36	102.99	94.85	116.20	210.30	148.59	159.19	0.91	0.01	0.12	0.06
ILMN_1234461	Zbtb24	NM_153398.2	524.93	547.22	659.57	560.77	477.78	754.24	848.58	748.11	1033.32	535.92	504.33	488.74	532.55	533.13	523.87	729.99	803.61	724.19	0.84	0.03	0.23	0.00
ILMN_2703321	Ankzf1	NM_026187.4	249.96	257.48	203.61	241.25	295.44	195.98	427.01	429.62	352.77	229.73	216.26	215.08	274.88	243.20	315.17	347.10	309.38	310.87	0.84	0.01	0.05	0.00
ILMN_2956743	Narg1l	NM_025832.2	1014.70	978.41	990.05	1090.70	930.26	1030.76	1366.70	1396.53	1825.57	975.14	978.45	861.28	981.54	905.34	857.25	1325.38	1304.52	1226.43	0.66	0.02	0.68	0.00
ILMN_1220312	E230008O15Rik	AK053983	51.63	49.74	57.17	39.94	56.93	68.18	77.22	66.73	99.33	57.41	48.70	60.56	74.97	56.92	47.64	64.29	56.77	95.12	0.81	0.05	0.65	0.25
ILMN_2613641	LOC100045617	XM_001474613.1	2664.07	2552.29	2168.35	2730.73	2641.77	2155.71	4282.36	4234.08	4050.41	2679.22	2432.72	2683.02	2554.61	2429.87	2298.50	4006.44	3542.19	3818.60	0.85	0.00	0.20	0.00
ILMN_2741006	1700021K19Rik	NM_172615.3	374.45	410.19	452.86	399.68	420.61	435.21	567.59	621.93	692.39	472.51	417.51	414.66	462.98	409.38	378.57	660.95	531.35	547.09	0.82	0.01	0.59	0.03
ILMN_2596056	Zfp508	XM_989242.1	404.54	462.67	397.94	415.99	484.83	388.17	609.17	671.50	670.84	376.41	413.84	403.52	401.38	365.53	378.46	649.91	528.09	531.69	0.83	0.00	0.35	0.01
ILMN_2569440	A430083I17Rik	AK040290	31.12	21.68	40.01	31.75	33.76	26.39	49.00	77.32	88.82	28.59	23.69	42.89	33.16	30.04	33.83	40.89	62.90	48.58	0.96	0.03	0.92	0.09
ILMN_1222598	LOC381739	XM_358649.1	954.76	1065.98	931.53	1008.69	969.17	1012.40	1387.30	1691.52	1787.66	989.93	989.17	952.05	927.05	906.38	916.00	1254.37	1290.80	1413.94	0.79	0.01	0.01	0.00
ILMN_2692454	Pias4	NM_021501.3	362.58	480.40	423.25	342.87	428.59	523.36	724.69	687.53	719.18	496.06	452.65	516.53	439.29	463.94	441.46	704.02	694.66	793.89	0.89	0.00	0.12	0.00
ILMN_2767113	Tgif1	NM_009372.2	20.00	35.53	20.00	23.53	20.00	31.51	67.54	76.10	63.42	64.26	32.95	30.20	32.26	33.89	32.22	90.93	99.07	57.21	0.98	0.00	0.43	0.08
ILMN_2901284	Add3	NM_013758.2	2253.42	2273.50	2311.87	2296.63	2282.85	2342.66	3695.24	3655.23	3966.03	2045.13	1968.99	1939.21	2012.40	1966.03	1904.60	3220.71	2784.83	2392.75	0.33	0.00	0.63	0.03
ILMN_2755511	BC039210	XM_001481316.1	887.92	826.70	604.94	833.03	878.19	628.63	1175.64	1280.64	1152.19	838.69	762.82	875.00	651.94	716.89	766.25	1083.86	1236.21	1290.29	0.96	0.01	0.07	0.01
ILMN_1256175	Pcmtd1	NM_183028.3	186.65	139.81	137.39	151.44	169.01	144.92	316.19	257.10	250.60	154.74	157.46	150.73	164.17	170.45	175.38	203.28	231.53	204.58	0.98	0.01	0.01	0.00
ILMN_1220276	Akap10	NM_019921.2	155.24	173.19	175.06	176.72	129.33	212.84	232.96	282.85	320.03	188.82	181.15	158.96	189.47	168.26	171.58	264.06	229.32	206.09	0.85	0.01	0.99	0.04
ILMN_1239610	C130021C16Rik	AK081492	30.52	29.14	20.00	28.52	32.20	20.00	53.46	61.38	44.95	20.00	20.00	20.73	20.00	20.00	34.31	22.97	38.89	48.14	0.95	0.01	0.40	0.09
ILMN_2801404	Clk3	NM_007713.3	486.43	510.80	596.04	503.20	486.67	620.45	780.06	704.85	966.76	613.30	571.25	594.08	518.90	562.98	589.34	956.28	869.96	787.20	0.92	0.03	0.21	0.01
ILMN_1232016	Cbx8	NM_013926.1	280.56	266.36	256.21	300.62	243.89	267.32	453.35	374.84	382.68	251.81	289.94	264.07	237.88	260.45	274.27	380.95	381.43	368.05	0.88	0.01	0.51	0.00
ILMN_2709051	BC049806	NM_172513.2	221.18	199.94	198.04	227.06	212.26	185.09	295.51	282.86	359.42	221.30	211.08	207.73	248.58	221.21	219.39	244.34	276.96	272.57	0.91	0.01	0.19	0.01
ILMN_1257965	Ldha	NM_010699.1	9367.36	9181.22	8399.03	9269.86	8860.05	8859.83	15822.26	14958.55	15925.23	9052.62	9694.60	9689.23	8495.47	9444.37	8640.53	14378.20	14218.89	12799.21	0.97	0.00	0.16	0.00
ILMN_1227900	Il12rb1	NM_008353.1	20.00	20.00	20.00	20.00	20.00	20.00	30.80	28.49	35.72	36.64	20.00	22.11	29.76	33.74	25.24	78.33	43.18	42.07	1.00	0.01	0.60	0.10
ILMN_1237356	LOC382163	XM_356263.1	20.00	20.00	20.00	20.00	20.00	20.00	35.93	30.26	35.46	34.23	20.00	20.00	31.98	23.75	24.46	34.06	36.82	33.63	1.00	0.00	0.73	0.11
ILMN_1253270	D430030C18Rik	AK052464	20.00	20.00	20.00	20.00	20.00	20.00	44.96	72.48	47.53	20.00	20.00	20.00	20.00	23.23	20.00	24.19	64.74	71.87	1.00	0.02	0.37	0.09
ILMN_2573998	D230007L07Rik	AK051835	20.00	20.00	20.00	20.00	20.00	20.00	28.05	36.54	31.78	20.00	20.00	20.00	20.13	21.42	20.00	20.00	28.45	23.46	1.00	0.01	0.32	0.18
ILMN_2510418	scl0003608.1_34	AK033867.1	20.00	20.00	20.00	20.00	20.00	20.00	27.16	27.03	37.45	20.00	20.00	20.00	21.06	20.00	20.00	48.04	20.00	25.42	1.00	0.04	0.37	0.26
ILMN_2782101	Egln3	NM_028133.1	20.00	20.00	20.00	20.00	20.00	20.00	63.12	78.80	41.88	20.00	20.00	20.00	20.00	20.24	20.00	20.00	26.89	47.82	1.00	0.02	0.37	0.24
ILMN_2906728	H19	NR_001592.1	20.00	20.00	20.00	20.00	20.00	20.00	44.35	32.90	26.75	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	1.00	0.05	1.00	1.00
ILMN_1232469	B130024G19Rik	XR_035360.1	20.00	20.00	20.00	20.00	20.00	20.00	36.66	30.10	31.36	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	24.83	1.00	0.00	1.00	0.37
ILMN_1222019	6430540A14Rik	AK078251	20.00	20.00	20.00	20.00	20.00	20.00	28.49	38.55	32.56	30.56	20.00	21.16	20.00	24.54	20.00	49.63	28.09	36.23	1.00	0.01	0.55	0.12
ILMN_2760211	Tfdp2	NM_178667.3	492.64	546.09	544.88	564.30	597.76	432.15	827.29	796.14	805.00	502.64	524.31	525.32	491.36	507.79	539.87	778.64	758.53	703.80	0.95	0.00	0.80	0.00
ILMN_1253604	Jarid1c	NM_013668.2	23.68	20.00	26.25	20.00	20.13	30.67	48.78	39.45	60.98	22.47	33.79	27.16	20.00	27.71	30.93	30.73	48.81	38.85	0.95	0.02	0.75	0.13
ILMN_2600465	Phactr4	NM_175306.3	2435.09	2530.32	2291.73	2414.23	2419.31	2392.02	3869.28	3775.65	3473.05	2556.43	2105.05	2217.87	2466.19	2074.84	2389.90	3438.86	2946.04	3222.64	0.89	0.00	0.93	0.01
ILMN_2685390	Bcl7b	NM_009745.1	66.41	75.84	96.76	70.92	78.02	87.13	109.80	115.39	130.36	118.43	79.35	76.28	75.44	95.23	95.78	111.60	150.08	134.35	0.93	0.02	0.87	0.08
ILMN_2765989	Otub2	NM_026580.3	68.12	78.31	87.38	62.03	79.27	93.65	126.44	107.94	132.09	94.66	73.68	76.23	100.30	67.91	80.39	119.85	125.37	109.54	0.97	0.01	0.91	0.01
ILMN_1240894	6030443O07Rik	NM_001081225.1	34.33	31.67	27.20	27.04	27.80	38.62	46.28	44.42	60.84	37.69	31.52	32.21	20.33	30.39	31.36	44.00	54.06	39.32	0.99	0.03	0.18	0.07
ILMN_1257444	Slc37a1	AK028984	118.77	117.27	162.10	108.92	128.50	157.75	255.14	215.45	218.68	124.75	116.76	145.83	91.97	111.96	104.65	202.15	207.29	154.19	0.96	0.01	0.07	0.04
ILMN_1248432	Nek1	XM_973899.1	352.75	318.87	395.22	369.04	330.10	356.58	490.34	525.50	630.59	321.93	320.60	335.37	339.04	363.95	336.98	456.22	509.82	397.74	0.89	0.02	0.10	0.02
ILMN_1248791	Sntb2	AK040413	152.42	164.15	141.00	174.12	150.63	131.21	298.03	285.67	207.01	131.55	122.71	153.08	127.36	136.35	119.63	194.18	201.17	201.34	0.97	0.02	0.48	0.00
ILMN_2512206	Wsb2	NM_021539.4	5338.29	5481.81	5366.98	5214.05	5226.82	5613.64	7934.97	8183.70	9273.44	6353.22	5353.10	5907.87	5665.17	4973.54	5443.95	8753.57	8210.53	8589.85	0.77	0.00	0.22	0.00
ILMN_2516124	A930039N10Rik		143.38	142.88	144.82	144.45	141.15	141.45	178.02	236.37	245.22	157.60	129.43	133.17	137.62	132.65	133.30	228.29	202.13	196.05	0.33	0.02	0.57	0.01
ILMN_2662885	B230120H23Rik	NM_023057.1	42.81	41.91	37.16	48.53	45.26	29.46	66.41	58.28	60.01	39.74	46.49	48.51	56.30	44.66	51.72	40.38	63.32	67.47	0.94	0.00	0.24	0.24
ILMN_1260532	Jarid1a	XM_359326.6	222.83	196.53	241.85	197.24	204.83	253.88	306.89	316.89	401.82	248.79	198.49	179.25	266.43	212.71	206.56	381.16	288.69	256.78	0.94	0.02	0.52	0.08
ILMN_1231129	Wasl	NM_028459.1	2582.80	2374.63	2327.04	2421.23	2303.07	2468.91	3936.92	3659.38	3480.16	2281.81	2430.80	2159.66	2483.90	2228.77	2194.91	3411.34	3223.53	2837.42	0.76	0.00	0.93	0.01
ILMN_1228707	5730406M06Rik	XM_283936.2	668.82	607.44	606.69	665.57	674.40	522.96	986.13	1074.73	907.34	617.39	563.23	787.19	653.40	636.36	713.15	770.18	978.97	889.77	0.91	0.00	0.88	0.07
ILMN_2431150	Eef2k	NM_007908	64.62	72.76	94.33	77.61	75.71	71.61	131.45	115.26	142.65	119.28	78.88	68.80	135.29	109.31	107.96	174.23	125.95	121.41	0.82	0.01	0.18	0.09
ILMN_1255193	A630034I12Rik		151.32	139.37	118.30	138.76	138.23	123.24	170.48	253.37	216.52	108.22	132.77	126.05	126.89	128.39	123.04	177.80	169.11	179.77	0.80	0.04	0.64	0.00
ILMN_2632890	Atp5j	NM_016755.2	28.00	20.00	25.72	20.00	23.96	28.40	34.34	35.51	41.52	20.00	36.04	50.73	24.74	50.15	42.07	20.00	33.77	36.39	0.90	0.02	0.78	0.62
ILMN_2749037	Ndg2	NM_175329.3	149.40	147.96	149.67	157.63	138.34	143.19	248.23	221.32	329.84	170.11	107.77	148.67	158.05	107.90	111.95	214.84	204.81	175.27	0.68	0.02	0.54	0.06
ILMN_2702215	Eif4a2	NM_013506.1	1463.14	1519.49	1180.16	1469.63	1402.26	1200.01	2215.68	2336.56	1803.82	1371.16	1303.79	1136.73	1156.83	1118.90	1083.28	1919.14	1730.91	1719.92	0.83	0.02	0.11	0.01
ILMN_2663585	Jdp2	NM_030887.2	801.27	832.88	902.42	882.80	766.57	838.11	1097.18	1259.79	1499.13	834.57	865.09	1028.34	875.40	810.38	982.79	1418.23	1358.71	1250.32	0.74	0.02	0.81	0.01
ILMN_2792877	Zcchc4	NM_030185.1	20.00	20.00	24.95	20.00	23.44	20.00	35.79	28.86	42.21	46.39	20.00	20.16	28.52	20.00	21.17	34.73	31.77	23.78	0.81	0.03	0.57	0.90
ILMN_2543108	2310047D13Rik	XM_282971	805.77	765.55	898.89	761.05	748.92	910.94	1139.65	1306.81	1485.19	860.00	851.45	867.13	785.01	761.51	803.24	1196.24	1386.98	1251.70	0.81	0.01	0.00	0.00
ILMN_2503508	Zfp628	NM_170759.2	63.59	52.80	68.57	59.16	55.96	64.33	94.69	86.87	119.57	50.36	60.81	69.13	78.45	51.46	65.72	127.37	86.93	81.80	0.74	0.02	0.62	0.07
ILMN_2455181	Tnfrsf10b	NM_020275.3	167.47	177.61	185.73	150.37	176.38	190.93	243.64	273.25	311.91	213.91	188.94	167.28	200.82	176.69	173.18	274.93	278.20	289.31	0.75	0.01	0.71	0.00
ILMN_1238094	Tfdp2	NM_178667.3	244.78	259.54	253.18	261.20	259.65	217.30	408.97	429.00	334.45	241.50	225.06	240.79	275.68	233.03	204.51	292.62	331.13	294.35	0.69	0.01	0.93	0.01
ILMN_1215660	Dmtf1	AK030508	171.99	155.97	155.91	174.94	152.80	143.22	255.54	238.10	256.97	155.40	128.94	182.31	172.60	140.90	160.28	220.97	207.39	191.48	0.71	0.00	0.90	0.04
ILMN_2589819	Rabggtb	NM_011231.1	2412.10	2321.76	3025.61	2473.68	2273.02	2747.50	3769.31	3753.99	4376.68	3072.26	3228.53	3264.00	2781.34	2636.87	2746.74	4877.25	4652.79	4309.09	0.75	0.01	0.00	0.00
ILMN_2503655	D2Bwg1423e	XM_001477269.1	156.90	183.81	148.60	167.64	169.66	136.89	272.87	279.36	204.56	156.28	161.10	194.53	165.02	166.99	190.83	266.80	252.32	239.71	0.75	0.03	0.82	0.00
ILMN_1225047	6030408C04Rik	NM_001015099.1	232.52	202.91	165.17	214.59	231.89	142.28	333.71	295.71	286.52	195.38	176.32	178.56	180.56	188.63	176.09	240.92	257.49	254.34	0.91	0.01	0.83	0.00
ILMN_2455447	A930026I22Rik		107.97	107.26	134.90	85.55	132.93	124.17	198.41	193.30	172.84	155.32	155.62	112.77	135.76	131.82	121.03	217.97	171.26	154.39	0.89	0.00	0.48	0.17
ILMN_2718681	Arfgef1	XM_001473166.1	52.22	47.28	42.23	50.33	45.08	41.52	89.20	84.05	71.99	37.53	47.25	46.94	27.53	32.87	43.79	48.56	61.63	50.15	0.70	0.00	0.19	0.14
ILMN_2651582	9630031F12Rik	NM_021416.2	20.00	20.00	22.14	20.00	20.00	20.00	36.44	33.06	52.54	20.00	20.00	20.00	27.95	20.99	20.00	55.24	35.05	28.11	0.37	0.03	0.30	0.08
ILMN_1257729	Invs	AK040307	125.33	105.83	102.87	103.07	97.68	122.39	178.64	178.00	192.32	129.55	88.58	95.98	126.23	89.96	93.02	145.48	112.88	155.63	0.74	0.00	0.93	0.14
ILMN_2584614	Tsc1	AK078140	20.00	20.38	21.79	20.00	20.00	20.00	36.36	50.57	53.01	33.26	20.00	20.00	23.42	20.00	20.00	26.43	51.77	32.30	0.25	0.01	0.51	0.23
ILMN_1240381	Plp1	NM_011123.2	33.84	32.86	20.00	30.43	32.32	20.00	56.02	60.00	45.01	20.00	41.83	40.85	20.00	33.24	28.31	22.86	28.57	37.74	0.83	0.02	0.43	0.62
ILMN_1250847	Plaa	AK081641	182.91	166.95	130.67	171.18	178.67	114.47	234.21	282.27	253.24	152.39	137.27	181.05	163.18	143.04	156.49	229.79	208.95	229.39	0.84	0.01	0.86	0.01
ILMN_2562725	C730013O11Rik	AK050083	64.75	63.83	44.10	69.12	56.46	40.89	85.95	94.22	76.12	63.20	61.31	48.95	42.43	65.61	50.12	72.49	73.51	97.66	0.85	0.03	0.57	0.07
ILMN_1251333	Gabarap	NM_019749.3	8355.73	8595.05	9340.69	8521.08	8307.78	8285.56	11767.80	13820.07	15499.27	8226.54	8368.74	9180.57	8914.38	8206.83	9252.90	11096.24	12012.86	11789.03	0.27	0.01	0.67	0.00
ILMN_1252464	Pcsk4	NM_008793.1	20.00	25.23	31.82	22.26	21.87	28.73	55.52	46.78	59.18	25.49	26.35	38.52	31.32	28.73	26.94	33.86	34.60	37.66	0.75	0.00	0.81	0.30
ILMN_1255013	Ilf3	NM_010561.1	2195.44	2174.48	1997.22	2137.51	2127.14	1812.77	3083.45	3682.64	3096.41	2251.06	2185.96	1951.81	2124.86	2091.23	1968.63	3397.19	3031.73	3090.61	0.48	0.00	0.54	0.00
ILMN_2854593	Zfp661	NM_028141.2	120.22	101.89	133.32	95.81	118.20	124.52	162.89	191.09	190.81	93.73	103.21	93.43	104.98	102.33	127.96	129.65	134.57	116.13	0.68	0.01	0.16	0.01
ILMN_1248444	BC002230	XM_484171.3	238.75	226.04	224.61	218.32	212.09	223.40	351.68	335.38	369.26	333.78	263.68	222.89	257.95	240.71	252.70	314.65	396.51	307.62	0.10	0.00	0.52	0.20
ILMN_2776047	En1	NM_010133	2386.99	2404.99	2153.28	2203.28	2398.45	1994.57	3614.19	3523.58	3288.42	1915.82	2147.35	2242.32	2172.59	2300.22	2407.22	3274.67	2627.33	2810.49	0.46	0.00	0.18	0.02
ILMN_1251488	A430041B07Rik	XM_922989.2	103.86	125.39	136.63	107.53	108.62	129.57	179.32	160.89	214.92	118.57	121.32	113.35	148.47	124.81	113.65	201.45	154.52	143.12	0.61	0.03	0.35	0.05
ILMN_1230798	Braf	XM_355754	59.29	41.48	46.16	59.94	53.01	29.50	80.12	89.27	61.68	26.30	40.04	56.35	46.76	37.72	48.59	35.06	60.46	51.75	0.90	0.04	0.73	0.51
ILMN_1239446	Alms1	NM_145223.2	75.88	93.51	90.97	81.36	86.58	75.51	136.62	134.67	140.19	91.87	62.28	78.14	83.48	67.97	87.58	100.29	81.84	84.52	0.43	0.00	0.84	0.33
ILMN_2751158	Herpud2	NM_020586.1	37.74	55.13	45.34	60.49	59.23	21.66	77.65	86.20	66.03	31.73	65.27	60.39	42.70	55.95	49.94	76.57	77.26	66.13	0.94	0.02	0.81	0.13
ILMN_2696711	Mmp11	NM_008606.2	197.92	221.33	289.29	182.93	201.02	282.40	431.35	427.90	676.62	327.94	267.04	277.25	266.18	251.07	251.09	355.15	407.43	399.23	0.75	0.03	0.15	0.02
ILMN_2450384	Vegfb	NM_011697.2	881.19	963.63	1190.35	936.79	880.95	997.12	1522.90	1514.93	1737.50	999.13	1099.31	1143.94	969.41	1080.57	1206.34	1514.77	1678.13	1540.27	0.50	0.01	0.96	0.00
ILMN_2641678	Bdh2	NM_027208.1	1733.79	1669.49	1403.44	1540.23	1614.93	1329.36	2779.72	2560.81	2160.85	1150.39	1250.48	1323.31	1205.95	1250.12	1502.64	1564.48	1601.58	1707.61	0.46	0.01	0.50	0.00
ILMN_2626051	A630082N15Rik	NM_177144.2	24.10	20.00	28.02	20.00	24.29	22.40	35.17	42.41	37.91	30.49	28.31	26.53	25.88	26.31	20.00	34.60	30.05	32.06	0.53	0.01	0.13	0.10
ILMN_1222560	Srgap2	XM_977299.1	223.22	259.02	271.51	218.71	234.42	245.77	393.13	388.40	379.48	271.94	283.51	291.39	293.25	276.03	261.62	373.25	385.71	372.33	0.33	0.00	0.65	0.00
ILMN_1252974	scl0002223.1_98	AK047780.1	27.62	20.00	20.00	22.16	20.00	20.00	40.51	31.72	39.81	20.00	20.00	20.00	20.00	24.99	20.78	21.71	34.47	22.36	0.53	0.02	0.28	0.21
ILMN_1250052	Tnks	NM_175091.3	23.51	24.68	51.76	20.00	25.26	47.20	68.34	64.24	72.60	59.58	37.29	40.57	25.57	43.07	29.45	55.94	65.22	54.28	0.85	0.02	0.21	0.18
ILMN_1220642	2310046M24Rik	AK050690	23.95	20.00	23.47	20.00	21.01	20.93	36.99	40.15	26.69	20.00	29.06	20.00	28.55	28.11	22.88	26.68	39.01	20.00	0.23	0.05	0.38	0.43
ILMN_1213620	A730028E04Rik	AK042829	49.62	58.68	75.19	64.19	38.83	68.74	112.04	105.67	150.88	80.66	51.62	55.30	72.49	58.62	64.40	90.07	83.15	86.30	0.76	0.02	0.80	0.06
ILMN_1228733	Herpud2	NM_020586.1	85.92	85.47	72.80	94.69	94.89	46.33	166.22	161.48	101.32	75.16	95.18	86.93	68.22	93.49	83.08	82.02	121.23	115.48	0.88	0.04	0.68	0.20
ILMN_1232861	Lrrfip1	NM_008515.3	53.27	54.01	47.78	44.97	52.64	45.11	72.09	84.89	86.22	25.34	51.26	50.17	52.69	58.15	26.40	70.51	99.46	64.38	0.27	0.00	0.80	0.06
ILMN_2555264	A030001L21Rik	AK037153	22.32	23.31	20.00	20.16	20.00	20.00	48.41	32.38	45.41	20.00	20.00	20.00	20.00	20.00	21.99	20.00	30.58	26.95	0.14	0.02	0.37	0.13
ILMN_3097221	Zfp82	NM_177889.3	20.00	29.47	33.97	37.56	20.48	20.00	44.43	40.86	43.29	35.94	29.99	40.09	24.42	27.72	29.00	74.71	62.41	39.76	0.81	0.02	0.06	0.09
ILMN_1245981	C130083B15Rik	AK081861	172.54	127.15	99.45	130.21	146.34	87.39	196.71	185.28	205.48	113.08	112.77	143.57	137.43	120.79	141.35	171.65	162.26	185.41	0.69	0.05	0.45	0.02
ILMN_1218360	Rad51l1	AK077994	20.51	29.76	30.89	31.98	22.42	20.00	45.76	45.01	61.82	39.21	27.10	32.85	37.79	28.93	29.21	22.36	38.26	32.82	0.67	0.02	0.82	0.76
ILMN_2552701	Gpc6	AK032866	59.25	41.07	20.83	31.74	48.42	25.03	102.42	135.28	93.57	38.79	54.74	53.99	34.47	54.46	60.05	57.80	95.51	136.99	0.71	0.01	0.96	0.11
ILMN_1244853	LOC100044948	XM_001473652.1	2545.74	2489.79	2265.24	2608.68	2214.61	1833.90	4451.26	4209.28	3031.55	2518.97	3329.34	3076.90	2598.83	2930.79	2765.35	3711.62	5040.40	3894.11	0.42	0.03	0.46	0.06
ILMN_2908056	Tmbim1	NM_027154.3	169.27	214.11	218.26	239.96	222.68	109.24	329.05	350.10	280.71	223.00	328.72	276.04	221.40	264.32	312.48	399.64	310.28	432.02	0.83	0.01	0.82	0.09
ILMN_2423730	A930008A22Rik	NM_172768	22.89	20.00	23.96	20.00	20.00	20.00	69.63	59.40	68.35	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	0.13	0.00	1.00	1.00
ILMN_2956741	Narg1l	NM_025832.2	211.45	179.41	134.07	160.19	155.27	149.13	300.77	273.95	245.60	133.64	165.31	156.43	160.97	146.57	167.63	194.03	219.47	210.45	0.43	0.02	0.59	0.01
ILMN_1212907	D430039N05Rik	NM_175514.2	656.18	727.15	729.06	611.46	627.99	660.52	1038.52	1132.55	1159.12	708.17	648.09	654.38	640.52	552.63	600.88	965.14	985.78	1040.76	0.06	0.00	0.09	0.00
ILMN_1252642	D330001D04Rik	AK052150	136.72	146.64	153.08	134.83	128.62	127.34	180.61	226.16	270.20	145.01	126.14	135.78	129.82	132.53	139.66	180.86	175.52	177.75	0.05	0.04	0.80	0.00
ILMN_3160137	Aldoc	NM_009657.3	236.09	225.23	224.67	248.31	199.30	173.32	419.91	360.97	388.99	238.91	206.66	204.46	238.18	199.58	237.05	238.68	323.88	286.29	0.39	0.00	0.65	0.07
ILMN_1254153	9630009L01Rik	AK035840	41.20	32.37	31.33	29.37	27.09	37.68	61.41	53.43	49.13	31.11	36.17	35.88	28.81	25.97	32.01	34.43	43.89	40.92	0.47	0.01	0.08	0.17
ILMN_2505841	Igsf4a	NM_018770	100.22	76.75	94.39	76.49	91.59	72.17	141.82	142.10	139.42	116.66	120.91	137.98	93.08	117.00	141.74	152.23	139.66	163.87	0.32	0.00	0.64	0.05
ILMN_2566718	9430043O10Rik	AK034826	49.91	42.47	40.33	63.15	39.68	23.74	78.31	64.16	68.85	34.61	30.41	55.92	24.49	36.00	28.55	40.80	59.25	61.28	0.87	0.01	0.28	0.26
ILMN_2901056	Gtpbp6	NM_145147.2	141.20	159.68	163.06	106.48	134.45	161.93	192.02	275.99	274.41	155.98	185.85	171.10	184.41	162.18	177.15	256.31	241.38	267.64	0.31	0.03	0.76	0.00
ILMN_1218131	Pcmtd1	NM_183028.3	62.66	54.05	53.41	47.13	61.43	38.51	100.34	102.44	72.94	44.27	56.45	50.84	43.95	52.86	53.41	70.84	50.12	85.23	0.35	0.02	0.93	0.17
ILMN_2559450	St7	AK036248	40.56	49.30	33.84	44.39	44.14	21.04	63.05	72.04	70.69	34.24	34.82	42.34	43.49	40.51	45.56	51.95	49.41	51.97	0.63	0.01	0.11	0.01

ILMN_1214998	Hsd11b1	NM_008288.1	29.73	22.82	20.00	20.00	20.00	20.00	42.10	39.32	31.95	20.00	20.00	20.00	20.00	20.00	20.00	26.76	20.00	20.00	0.22	0.03	1.00	0.37
ILMN_2650893	E4f1	NM_007893.3	269.86	310.57	260.24	246.14	267.61	192.41	403.38	504.54	369.07	209.24	229.29	277.68	214.75	254.49	266.16	345.31	389.52	329.79	0.17	0.03	0.82	0.01
ILMN_2675152	Vps37c	NM_181403.2	61.22	73.94	97.71	50.57	55.77	87.58	118.25	112.90	129.48	104.14	79.31	81.97	99.20	72.57	87.90	107.42	135.00	82.33	0.46	0.02	0.87	0.31
ILMN_2548634	4833416I09Rik	AK014709	43.33	35.94	49.63	40.77	24.86	40.74	66.92	65.23	93.39	70.07	54.94	50.82	51.67	49.89	39.67	85.24	83.86	57.66	0.32	0.03	0.17	0.19
ILMN_1228048	AI449175	NM_172754.2	87.91	114.32	105.67	89.02	86.48	72.28	177.57	207.23	169.59	111.29	93.81	83.52	111.22	91.05	92.98	141.03	122.74	109.88	0.10	0.00	0.84	0.08
ILMN_1213840	E130007O11Rik	AK087403	41.15	39.66	35.51	28.59	51.21	20.00	63.75	50.28	69.23	33.94	35.37	38.29	38.13	50.61	39.16	30.88	59.04	41.26	0.59	0.02	0.18	0.40
ILMN_3106592	Rcan2	NM_207649.1	129.44	117.20	135.74	100.64	124.15	82.83	176.93	241.26	267.77	137.56	132.53	126.80	79.92	109.85	98.95	207.71	186.94	152.64	0.13	0.02	0.02	0.04
ILMN_2600928	Ovgp1	NM_007696.2	66.66	69.34	51.03	77.12	67.07	21.88	105.33	115.50	97.40	79.66	52.60	72.62	78.62	74.51	80.54	95.65	98.16	94.61	0.72	0.00	0.31	0.03
ILMN_1229362	Gin1	AK084620	30.86	31.92	30.10	23.88	20.00	25.91	44.98	46.93	48.77	34.24	29.70	35.17	34.21	34.39	27.43	44.71	50.41	50.23	0.01	0.00	0.74	0.00
ILMN_1251600	Coq10a	XM_989351.1	28.34	42.85	36.13	29.45	26.09	22.39	65.01	58.62	78.27	20.00	32.44	38.99	31.72	40.67	31.73	40.47	52.78	57.86	0.10	0.01	0.54	0.06
ILMN_1256768	LOC380637	XM_358391.1	42.51	39.52	20.00	49.10	63.07	47.42	49.90	73.50	26.94	35.11	28.83	23.56	25.04	34.77	29.09	43.64	44.00	48.31	0.09	0.35	0.92	0.01
ILMN_2869654	BC065397	NM_001033001.1	20.00	55.96	27.18	52.10	44.96	48.46	66.40	43.16	47.57	27.16	35.15	48.96	30.23	37.36	50.18	58.35	53.50	54.44	0.27	0.24	0.81	0.05
ILMN_1230140	LOC385923	XM_359000.1	287.03	481.08	79.40	598.10	481.03	138.59	692.78	1767.19	180.32	162.86	111.61	139.44	170.67	163.44	154.01	330.99	296.84	355.63	0.53	0.28	0.19	0.00
ILMN_1227023	Mdm1	NM_148922.2	20.00	20.11	29.25	49.07	36.03	20.66	20.00	26.74	22.23	20.00	20.00	24.71	28.66	23.36	34.96	32.42	31.99	32.23	0.24	0.97	0.12	0.00
ILMN_1214700	Nmnat2	NM_175460.3	41.64	53.54	55.41	57.72	60.68	107.67	42.21	68.52	91.11	51.00	57.09	54.54	50.90	53.82	52.30	86.51	83.32	78.09	0.21	0.31	0.39	0.00
ILMN_1218471	Sep-03	NM_011889.2	20.00	20.00	20.00	20.00	26.21	44.56	20.62	51.18	94.83	20.00	20.00	20.00	20.00	20.00	20.00	60.03	43.29	46.71	0.24	0.17	1.00	0.00
ILMN_2463405	Zcchc4	NM_030185.2	24.64	46.66	39.93	53.73	58.79	42.43	62.58	45.36	65.90	41.54	41.61	36.84	41.80	43.38	57.98	100.12	66.00	79.25	0.15	0.08	0.22	0.01
ILMN_1256996	Maff	NM_010755.3	48.90	54.29	25.66	58.41	67.15	50.13	198.22	315.01	107.60	31.33	45.58	43.65	37.56	81.67	72.21	127.13	303.67	305.44	0.20	0.05	0.17	0.03
ILMN_3076424	Ppl	NM_008909.2	26.51	20.00	20.00	30.23	24.88	38.56	42.40	63.47	31.23	20.00	30.27	34.58	34.00	34.41	20.00	49.56	54.91	42.24	0.12	0.07	0.86	0.02
ILMN_1247753	Ppap2b	NM_080555.2	29.34	29.96	42.91	52.13	49.63	38.42	34.94	67.14	44.20	22.66	44.66	32.05	42.33	30.66	34.82	50.47	66.61	67.33	0.11	0.24	0.72	0.03
ILMN_2813286	Atxn3	NM_029705.1	78.53	39.84	31.90	74.12	76.71	44.85	83.16	71.69	71.44	34.26	61.25	45.95	64.04	56.14	47.84	76.27	85.96	86.60	0.44	0.16	0.39	0.01
ILMN_1240127	A130091L04Rik	AK038273	20.14	20.09	23.63	39.41	20.67	28.05	36.36	28.98	21.28	20.00	27.85	26.58	45.12	25.38	27.37	40.00	45.80	33.24	0.22	0.17	0.31	0.03
ILMN_1235329	Etv5	NM_023794	28.93	27.88	40.37	42.66	36.20	48.85	37.72	47.08	66.36	42.07	43.01	36.02	42.48	34.75	26.28	59.78	78.74	58.79	0.13	0.13	0.32	0.02
ILMN_2613389	Dph2	NM_026344.3	65.26	69.56	86.62	103.39	68.67	127.89	105.72	84.20	162.32	118.42	96.85	87.86	107.56	82.51	90.05	175.56	145.67	144.60	0.23	0.15	0.55	0.02
ILMN_1259464	LOC381220	XM_358528.1	20.00	20.00	20.00	22.16	20.00	41.01	37.96	21.17	29.12	20.00	20.00	20.00	20.00	20.00	20.00	30.83	51.69	45.15	0.31	0.12	1.00	0.02
ILMN_2964996	C630028N24Rik	NM_177351.2	104.50	107.84	45.85	106.48	115.70	92.41	119.03	191.15	65.15	62.06	77.70	106.98	69.50	80.51	90.72	124.35	114.84	143.20	0.43	0.40	0.90	0.04
ILMN_2547867	Mknk1	AK010697	20.00	23.75	22.52	36.10	28.39	22.90	45.63	26.78	52.44	30.85	31.63	32.27	43.06	38.83	24.05	53.91	59.31	58.55	0.15	0.07	0.55	0.00
ILMN_2763657	Rufy2	NM_027425.3	37.51	39.42	37.45	52.69	62.98	36.02	49.89	55.87	62.54	31.90	32.60	46.69	33.12	43.64	31.76	60.01	54.26	62.57	0.19	0.01	0.89	0.02
ILMN_2885900	Ttll3	NM_133923.3	27.15	20.20	20.00	37.27	29.83	21.04	25.93	30.98	33.32	20.00	23.32	20.00	20.00	28.56	25.29	26.76	31.55	38.98	0.26	0.08	0.27	0.04
ILMN_2561029	9930033H14Rik	AK036989	107.68	109.66	80.25	154.48	164.00	78.56	190.19	182.47	87.80	74.41	84.57	105.44	90.47	86.07	107.10	126.52	129.16	165.23	0.31	0.19	0.60	0.03
ILMN_2838564	Tsku	NM_001024619.1	75.29	48.92	67.62	83.37	71.49	86.29	80.47	85.49	144.93	66.73	62.38	95.89	83.92	144.99	124.59	181.09	171.20	164.03	0.14	0.15	0.11	0.00
ILMN_2656827	LOC100048832	XM_001473682.1	46.75	50.19	26.76	50.41	64.09	39.89	59.61	62.39	50.13	34.29	53.88	54.92	43.47	51.37	56.48	64.04	90.79	85.08	0.37	0.12	0.74	0.04
ILMN_2688822	1500032D16Rik	NM_030087.2	109.42	83.11	72.59	133.36	115.62	87.42	159.95	156.11	97.90	72.49	99.34	104.66	85.52	102.42	124.47	165.08	169.88	139.29	0.24	0.10	0.47	0.01
ILMN_2599955	Btbd3	NM_145534.1	47.73	63.84	68.25	54.90	82.85	92.58	73.36	83.98	135.29	79.58	56.38	45.86	54.45	64.09	41.86	110.43	124.42	97.18	0.26	0.13	0.58	0.02
ILMN_1237736	Plekhf2	NM_175175.3	115.37	110.85	67.80	119.22	146.75	100.00	171.00	161.86	73.46	88.03	105.07	90.72	100.07	101.09	99.22	164.01	153.59	164.64	0.30	0.34	0.36	0.00
ILMN_2689785	Cd68	NM_009853.1	74.48	65.11	91.23	86.97	87.93	115.48	101.98	93.75	154.10	95.04	102.58	122.13	110.77	108.25	119.80	177.21	172.30	171.76	0.18	0.12	0.51	0.00
ILMN_2733193	Cth	NM_145953.2	44.59	23.67	26.51	53.11	47.07	22.34	91.50	78.99	39.74	26.67	34.10	21.82	32.36	33.19	23.28	91.68	56.40	59.48	0.47	0.09	0.69	0.02
ILMN_1232093	LOC386330	XM_359173.1	482.04	656.72	325.66	920.67	621.02	352.36	892.53	2374.25	684.73	584.01	327.67	410.31	489.83	517.19	423.80	723.13	758.00	749.52	0.49	0.20	0.68	0.02
ILMN_1247439	5730405N03Rik	XR_035474.1	20.00	20.00	20.00	32.20	23.73	20.00	45.34	33.96	20.26	20.00	20.00	20.00	20.00	20.00	20.00	37.72	34.23	24.43	0.22	0.14	1.00	0.04
ILMN_3115677	Ilf3	NM_001042708.1	97.20	52.90	79.94	138.05	89.83	63.29	97.04	142.22	102.48	47.01	89.61	74.31	57.11	75.03	88.05	102.43	136.17	156.76	0.47	0.12	0.85	0.04
ILMN_1235034	LOC280097	XM_207108.3	136.68	122.00	38.91	156.59	158.95	49.36	230.08	505.29	63.89	22.81	46.64	55.65	60.73	65.38	59.24	107.25	110.13	159.89	0.66	0.27	0.11	0.01
ILMN_2592352	Gtf2h1	NM_008186.3	84.56	79.46	35.41	81.45	109.69	50.36	167.95	186.76	89.77	20.00	41.34	41.41	37.13	36.78	66.61	126.17	118.44	156.93	0.58	0.07	0.36	0.00
ILMN_2630993	Ppap2b	NM_080555.2	779.62	859.31	1007.26	1075.33	917.40	1289.97	1228.24	1345.16	2191.41	924.18	777.26	776.96	1026.16	901.70	919.39	1938.33	1730.05	1849.63	0.17	0.09	0.12	0.00
ILMN_1230340	Cdc6	NM_011799.2	59.03	55.47	20.00	63.55	64.83	29.57	109.48	122.45	30.06	20.49	24.19	25.35	20.00	20.00	24.71	33.52	50.89	52.83	0.67	0.25	0.46	0.02
ILMN_2451709	Atf6	NM_001081304.1	56.47	47.95	21.23	47.72	61.54	36.32	72.52	84.48	54.32	40.61	39.68	31.50	33.71	42.35	27.76	54.14	70.84	92.63	0.63	0.11	0.63	0.04
ILMN_1226055	Kcnk2	NM_010607.1	79.71	77.59	27.46	63.72	94.67	51.90	138.31	175.87	76.75	23.38	67.15	57.69	46.84	78.92	89.51	98.09	173.18	209.89	0.71	0.11	0.29	0.04
ILMN_2597229	Armet	NM_029103.3	103.86	89.84	25.71	79.13	103.94	53.25	148.80	250.38	25.93	21.77	31.69	48.10	20.00	41.06	43.15	86.55	70.68	136.26	0.85	0.38	0.94	0.04
ILMN_1238547	Areg	NM_009704.3	38.08	46.76	20.00	41.79	42.06	36.68	46.46	82.22	76.03	39.74	28.46	23.43	34.79	33.24	28.81	110.86	67.43	84.37	0.55	0.07	0.75	0.01
ILMN_1256449	A930007B11Rik	XM_993574.1	214.60	208.92	40.07	215.95	211.88	71.04	631.26	625.31	180.82	48.46	86.94	91.38	68.52	74.46	122.32	224.69	281.22	284.86	0.88	0.11	0.59	0.00
ILMN_2838139	Zfp52	NM_144515.2	20.00	20.00	20.00	35.76	20.00	20.00	53.51	52.36	21.03	20.00	20.00	20.00	39.54	22.73	28.14	45.13	26.65	48.71	0.37	0.10	0.11	0.04
ILMN_1226713	Ccdc57	NM_027745.1	31.47	23.62	46.52	27.92	36.85	59.90	50.83	37.85	68.36	38.72	25.29	40.18	20.00	39.61	31.80	49.70	49.95	56.69	0.55	0.17	0.60	0.03
ILMN_2804166	Igsf9	NM_033608.2	36.25	51.89	47.60	42.54	55.38	66.93	70.49	76.13	121.76	71.81	62.44	60.67	45.29	61.10	47.00	124.65	108.49	105.11	0.31	0.06	0.09	0.00
ILMN_2878021	Atp2b1	NM_026482.1	217.61	239.63	291.47	273.60	304.42	319.43	350.14	348.62	357.74	297.94	293.59	298.90	297.72	331.23	308.46	530.49	554.37	484.83	0.13	0.01	0.19	0.00
ILMN_3132434	LOC236749	NM_001034864.1	31.53	31.45	20.00	32.69	47.01	22.54	65.06	98.13	23.77	31.59	32.59	26.72	30.85	21.97	24.49	66.04	51.78	74.05	0.47	0.19	0.23	0.01
ILMN_1248895	Cachd1	NM_198037.1	213.38	187.07	129.69	202.21	226.68	196.16	247.40	276.66	241.88	181.43	178.24	171.74	215.67	181.66	155.15	341.07	297.75	276.22	0.30	0.04	0.71	0.00
ILMN_2620326	Cyp27a1	NM_024264.4	34.72	37.28	45.44	38.88	40.15	64.92	50.46	68.84	126.22	42.75	40.88	31.62	44.27	45.34	33.52	78.12	86.15	73.71	0.39	0.14	0.63	0.00
ILMN_3160783	Ttll4	NM_001014974.1	34.88	62.81	70.10	55.86	53.86	87.90	56.39	67.21	100.99	84.39	64.64	66.95	85.23	75.84	75.13	122.99	103.63	101.60	0.55	0.33	0.39	0.02
ILMN_2753761	2010004A03Rik	NM_029646.1	24.66	32.17	40.08	38.89	25.42	55.35	39.66	41.31	52.69	49.89	36.44	47.87	47.85	31.57	43.57	111.61	77.03	85.21	0.48	0.11	0.59	0.01
ILMN_1213090	2010305C02Rik	AK008522	68.08	32.09	20.00	60.15	49.77	24.97	67.82	65.45	20.07	27.59	40.93	36.65	27.10	57.01	33.50	46.45	58.60	61.92	0.80	0.63	0.70	0.03
ILMN_1216439	1700084E18Rik	XM_979472.1	29.34	25.68	56.26	43.08	42.58	39.50	33.05	31.87	65.90	35.19	31.77	33.17	32.57	45.52	37.27	64.64	58.08	45.60	0.66	0.68	0.26	0.02
ILMN_2503188	Ppl	NM_008909.2	600.50	675.99	293.76	766.58	846.70	311.59	1734.75	1806.86	687.11	311.10	380.93	446.27	378.27	451.31	561.98	1007.54	939.71	1264.59	0.59	0.08	0.27	0.00
ILMN_1259653	Gng8	NM_010320.3	24.20	20.00	27.91	21.77	22.96	45.22	44.05	47.16	94.87	26.21	30.19	32.74	33.90	25.15	20.00	62.12	55.01	41.26	0.50	0.08	0.49	0.02
ILMN_2729198	Fmnl2	BC048004	80.51	96.59	64.80	92.78	110.44	81.84	152.79	144.94	85.39	56.72	75.79	76.56	63.25	102.34	88.84	119.54	115.40	117.55	0.31	0.11	0.31	0.00
ILMN_1238426	B230210A04Rik	AK045553	109.53	80.73	76.59	85.22	122.05	107.91	155.30	150.31	103.38	97.70	102.74	82.47	92.97	88.60	90.92	138.48	168.45	156.70	0.34	0.07	0.61	0.00
ILMN_1236062	2610036L11Rik	XM_488549	91.43	83.63	20.00	110.07	74.69	30.79	133.09	152.83	38.16	38.70	35.89	36.84	23.28	30.33	32.84	52.93	60.66	81.76	0.84	0.36	0.05	0.03
ILMN_1224064	9430032E06Rik	AK034761	40.19	24.30	20.00	28.62	29.02	38.90	28.14	68.49	36.21	25.12	21.49	27.97	25.76	20.00	34.74	42.15	55.23	41.77	0.60	0.31	0.69	0.01
ILMN_1229306	Esd	NM_016903.4	29.83	20.00	20.00	32.91	28.35	20.97	20.00	34.79	20.00	29.39	34.49	26.64	32.55	38.69	39.91	54.62	50.55	56.61	0.44	0.79	0.10	0.00
ILMN_2591713	Slc36a1	NM_153139.4	20.00	25.84	44.91	22.83	32.72	50.79	48.12	51.52	123.93	54.51	29.54	31.81	33.54	35.20	34.96	99.25	82.04	69.72	0.66	0.16	0.64	0.02
ILMN_2485794	Zbtb10	NM_177660.2	129.45	119.59	20.43	142.20	130.73	27.76	171.92	224.77	39.21	36.73	42.77	55.20	42.14	52.28	59.71	73.53	104.03	122.59	0.85	0.44	0.43	0.02
ILMN_1232209	Nampt	NM_021524.1	125.75	111.01	28.04	150.48	156.51	26.83	405.99	445.32	101.31	30.30	43.95	49.65	34.41	33.80	46.46	125.07	127.14	213.98	0.68	0.11	0.69	0.02
ILMN_2442384	Gabpb2	NM_029885.1	28.08	20.00	22.36	24.54	33.22	24.85	38.62	26.42	43.14	24.92	30.61	21.68	31.44	22.75	25.81	36.27	41.78	46.85	0.34	0.09	0.81	0.02
ILMN_1223687	Mpzl1	NM_001001880.2	36.77	34.37	22.91	49.26	26.48	35.79	41.03	44.78	48.53	22.14	38.86	47.93	42.35	46.59	21.68	58.80	69.11	54.18	0.50	0.05	0.96	0.05
ILMN_1220629	Tmem63b	NM_198167.2	53.42	42.04	37.23	46.45	71.96	40.19	46.65	57.29	44.02	30.09	33.37	54.38	49.13	45.22	35.37	61.32	67.98	82.36	0.47	0.46	0.67	0.03
ILMN_3064669	Mapk1ip1	NM_001045483.1	27.81	31.78	34.46	30.18	32.01	49.46	51.11	44.37	81.60	37.68	23.61	25.90	38.74	39.75	25.03	59.32	53.03	41.93	0.41	0.08	0.45	0.03
ILMN_2610809	Asph	NM_023066.1	56.08	33.85	35.73	36.71	46.44	62.07	45.02	51.46	48.96	34.09	34.71	37.66	73.09	41.23	39.20	59.77	60.52	41.60	0.56	0.42	0.23	0.04
ILMN_2983516	Slc11a1	NM_013612.1	20.00	20.00	24.14	20.00	20.00	37.61	28.05	35.20	48.69	20.00	20.00	20.00	20.00	29.47	33.67	55.11	37.75	40.21	0.50	0.06	0.13	0.01
ILMN_2640927	Slc23a2	NM_018824.2	907.55	981.25	424.06	1119.61	1069.16	485.63	1104.01	1210.02	575.91	466.76	469.32	485.36	578.57	455.03	628.01	825.63	656.47	899.33	0.68	0.50	0.20	0.01
ILMN_2546104	2300008H03Rik	AK009045	20.00	26.07	20.00	23.47	26.91	25.02	33.76	22.74	20.92	21.26	35.31	29.13	20.00	38.49	31.55	53.68	48.80	60.14	0.24	0.45	0.84	0.01
ILMN_3074058	Polr3g	NM_001081176.1	73.57	46.80	57.44	81.13	62.95	58.65	75.98	103.41	76.03	35.77	76.53	75.75	55.50	68.37	82.69	105.88	117.75	99.23	0.47	0.10	0.71	0.04
ILMN_2611676	Ogt	NM_139144.2	1367.19	1293.92	841.27	1667.03	1552.74	869.16	2009.43	2344.63	1205.29	920.26	1154.51	1015.55	953.95	1084.90	1176.56	1455.12	1595.24	2020.24	0.55	0.14	0.68	0.02
ILMN_2531508	LOC381199	XM_355130.1	20.00	20.00	20.00	20.00	30.16	20.00	20.00	20.00	21.69	20.00	20.00	20.64	20.00	27.78	20.91	41.72	28.19	41.33	0.37	0.37	0.34	0.02
ILMN_2613659	Ctdp1	NM_026295.2	80.17	78.51	72.82	87.46	78.52	99.67	84.60	97.12	165.04	88.15	61.92	73.20	86.88	89.74	83.53	122.06	152.53	134.39	0.16	0.20	0.19	0.01
ILMN_1229255	Bcl2l11	NM_207680.2	20.00	21.84	35.23	25.04	20.00	45.54	51.66	29.14	46.98	39.64	45.71	31.30	22.36	33.84	23.59	64.74	74.16	53.38	0.65	0.11	0.09	0.03
ILMN_2917221	Esd	NM_016903.2	41.37	20.00	41.79	34.86	31.52	46.48	38.75	39.04	64.70	39.35	38.07	32.89	50.72	40.00	54.55	89.37	74.37	81.33	0.72	0.31	0.07	0.00
ILMN_1243370	Cyb5r1	NM_028057.2	1310.50	1358.29	524.38	1303.16	1514.42	697.90	2386.70	2955.75	1109.13	586.31	889.85	1033.55	753.45	896.70	1000.86	1432.58	1771.23	2172.94	0.78	0.15	0.77	0.02
ILMN_1216538	Bin3	NM_021328.3	20.00	20.00	20.00	20.00	29.46	20.00	45.54	24.81	27.93	26.06	21.26	20.00	25.49	25.54	20.00	28.56	34.78	43.01	0.37	0.12	0.66	0.05
ILMN_2625393	Sdcbp	NM_001098227.1	192.97	223.88	66.26	201.34	278.73	74.44	262.39	275.21	101.89	77.81	74.98	111.64	82.88	76.25	119.41	159.92	119.46	184.72	0.77	0.52	0.81	0.04
ILMN_1240387	G430055L02Rik	NM_145520	23.76	20.00	20.00	20.00	20.00	34.60	28.65	29.61	74.27	39.19	20.00	20.00	27.41	20.00	20.00	61.76	53.57	55.27	0.51	0.20	0.60	0.01
ILMN_2524100	Zswim6	XM_358311	144.67	138.24	122.39	151.48	170.72	137.79	189.98	193.10	223.12	133.77	115.34	124.07	157.69	135.38	154.57	205.64	210.41	202.56	0.19	0.01	0.05	0.00
ILMN_2583102	D430007J11Rik	AK084902	97.95	99.48	58.39	113.90	103.93	69.86	123.87	179.03	104.65	38.14	47.65	62.09	69.42	64.54	58.96	92.24	91.01	93.48	0.60	0.12	0.12	0.00
ILMN_2705331	Dus3l	NM_144858.1	41.92	34.93	37.89	38.96	35.22	58.64	66.16	46.59	98.00	66.62	56.72	47.80	45.64	63.52	59.38	92.79	89.24	92.28	0.47	0.10	0.92	0.00
ILMN_1254995	Usp6nl	NM_181399.3	363.78	364.48	360.75	474.55	404.29	360.66	526.02	480.89	606.90	344.00	314.24	327.28	423.16	288.10	373.02	531.21	483.09	504.80	0.21	0.01	0.46	0.00
ILMN_2674275	5830406C17Rik	XM_488874	48.75	43.00	20.00	50.38	36.29	33.01	112.34	139.59	50.03	21.68	30.76	34.55	21.72	36.11	43.86	44.09	93.31	97.71	0.81	0.09	0.55	0.05
ILMN_1230667	Atxn3	NM_029705.2	51.43	56.99	59.08	57.46	69.07	62.44	71.75	72.84	91.14	62.82	64.26	46.59	49.19	74.42	64.14	96.54	81.79	81.99	0.15	0.03	0.64	0.02
ILMN_2951310	D030013I16Rik	NM_001039164.1	69.93	52.47	44.92	69.87	63.29	53.25	109.74	166.67	82.63	51.92	51.44	43.11	50.75	69.53	53.86	93.60	100.29	64.27	0.51	0.07	0.23	0.03
ILMN_1217043	LOC100047762	XM_001478835.1	206.20	130.52	84.47	182.10	192.14	92.79	284.69	309.11	144.93	98.57	168.93	139.91	107.40	142.95	149.20	212.38	269.10	286.62	0.76	0.16	0.92	0.02
ILMN_2477267	Zbtb1	NM_178744.1	53.80	67.20	25.23	45.90	63.82	44.21	61.74	79.40	54.85	32.35	49.63	56.11	31.83	44.54	63.86	83.41	68.59	100.51	0.86	0.31	0.95	0.03
ILMN_2700059	Slc12a2	NM_009194.2	4023.97	4166.24	3907.29	4564.75	4676.31	4355.01	5550.70	5599.21	6036.27	4128.80	3833.45	4125.47	4612.13	4145.76	4218.41	6482.98	6147.91	6828.93	0.01	0.00	0.17	0.00
ILMN_2661214	Krt17	NM_010663.2	20.91	20.00	25.81	20.00	20.00	38.29	28.90	20.00	31.72	25.61	26.55	23.64	38.09	25.53	22.29	50.82	42.23	36.15	0.58	0.31	0.53	0.01
ILMN_2929572	Ccdc68	NM_201362.1	35.90	37.03	30.78	26.47	39.46	55.56	58.96	80.01	135.93	20.00	38.27	33.68	68.40	28.50	38.86	71.65	68.17	64.29	0.53	0.07	0.33	0.00
ILMN_2624358	Cyb561d1	XM_485295	84.80	67.84	43.37	81.13	74.60	58.44	58.41	42.88	56.66	43.54	63.58	36.25	70.02	69.41	54.05	76.68	75.28	78.65	0.68	0.38	0.16	0.02
ILMN_3072337	Cpne8	NM_001033851.1	65.78	50.02	97.92	65.13	63.70	109.99	95.51	107.62	166.24	132.78	95.42	102.17	117.77	95.89	96.07	175.89	161.94	167.21	0.71	0.12	0.64	0.01
ILMN_1223966	LOC385959	XM_359014.1	145.97	169.95	89.23	254.37	139.89	87.88	181.08	695.50	129.07	122.21	129.65	130.80	126.88	173.87	125.18	202.21	239.61	200.42	0.66	0.33	0.42	0.00
ILMN_2854036	Zfp553	NM_146201.1	45.70	34.58	20.00	44.26	50.42	20.00	34.46	46.22	41.44	37.10	38.57	39.22	34.15	47.78	64.85	54.17	57.45	75.80	0.71	0.42	0.30	0.02
ILMN_1259222	Trim33	NM_053170.2	104.06	133.41	51.15	114.25	137.57	63.71	211.23	312.78	82.90	49.08	58.30	75.37	48.37	73.55	94.11	154.38	114.41	241.26	0.80	0.21	0.51	0.05
ILMN_2652414	Ncald	NM_134094.3	56.42	44.18	90.49	64.34	56.96	86.29	88.01	83.14	151.08	54.98	48.52	44.89	81.12	63.76	63.35	100.84	102.56	100.67	0.75	0.17	0.04	0.00
ILMN_2789346	Tmem144	NM_027495.2	52.41	21.20	20.00	38.23	40.67	20.00	62.84	77.39	48.54	20.00	20.00	20.00	31.21	20.00	30.30	63.88	40.92	71.99	0.89	0.08	0.12	0.01
ILMN_1244317	Lce1g	NM_025413.2	20.00	22.17	20.00	20.30	30.43	20.00	61.57	123.51	33.89	20.00	20.00	20.20	20.00	20.00	20.00	75.05	65.37	92.59	0.46	0.12	0.37	0.00
ILMN_2716098	Hsp105	NM_013559.1	1279.30	1363.30	1120.32	1668.50	1599.99	1018.37	1955.91	1893.06	1718.37	1144.47	1759.42	1587.56	1324.04	1794.13	1702.11	2044.73	2460.41	2381.55	0.47	0.00	0.66	0.02
ILMN_1222817	Vps33a	NM_029929.2	78.16	59.25	61.96	67.55	83.64	70.57	78.69	108.18	116.78	75.62	74.55	59.77	70.56	63.91	86.57	125.84	91.04	119.60	0.39	0.06	0.68	0.02
ILMN_2971479	Trp53inp1	NM_021897.1	1214.98	1088.42	395.84	1277.10	1396.23	407.11	2037.58	2342.55	799.85	407.95	548.57	570.66	460.14	593.62	688.83	818.20	839.76	1271.02	0.77	0.20	0.44	0.04
ILMN_2741238	Akap2	NM_009649.2	63.38	74.73	44.00	78.26	83.14	44.33	138.41	228.72	77.16	35.46	62.18	42.06	52.41	63.86	63.27	138.75	131.92	180.70	0.63	0.12	0.21	0.00
ILMN_2580229	D130084E01Rik	AK084078	20.00	20.09	20.00	20.00	27.43	20.20	24.04	30.16	28.60	28.86	20.00	22.46	21.99	22.93	40.30	44.53	31.50	35.22	0.36	0.01	0.52	0.05
ILMN_1218291	LOC100048330	XM_001479795.1	34.92	35.27	41.87	32.80	34.53	62.68	52.11	57.65	95.10	25.50	39.48	56.23	66.99	46.48	51.71	76.41	72.02	80.33	0.58	0.09	0.25	0.02
ILMN_1242130	BC023892	XM_994662.1	24.72	49.27	20.00	36.72	45.60	20.00	92.66	103.86	37.02	21.96	22.96	20.00	20.00	20.00	20.00	35.52	52.87	43.38	0.82	0.11	0.13	0.01
ILMN_2448137	Jup	NM_010593	20.00	20.00	20.00	20.00	20.00	27.45	20.00	22.58	23.13	20.00	20.00	20.00	20.00	20.00	28.53	31.05	30.40	34.68	0.37	0.12	0.37	0.00
ILMN_2581241	E030003O11Rik	AK086837	36.52	61.59	61.89	56.41	51.64	65.55	62.42	84.03	114.41	59.41	51.81	59.92	96.47	65.92	65.39	117.08	87.29	85.47	0.65	0.12	0.15	0.02
ILMN_1236613	4921505C17Rik	NM_030168.2	72.36	61.98	73.24	66.80	71.91	93.45	108.33	119.00	221.54	85.62	76.40	67.26	85.34	70.19	52.51	122.90	110.15	121.24	0.41	0.09	0.55	0.00
ILMN_2700233	Ccng2	NM_007635.3	578.13	538.18	105.96	623.38	676.86	106.36	2095.84	2560.53	462.93	125.76	126.35	185.97	175.88	140.26	290.29	529.39	485.70	979.72	0.81	0.12	0.32	0.03
ILMN_2808186	Gtf2ird2	NM_053266.1	339.13	348.54	415.85	415.67	349.01	460.67	504.71	448.18	597.74	375.14	334.26	325.51	426.00	360.26	383.53	652.78	589.77	551.00	0.37	0.04	0.14	0.00
ILMN_1250309	Lonrf1	NM_001081150.1	41.80	33.47	38.98	42.77	34.75	49.78	73.01	94.18	171.21	23.78	42.78	38.79	48.73	39.98	32.16	99.79	157.65	109.57	0.43	0.07	0.53	0.01
ILMN_2759289	Slk	NM_009289.2	1093.37	1019.14	1061.54	1177.61	1153.08	1175.43	1593.63	1407.59	1651.48	1168.52	1169.24	1203.57	1288.16	1261.10	1244.82	2163.46	2027.39	1952.01	0.01	0.00	0.01	0.00
ILMN_1233726	Plekhk1	NM_133244.2	173.27	130.28	262.13	178.01	171.59	260.92	230.41	210.88	352.79	236.22	238.87	223.30	217.06	208.11	214.24	406.87	409.15	273.91	0.77	0.27	0.02	0.04
ILMN_2668236	Dos	NM_015761.2	88.99	89.24	115.32	111.49	103.96	106.06	109.37	183.54	169.02	80.08	93.00	124.27	73.71	108.49	104.39	147.12	207.63	183.73	0.36	0.08	0.84	0.02
ILMN_2937738	Irak2	NM_172161.2	91.84	104.57	108.82	115.73	114.17	105.84	137.40	104.48	136.28	148.87	148.35	117.43	143.43	180.87	137.66	219.43	210.66	198.72	0.16	0.11	0.41	0.00
ILMN_2841290	Tnfaip2	NM_009396.1	201.69	220.37	319.14	218.53	265.17	325.14	280.13	274.49	464.65	309.77	312.89	301.34	342.61	363.15	360.07	464.08	589.53	463.64	0.66	0.27	0.00	0.01
ILMN_2705166	St6gal1	NM_145933.3	1242.83	1222.59	1278.50	1389.16	1278.41	1447.27	1719.21	1674.80	1982.59	1486.72	1313.37	1390.43	1504.03	1320.68	1291.19	2389.17	2039.89	2179.78	0.08	0.01	0.78	0.00
ILMN_1244101	LOC673578	XM_001005888.1	511.53	576.39	258.27	530.23	579.61	327.15	566.03	732.68	487.41	259.47	227.76	318.56	365.02	270.35	327.41	425.58	344.52	461.75	0.82	0.29	0.24	0.03
ILMN_2660715	E030011O05Rik	NM_177020.2	23.67	20.00	20.00	20.76	30.00	20.00	21.58	29.40	36.53	20.00	20.00	20.00	20.00	20.00	23.15	27.67	37.78	28.19	0.53	0.15	0.37	0.03
ILMN_2652077	Pex26	NM_028730.4	41.85	42.44	52.29	51.08	45.03	53.08	57.85	52.17	107.14	57.40	52.76	52.74	51.74	53.20	68.73	79.04	87.28	83.10	0.37	0.21	0.56	0.00
ILMN_2684413	Rp23-297j14.5	NM_001099322.1	1651.49	1477.49	610.10	1611.93	1638.79	739.47	2778.15	3323.80	1617.45	704.26	494.85	683.65	750.97	552.41	771.05	1906.22	1174.92	1818.96	0.86	0.09	0.54	0.01
ILMN_1253336	AI850995	XM_488675	251.85	224.11	159.35	250.62	228.84	205.61	268.60	255.23	206.50	197.60	181.53	168.76	188.46	171.60	164.18	272.95	243.17	311.84	0.61	0.40	0.51	0.01
ILMN_2747820	Dhrs7	NM_025522.3	824.60	845.07	479.34	896.37	919.17	531.20	1374.48	1512.10	850.57	556.04	669.23	629.41	688.13	815.65	888.33	972.52	1161.42	1228.40	0.72	0.09	0.06	0.00
ILMN_2416488	Usp37	NM_176972.3	73.04	74.67	92.94	105.62	88.39	71.10	132.82	148.14	94.75	55.49	78.46	69.85	56.10	75.50	73.79	116.99	117.88	113.96	0.53	0.06	0.96	0.00
ILMN_1244024	Cebpg	NM_009884.3	1098.67	1072.36	1459.61	1160.09	1128.94	1718.44	1746.90	1797.43	2741.11	1586.24	1211.84	1202.57	1357.41	1199.31	1260.25	2905.55	2453.65	2020.60	0.61	0.06	0.67	0.02
ILMN_2822579	Col4a2	NM_009932.2	3299.69	3165.84	3384.50	3384.51	3686.47	3693.60	4379.55	5149.14	5077.95	3171.79	3577.09	3490.52	3857.23	4124.98	3938.19	5196.69	5240.12	5596.55	0.06	0.00	0.02	0.00
ILMN_1232894	Znrf1	NM_133206.2	133.38	165.89	111.56	162.39	149.54	132.48	185.55	234.40	137.34	123.53	172.64	168.05	113.24	187.00	159.23	191.69	256.44	260.66	0.57	0.20	0.96	0.04
ILMN_2610609	1810054D07Rik	NM_027238.2	410.55	421.56	347.59	507.30	441.94	349.45	649.21	561.31	485.50	371.60	384.58	347.40	382.77	341.35	348.84	588.37	586.05	571.49	0.48	0.03	0.58	0.00
ILMN_1236461	6030443O07Rik	NM_001081225.1	23.13	20.00	26.13	31.14	20.00	25.26	30.72	33.08	53.08	20.50	20.00	20.00	30.17	22.57	26.27	39.21	52.06	40.67	0.55	0.10	0.05	0.00
ILMN_2511768	Ttc17	NM_183106.2	333.21	320.23	392.49	363.99	354.81	421.75	473.31	451.73	574.44	362.37	339.72	324.27	428.59	354.46	345.81	590.95	549.91	462.46	0.36	0.03	0.30	0.01

ILMN_1227412	Hisppd1	NM_173760.3	742.90	659.76	307.23	750.40	733.90	355.53	822.91	949.29	473.64	349.76	376.44	448.88	386.29	414.86	465.24	673.74	527.77	748.02	0.83	0.41	0.46	0.02
ILMN_2476705	Zcchc14	NM_080855.1	68.11	58.67	88.23	81.14	59.38	95.15	103.61	95.08	139.93	94.83	76.11	64.84	86.34	65.84	64.18	160.86	139.02	106.00	0.64	0.06	0.60	0.04
ILMN_2491930	scl0002022.1_297	AK086018.1	51.45	42.33	56.44	44.05	50.39	71.88	102.06	97.94	192.79	51.84	53.75	51.66	79.02	54.06	58.72	150.60	96.90	121.16	0.60	0.06	0.21	0.01
ILMN_1253631	Gss	AK033435	20.00	28.61	38.14	30.20	28.60	32.74	33.94	46.80	71.27	21.49	31.55	34.38	42.69	35.01	45.37	42.96	45.57	43.66	0.78	0.15	0.08	0.02
ILMN_2454393	Ypel1	NM_023249.4	21.86	20.00	27.85	20.00	33.48	23.57	25.28	44.33	91.65	32.74	31.66	29.73	32.19	24.12	25.20	66.36	44.24	64.61	0.63	0.20	0.19	0.02
ILMN_2662926	Egr1	NM_007913.5	5305.80	5607.15	4281.45	5576.42	6309.27	4683.90	4602.06	7291.60	5888.15	4046.29	4515.39	4749.07	4288.84	4743.03	4724.91	7303.05	6534.55	6724.46	0.50	0.38	0.59	0.00
ILMN_2595732	LOC100046232	XM_001475817.1	2003.63	2225.98	1985.32	2316.15	2378.39	2069.51	2776.88	2660.32	2790.09	1724.33	1724.83	1579.05	1749.89	1769.82	1696.74	2636.02	2799.88	2622.91	0.21	0.00	0.30	0.00
ILMN_2553710	A430010E21Rik	AK039823	27.15	28.90	33.46	36.40	46.35	20.00	41.15	50.76	33.31	20.00	20.00	24.56	20.00	26.42	31.86	35.68	26.83	37.60	0.61	0.09	0.29	0.03
ILMN_2946088	Panx1	NM_019482.2	333.66	353.85	321.25	381.21	416.80	306.07	538.56	585.18	342.87	340.86	596.63	454.46	421.80	517.55	429.25	610.79	793.63	772.25	0.40	0.11	0.93	0.05
ILMN_2626383	Mpv17	NM_008622.3	103.06	117.69	144.95	133.44	123.86	136.38	155.50	194.49	180.23	139.76	132.31	131.33	148.10	136.64	155.48	261.47	200.47	230.63	0.51	0.03	0.11	0.01
ILMN_1244099	LOC100041388	XM_001476627.1	1222.54	1320.57	1057.24	1731.31	1339.41	941.89	2088.43	4072.64	1905.70	1327.60	1089.44	1276.90	1219.29	1435.26	1199.95	1914.88	2199.30	2156.20	0.60	0.10	0.64	0.00
ILMN_2603660	LOC100044324	XM_001471971.1	144.97	119.56	187.72	151.00	131.31	210.00	161.69	198.63	320.07	198.37	157.25	163.10	169.52	176.64	174.09	269.41	264.49	292.53	0.69	0.22	0.97	0.00
ILMN_3062267	Acot1	NM_012006.2	71.46	86.83	126.60	90.46	82.91	133.68	143.36	169.58	246.01	82.74	68.89	84.68	86.69	72.61	81.41	172.02	136.55	173.68	0.76	0.06	0.83	0.00
ILMN_1232998	D830005N24Rik	AK085766	35.16	52.92	60.79	42.60	57.79	58.65	54.78	46.31	87.77	56.41	57.04	48.48	73.61	63.20	63.88	99.50	89.02	91.60	0.73	0.42	0.04	0.00
ILMN_1254148	AB041568	AK089856	98.77	86.83	84.66	84.78	103.52	105.57	116.77	127.98	184.22	93.50	79.65	89.94	120.53	105.56	113.09	135.03	121.52	141.98	0.38	0.07	0.01	0.00
ILMN_2726690	Ivns1abp	NM_028582	128.08	151.01	40.96	129.15	136.99	57.12	171.84	267.97	72.91	39.61	67.72	63.79	57.04	74.63	86.67	133.32	140.80	247.15	0.98	0.38	0.27	0.04
ILMN_2680852	Wdr59	NM_176923.3	50.90	57.21	70.67	60.88	58.21	73.98	65.57	68.19	95.90	70.44	58.51	47.23	73.59	53.96	65.24	103.78	88.88	84.69	0.56	0.21	0.56	0.02
ILMN_1221161	Zfp57	NM_009559.2	51.30	67.44	81.17	87.18	61.57	66.57	79.69	81.95	95.34	83.20	69.33	74.23	84.11	76.50	80.56	120.80	131.43	109.76	0.68	0.13	0.36	0.00
ILMN_1238679	9430023L20Rik	NM_026566.2	1106.17	981.67	981.39	1125.70	1021.34	1179.17	1332.17	1468.86	1329.74	1062.75	1162.84	975.23	1179.36	1231.63	1095.48	1727.99	1763.00	1668.98	0.24	0.00	0.20	0.00
ILMN_2702703	Shmt2	NM_028230.3	137.76	161.57	153.71	165.87	149.17	175.81	273.36	329.73	170.96	102.10	204.82	221.88	157.01	200.85	170.13	268.07	310.41	399.04	0.29	0.09	0.99	0.05
ILMN_2654754	Gp38	NM_010329.1	7670.77	8243.36	6554.31	9221.21	8104.29	7042.89	9498.40	10216.32	9445.38	6473.66	7941.39	7495.32	8983.28	8806.78	8761.97	11427.45	10504.75	11733.21	0.47	0.02	0.02	0.00
ILMN_1219179	A830081L15Rik	AK044025	171.83	167.11	111.42	201.59	174.57	115.21	242.34	238.97	115.90	107.50	134.16	147.00	110.16	142.41	176.70	183.64	169.22	231.19	0.69	0.35	0.58	0.04
ILMN_1249579	Top3a	NM_009410.2	56.15	51.02	47.51	51.11	53.87	62.66	77.87	75.29	57.05	53.39	58.45	59.85	49.72	51.14	68.46	99.95	89.70	79.55	0.37	0.06	0.91	0.01
ILMN_1221454	Tnfrsf23	NM_024290.3	20.00	20.00	20.00	20.00	25.31	20.00	42.86	60.72	27.06	20.00	20.00	20.00	20.00	20.00	20.00	55.48	41.69	93.52	0.37	0.07	1.00	0.05
ILMN_1242630	EG627624	XM_894499.3	270.26	288.34	207.32	281.34	270.13	268.83	334.12	369.67	378.28	224.36	247.18	242.42	282.90	297.00	272.28	362.32	370.48	342.21	0.51	0.02	0.01	0.00
ILMN_2525423	Wwc1	NM_170779.1	277.27	365.03	329.30	375.85	342.40	327.02	399.62	346.94	418.18	322.82	391.97	378.63	352.08	429.11	360.27	695.84	676.18	609.74	0.45	0.12	0.65	0.00
ILMN_1230221	2310037I24Rik	NM_133714.4	344.60	306.60	276.08	348.33	350.84	301.34	373.45	435.80	339.72	293.70	399.94	420.45	394.35	485.03	447.11	556.52	524.63	596.04	0.39	0.10	0.21	0.01
ILMN_2588315	Rbpj	NM_009035.4	21.70	20.54	20.00	20.00	28.06	20.00	20.00	28.71	26.88	20.00	20.00	20.00	20.00	20.00	20.00	34.00	41.62	27.27	0.52	0.17	1.00	0.03
ILMN_2518546	Vhlh	NM_009507.3	1152.92	1309.63	447.65	1287.95	1293.71	510.07	2082.13	2113.58	1020.25	520.13	511.56	564.44	560.62	515.72	765.97	1086.52	780.45	1249.68	0.88	0.16	0.36	0.02
ILMN_2776952	Tmem55b	NM_001033271.3	3207.90	3334.29	3132.58	3687.85	3486.23	3270.82	4345.73	5191.89	4886.34	3407.62	3643.71	3586.92	3381.00	3811.68	3925.22	5436.78	5094.67	6223.46	0.13	0.00	0.43	0.00
ILMN_1251617	Utrn	AK087303	25.72	44.86	20.00	42.71	33.89	20.00	62.69	87.81	40.06	20.00	20.50	27.79	20.00	25.45	24.14	38.24	55.29	64.11	0.85	0.10	0.89	0.02
ILMN_2609654	Tmem144	NM_027495.4	76.12	62.89	23.49	82.69	85.23	20.00	139.25	170.77	66.35	20.00	23.27	27.40	23.33	20.00	31.76	81.80	39.52	80.63	0.77	0.11	0.74	0.04
ILMN_2677772	Srxn1	NM_029688.2	921.63	901.90	1009.58	943.67	1000.95	1112.01	1152.96	1141.65	1345.37	1093.63	1130.01	1275.02	1450.66	1456.01	1598.82	2089.08	2138.04	2109.73	0.28	0.02	0.01	0.00
ILMN_2514377	Cxadr	NM_009988	1492.17	1399.34	835.01	1587.38	1576.66	870.27	1304.29	1684.37	1029.68	856.55	1067.19	1082.46	1012.24	1019.71	1220.73	1492.07	1501.32	1806.04	0.76	0.75	0.46	0.01
ILMN_2765741	Mxi1	NM_001008543.2	914.10	994.91	189.85	1039.57	1006.13	205.78	2891.79	3447.73	922.38	228.29	247.31	375.97	290.43	323.11	482.70	865.71	812.99	1675.32	0.90	0.10	0.34	0.04
ILMN_1224390	1700129I04Rik		22.47	20.70	39.29	21.49	38.55	27.44	43.31	31.53	71.83	30.59	24.72	26.34	31.22	26.44	27.84	38.93	38.43	46.04	0.84	0.18	0.60	0.01
ILMN_2863332	Anxa8	NM_013473.2	863.66	841.58	467.30	989.62	1008.30	421.57	1460.51	1656.28	808.27	616.29	651.18	888.00	602.73	697.69	960.97	1169.56	1231.98	1779.27	0.74	0.11	0.81	0.03
ILMN_2630710	Zfp623	NM_030199.3	999.68	1083.69	1344.81	1147.10	1146.59	1370.62	1494.66	1450.72	1942.16	1263.85	972.85	1011.15	1175.99	1069.93	1119.53	1888.99	1663.10	1542.04	0.57	0.06	0.70	0.01
ILMN_1216639	Pak3	NM_008778.2	831.80	838.39	985.18	878.95	877.53	1100.15	1239.42	1087.10	1496.47	824.11	758.53	741.50	842.05	678.93	676.88	1329.33	1115.20	1084.64	0.49	0.04	0.52	0.01
ILMN_1247075	Npc1	NM_008720.2	365.74	382.68	230.12	447.22	408.43	216.81	758.84	912.03	420.31	222.11	221.92	240.24	234.19	256.54	302.08	534.39	483.22	648.75	0.73	0.07	0.16	0.00
ILMN_1249426	Socs4	NM_080843.2	238.60	231.94	298.08	249.81	249.57	324.12	337.11	372.34	629.71	335.21	258.76	227.44	308.31	240.82	226.42	536.55	413.86	394.99	0.60	0.11	0.73	0.03
ILMN_2696826	1700065A05Rik	XM_283972	64.56	66.37	73.48	69.28	64.40	86.45	83.40	90.07	171.98	90.94	65.68	66.58	80.55	70.57	63.94	120.45	127.84	101.14	0.51	0.18	0.79	0.02
ILMN_2964816	2310008H04Rik	NM_146068.2	71.80	79.63	49.54	66.29	81.44	64.26	66.96	96.36	70.83	39.55	54.74	72.92	70.82	64.61	66.69	100.59	101.83	111.12	0.74	0.44	0.30	0.01
ILMN_2430906	2310051E17Rik	XM_001479552.1	2876.90	3242.95	1386.69	3324.32	3419.26	1394.00	3704.82	3622.02	1719.65	1135.42	1358.23	1419.38	1566.94	1717.88	1910.26	1843.11	1772.36	2540.43	0.82	0.58	0.03	0.05
ILMN_2898917	Otub2	NM_026580.1	69.48	62.99	66.56	80.14	68.83	64.64	114.83	102.72	81.77	75.06	89.26	75.16	68.10	83.39	96.96	134.02	109.03	122.87	0.39	0.03	0.77	0.01
ILMN_2622560	Chkb	NM_007692.5	685.83	682.45	479.49	736.17	762.01	489.63	1187.99	1200.63	765.02	501.19	639.37	741.34	536.14	643.48	687.37	998.75	1030.07	1076.88	0.69	0.05	0.96	0.01
ILMN_2491462	Peli2	NM_033602	125.28	93.86	149.11	114.15	117.04	160.30	187.46	173.02	151.85	71.50	98.94	90.43	106.70	107.95	111.21	189.77	141.77	141.73	0.74	0.07	0.06	0.02
ILMN_2564650	Sin3a	AK037457	65.15	67.19	55.87	71.88	58.49	70.98	92.27	100.93	82.47	45.80	60.17	58.90	49.85	66.00	70.78	76.20	111.92	85.52	0.47	0.01	0.41	0.04
ILMN_1240979	Rbm38	NM_019547.2	119.20	97.26	157.81	116.90	103.71	183.83	150.32	188.89	342.09	172.87	146.62	177.25	187.69	169.25	149.99	351.14	311.23	305.22	0.76	0.17	0.83	0.00
ILMN_1253798	4933407L23Rik	AK030165	98.48	94.30	53.66	95.41	93.21	68.14	142.08	116.75	122.46	36.10	78.24	76.97	55.09	92.76	71.95	100.48	113.19	132.94	0.85	0.05	0.62	0.04
ILMN_2616309	Pttg1ip	NM_145925.2	7853.86	8296.23	10082.43	8845.01	8263.64	10857.14	13362.15	11223.13	14647.28	10005.87	9876.87	8667.81	10404.11	10831.30	9614.52	16680.75	16126.07	13433.23	0.61	0.02	0.24	0.01
ILMN_2997406	Arl4c	NM_177305.3	162.58	177.42	152.16	204.21	181.23	143.22	191.45	198.83	242.92	181.53	232.95	229.82	205.37	201.02	233.92	353.83	363.86	373.47	0.56	0.06	0.95	0.00
ILMN_3139514	Tbx3	NM_011535.2	194.73	169.35	146.09	198.08	206.70	141.73	253.93	283.05	144.27	134.25	201.04	184.77	243.28	217.54	223.03	260.23	276.46	251.53	0.65	0.27	0.06	0.01
ILMN_2939702	Dhrs7	NM_025522.1	279.38	219.18	129.06	302.30	279.52	112.62	374.07	472.15	226.24	110.88	165.06	191.43	175.06	284.85	266.40	280.93	337.02	331.47	0.78	0.15	0.11	0.01
ILMN_1258965	Tmem66	NM_026432.2	5339.61	5303.30	4613.64	5684.63	5543.63	4990.32	8289.65	7034.25	6987.83	4599.69	4694.35	4878.07	5342.90	4841.29	4624.92	7171.51	6943.05	7403.39	0.37	0.01	0.40	0.00
ILMN_2811746	Casp4	NM_007609.1	282.64	214.49	55.89	261.80	275.60	56.48	261.09	338.85	78.18	44.47	63.88	67.76	61.13	67.04	98.98	133.27	82.27	128.66	0.90	0.70	0.28	0.03
ILMN_2589107	Runx1	NM_009821.1	337.29	314.18	310.06	341.21	366.02	315.98	426.78	532.50	422.97	255.27	264.94	280.25	301.33	277.06	342.18	414.48	412.41	457.70	0.29	0.02	0.12	0.00
ILMN_1260112	2400003C14Rik	NM_028018.1	1018.66	1057.26	230.51	883.72	1161.92	290.02	1445.41	1607.34	325.93	329.25	464.64	414.25	424.53	403.91	632.05	699.67	560.81	877.02	0.98	0.50	0.37	0.04
ILMN_1233167	Arl10c	NM_026011	215.49	221.43	324.55	255.46	223.20	325.65	372.76	363.05	605.05	301.22	224.75	233.98	270.88	250.69	235.70	468.91	403.51	366.54	0.77	0.09	0.97	0.01
ILMN_2630423	Ikbkg	NM_178590.3	102.33	107.19	133.14	130.94	98.46	135.57	142.36	132.01	180.75	118.89	117.60	100.42	134.47	121.62	112.38	202.12	211.79	168.70	0.65	0.10	0.30	0.00
ILMN_1227663	Sgms2	NM_028943.3	68.96	63.97	83.67	67.03	69.04	95.40	121.16	127.99	226.54	57.49	73.90	66.68	80.49	70.83	65.40	262.53	228.06	185.78	0.67	0.07	0.39	0.00
ILMN_2743802	Hmga2	NM_010441.2	86.17	92.66	20.00	73.55	129.80	20.00	116.94	276.69	37.87	20.00	20.48	29.13	32.52	20.00	47.63	105.67	83.37	153.44	0.85	0.35	0.30	0.01
ILMN_3150811	Tsc22d3	NM_001077364.1	5337.97	5275.23	4005.63	6012.23	6340.39	3537.90	8608.61	8634.38	4751.09	3220.09	4912.86	4200.22	4823.74	7184.96	7238.07	5944.58	6512.08	6895.69	0.69	0.15	0.07	0.01
ILMN_1258916	Atp13a3	XM_001480958.1	358.15	324.87	286.52	353.13	328.67	343.39	402.20	456.22	488.70	317.55	302.53	294.50	340.56	291.73	273.47	529.25	541.57	494.41	0.44	0.02	0.90	0.00
ILMN_1229066	5730427M17Rik	NM_175297.2	31.03	48.41	37.78	51.45	50.85	25.90	61.33	51.76	45.27	28.51	39.22	37.16	28.24	32.28	34.97	49.40	55.17	51.55	0.73	0.12	0.46	0.01
ILMN_2996904	Obfc2a	NM_028696.2	133.13	138.58	77.51	139.92	151.99	80.27	184.42	269.85	151.83	89.11	109.50	109.22	90.83	108.07	108.19	182.83	223.17	235.73	0.81	0.10	0.98	0.00
ILMN_1238185	LOC386112	XM_359073.1	539.74	567.25	390.79	772.75	594.90	310.22	902.26	1740.53	609.10	405.46	380.60	412.01	427.58	435.39	414.20	732.99	698.03	815.77	0.70	0.16	0.08	0.00
ILMN_3089725	Cxadr	NM_001025192.2	60.39	66.38	118.36	76.56	77.80	94.84	82.71	72.24	172.94	81.55	85.79	90.92	86.75	91.38	98.16	148.56	116.64	124.98	0.95	0.50	0.23	0.01
ILMN_2617865	Gnptg	NM_172529.3	1872.99	1919.55	2349.46	1933.27	1948.55	2667.35	2773.28	2582.73	4015.71	2140.13	1943.41	2023.62	2341.46	2212.03	2034.26	3584.17	2912.24	3004.12	0.66	0.09	0.20	0.01
ILMN_2608052	Smox	NM_145533.1	20.00	22.76	21.07	20.00	24.10	23.67	20.00	22.74	26.76	20.00	25.58	20.03	20.00	26.33	38.74	31.63	38.52	45.47	0.44	0.42	0.33	0.02
ILMN_2717667	Pim3	NM_145478.1	3087.47	3186.53	2044.32	3402.65	3265.93	2151.96	4999.79	5166.18	3181.65	2240.43	2384.83	2318.57	2163.00	2798.41	2512.97	3395.27	3822.82	4086.31	0.77	0.08	0.40	0.00
ILMN_2588882	Slc41a2	NM_177388.3	287.54	291.96	343.82	299.28	297.00	385.85	366.31	377.29	584.74	302.24	241.50	287.40	283.82	261.60	273.15	442.55	458.53	416.27	0.60	0.14	0.84	0.00
ILMN_1228414	Smad2	NM_010754.4	416.75	398.50	433.99	395.83	404.26	532.37	469.70	496.55	627.76	444.88	331.42	319.49	378.66	314.37	317.79	676.76	527.38	484.61	0.57	0.08	0.56	0.05
ILMN_2746695	Nln	NM_029447.2	42.91	39.60	90.47	45.18	52.50	76.55	87.58	66.17	183.89	72.45	80.38	79.04	67.68	64.68	68.58	142.41	149.07	132.61	0.98	0.24	0.02	0.00
ILMN_3144200	P2rx7	NM_001038839.1	20.00	20.00	20.00	20.00	23.61	20.00	41.32	29.93	26.21	20.00	28.47	20.00	20.00	22.73	20.00	34.90	49.68	63.47	0.37	0.05	0.55	0.04
ILMN_2750062	Arhgap24	NM_029270.1	20.00	20.00	25.48	21.22	20.00	28.34	35.70	20.00	20.00	26.19	25.99	22.48	20.00	35.35	23.92	32.05	45.79	35.65	0.69	0.57	0.76	0.04
ILMN_2689138	2310044G17Rik	NM_173735.2	216.84	228.83	257.96	230.02	214.90	305.12	361.55	348.40	632.70	335.31	256.29	246.28	401.33	290.06	280.32	601.70	535.31	494.37	0.64	0.08	0.40	0.00
ILMN_2818717	Aftph	NM_181411.2	1528.08	1434.25	1268.22	1535.41	1523.69	1398.17	1682.84	1840.07	2042.07	1218.73	1256.35	1492.69	1980.39	1644.89	2120.83	1904.02	2102.24	2078.90	0.44	0.03	0.02	0.00
ILMN_2717439	Pip4k2a	NM_008845.4	1025.84	995.17	990.95	1134.26	1069.49	980.29	1342.50	1321.78	1523.37	996.17	1021.40	1002.86	910.88	961.12	949.42	1606.90	1474.84	1474.50	0.28	0.00	0.02	0.00
ILMN_1238967	Kif3c	NM_008445.2	111.30	94.31	22.32	92.94	115.12	25.71	100.41	112.90	29.07	23.64	23.65	37.91	30.99	27.77	44.84	51.06	47.19	55.20	0.96	0.90	0.43	0.01
ILMN_1214353	Ifrd1	NM_013562.1	520.27	472.03	123.04	508.64	586.64	118.78	758.07	1312.31	248.48	117.03	153.59	205.29	138.17	135.28	234.43	380.67	341.56	585.72	0.87	0.29	0.81	0.03
ILMN_2759945	Ptpn12	NM_011203.2	128.95	118.83	162.68	141.07	130.93	158.22	179.80	214.00	292.46	137.61	134.32	131.36	157.20	152.81	120.99	278.20	226.95	234.61	0.69	0.06	0.47	0.00
ILMN_2747430	Atp7a	NM_009726.3	381.95	373.96	231.15	393.02	379.07	259.81	555.22	530.43	364.25	242.89	298.92	294.50	292.47	272.49	318.17	388.27	462.02	561.00	0.83	0.12	0.52	0.02
ILMN_2618549	Rab7	NM_009005.1	270.05	355.59	488.98	351.64	286.84	545.41	404.82	466.55	712.91	436.02	413.56	405.02	388.49	488.25	381.69	710.14	643.35	586.38	0.83	0.24	0.97	0.00
ILMN_1227914	LOC667337	XM_990977.1	107.66	128.57	93.50	129.57	115.32	101.35	147.15	147.59	162.52	76.98	97.09	101.03	99.12	88.51	112.21	139.01	128.26	144.62	0.69	0.02	0.46	0.01
ILMN_2556771	9330171D12Rik	AK034275	46.57	50.35	50.97	46.79	44.63	66.96	67.07	71.67	82.33	55.01	58.21	53.09	72.78	61.33	61.92	80.59	86.81	85.28	0.65	0.01	0.07	0.00
ILMN_2522345	D930014N22Rik		56.61	49.18	56.34	71.07	49.70	51.72	76.42	71.41	77.40	43.50	41.49	62.73	44.92	45.29	57.02	88.06	70.53	78.17	0.66	0.00	0.98	0.02
ILMN_1239110	Eef2	NM_007907.1	2784.72	2936.80	3938.11	3058.17	2841.56	4313.42	4106.68	4406.02	6263.59	4105.13	4171.97	3967.11	4039.39	4050.17	3941.91	6025.56	6302.51	6283.87	0.77	0.09	0.36	0.00
ILMN_1254307	1810011O10Rik	NM_026931.2	20.00	20.00	20.00	23.25	20.00	20.00	21.66	20.42	20.00	20.00	20.00	20.00	20.00	20.00	20.00	27.94	46.40	36.75	0.37	0.24	1.00	0.03
ILMN_2611532	Slc25a19	NM_026071.2	45.33	40.55	94.15	60.78	36.88	89.62	79.64	64.27	80.57	55.65	60.07	80.42	60.43	65.79	74.01	110.63	99.97	88.04	0.92	0.45	0.88	0.03
ILMN_1225363	E430025E21Rik	NM_153548.2	1577.96	1525.03	390.15	1551.41	1707.70	410.68	2629.97	3420.52	1006.17	469.90	531.09	666.51	486.55	485.39	767.70	1397.18	1205.38	2185.32	0.92	0.22	0.84	0.03
ILMN_1213680	Zmym6	NM_177462.4	112.17	86.96	41.90	113.48	105.35	39.54	172.36	272.83	83.17	28.95	35.26	57.26	44.48	43.29	87.99	94.21	80.17	128.54	0.86	0.18	0.35	0.02
ILMN_2655510	LOC100048858	XM_001472990.1	369.53	369.26	198.33	369.30	429.45	197.32	588.92	672.73	299.62	221.04	249.82	331.39	254.69	299.18	333.03	463.36	419.88	504.01	0.84	0.18	0.52	0.01
ILMN_2727258	Mospd1	NM_027409.3	654.18	671.68	403.82	673.53	707.81	429.69	804.78	897.72	699.62	507.51	424.66	490.70	474.95	482.14	534.20	705.34	593.67	895.19	0.84	0.10	0.51	0.05
ILMN_2904083	Nup98	NM_022979.1	246.51	284.26	262.35	314.12	265.46	254.50	330.59	389.54	366.44	292.80	250.27	232.53	279.25	230.50	241.01	428.44	391.82	346.25	0.56	0.01	0.74	0.01
ILMN_1257873	Layn	XM_146887.7	55.25	64.74	90.46	68.18	56.97	96.15	97.33	73.70	139.83	69.63	103.77	76.12	102.71	90.73	82.55	135.09	163.70	127.63	0.83	0.20	0.50	0.02
ILMN_1240202	Fnip1	NM_173753.3	732.40	868.56	377.75	956.49	869.17	333.51	2165.11	2336.67	846.91	333.72	529.76	548.94	401.47	447.11	535.00	894.90	932.52	1278.33	0.82	0.08	0.91	0.02
ILMN_2614462	Krt19	NM_008471.2	123.47	118.94	156.49	108.73	130.02	187.56	167.40	138.64	183.76	90.17	85.74	100.04	89.81	89.80	73.58	162.34	157.74	124.65	0.75	0.16	0.33	0.01
ILMN_1235365	Ralgps1	NM_175211.2	81.86	82.60	29.40	70.72	73.40	44.18	117.75	151.78	54.64	42.13	94.07	84.37	64.28	61.87	72.71	152.43	118.43	147.98	0.93	0.26	0.68	0.03
ILMN_2689513	Orc4l	NM_011958.3	115.38	96.85	40.10	115.24	128.85	34.80	142.78	149.70	54.49	46.50	61.79	46.94	29.90	54.50	52.75	71.54	80.02	85.72	0.82	0.45	0.56	0.01
ILMN_2527514	LOC380854	XM_354759.1	122.79	139.36	43.45	117.28	160.24	45.61	180.34	205.33	56.20	47.77	56.84	37.53	50.46	48.58	59.59	89.65	76.53	82.07	0.90	0.45	0.45	0.01
ILMN_1237639	D030070I18Rik	AK051096	20.00	20.00	26.87	29.58	20.55	20.34	35.85	20.00	46.37	21.94	20.00	20.00	20.00	20.00	20.00	47.08	39.19	33.00	0.77	0.21	0.37	0.01
ILMN_2613806	D330001F17Rik	XM_283282.2	1634.99	1552.44	2116.00	1658.05	1599.20	2327.87	2558.35	2301.65	3958.30	2254.14	2078.49	2205.68	2243.59	2087.30	1882.26	3718.10	3624.29	3331.72	0.76	0.10	0.41	0.00
ILMN_2907322	Dtx2	NM_023742.1	975.85	988.72	856.47	1014.51	1044.86	895.40	1310.38	1322.88	1227.51	907.70	1060.33	929.31	913.06	919.92	1017.30	1561.79	1623.18	1392.43	0.51	0.00	0.80	0.00
ILMN_2632665	Cav1	NM_007616.3	17036.12	17178.06	11606.22	18255.14	18935.83	11282.94	25425.28	27579.72	17196.08	9140.73	10717.56	10450.11	10454.94	11548.23	12270.86	19942.62	18288.00	19958.63	0.79	0.09	0.14	0.00
ILMN_2730514	Herpud2	NM_020586.1	133.67	103.45	169.32	124.61	128.53	167.86	170.72	205.71	264.22	135.10	148.42	126.40	168.93	132.06	133.54	226.26	238.66	169.03	0.85	0.08	0.58	0.03
ILMN_1214358	Akt1s1	NM_026270.3	454.70	542.31	625.36	507.39	511.32	682.19	739.12	838.75	1303.76	603.23	512.41	564.34	694.31	554.53	596.04	1017.28	970.05	842.60	0.75	0.08	0.33	0.00
ILMN_2619574	Slc35e3	NM_029875.2	1570.20	1661.95	2073.49	1576.96	1579.04	2484.40	2457.22	2395.83	4031.45	2381.25	1980.32	1991.96	2226.29	2133.75	2006.13	3828.42	3669.11	3516.75	0.76	0.10	0.98	0.00
ILMN_2620729	Commd9	NM_029635.3	304.26	321.82	375.82	325.04	341.24	379.08	432.34	422.98	491.68	369.75	361.79	380.50	418.74	375.74	374.66	607.19	542.61	555.78	0.62	0.02	0.29	0.00
ILMN_2604086	Hltf	NM_144959.2	42.02	20.00	20.00	42.94	22.36	20.00	50.12	68.04	20.00	20.00	20.00	20.00	26.06	20.00	28.23	35.30	25.63	30.69	0.92	0.30	0.13	0.02
ILMN_1226596	6330401K01Rik	AK031803	70.73	74.77	55.88	81.77	79.51	51.85	81.87	78.98	45.62	45.95	53.24	55.35	47.43	59.13	71.72	68.55	87.64	86.10	0.74	0.90	0.35	0.01
ILMN_2503361	Xpot	NM_001081056.1	3022.40	3048.41	2987.58	3093.46	3275.69	3097.84	4039.45	4322.26	4406.54	3600.14	2823.11	2819.87	3181.35	2982.62	3156.54	4816.68	4469.57	4619.38	0.10	0.00	0.93	0.01
ILMN_1253204	Hipk3	NM_010434.1	37.82	36.64	67.84	38.77	42.83	64.56	51.98	54.56	87.40	49.46	60.60	47.32	47.73	54.63	45.86	131.41	101.02	123.96	0.93	0.32	0.57	0.00
ILMN_1256698	Wdr43	XM_917905.3	626.71	588.38	712.71	683.81	602.86	726.94	799.60	858.26	1010.83	679.69	749.89	740.59	661.35	706.31	705.42	1147.87	1103.84	1136.12	0.61	0.03	0.29	0.00
ILMN_2637930	Tchp	NM_029992.2	214.72	216.01	139.33	201.41	207.90	175.96	254.42	271.03	250.22	146.61	197.04	186.73	240.12	211.35	206.90	256.36	282.77	257.89	0.86	0.06	0.08	0.01
ILMN_2585738	A730086L23Rik	AK080555	796.53	843.52	970.37	856.22	833.10	1041.81	987.39	1107.27	1753.76	977.50	973.60	901.02	954.41	917.19	858.25	1534.15	1401.75	1405.04	0.66	0.17	0.34	0.00
ILMN_1252263	Uqcrb	AK017907	286.33	312.31	288.11	315.83	298.80	310.62	394.19	375.71	508.47	287.50	317.64	281.52	345.13	316.57	313.37	498.43	481.42	478.98	0.26	0.04	0.12	0.00
ILMN_2511249	scl0002785.1_49	AK077020.1	95.12	120.98	109.12	105.59	107.32	126.03	129.86	239.61	252.45	81.07	126.52	138.04	88.50	96.00	130.01	186.93	207.58	182.64	0.67	0.07	0.66	0.02
ILMN_1243077	Peo1	NM_153796.3	124.84	155.69	190.20	144.61	165.59	175.39	198.32	195.18	260.45	152.51	168.46	160.13	159.30	179.11	184.00	236.74	267.48	294.86	0.82	0.10	0.19	0.00
ILMN_1214571	Cd109	NM_153098.2	841.07	852.27	857.13	892.03	891.90	876.73	1301.52	1088.45	1193.08	864.89	719.00	721.85	958.24	752.92	857.13	1322.44	1108.98	1060.84	0.01	0.01	0.32	0.01
ILMN_3143483	Lat2	NM_022964.3	68.71	74.21	95.43	80.60	76.83	89.20	94.13	93.82	125.69	115.38	91.35	94.09	124.02	114.04	101.22	163.55	152.88	154.30	0.77	0.13	0.27	0.00
ILMN_2420465	Zfp703	XM_912161.3	154.69	173.07	164.84	170.13	153.66	191.58	253.57	253.25	230.67	189.84	189.35	166.68	181.58	195.32	190.27	341.64	278.65	303.10	0.57	0.00	0.46	0.00
ILMN_2651197	Ptpn12	NM_011203.2	187.07	207.02	191.03	204.36	205.92	199.50	214.33	305.48	223.69	204.21	166.62	172.21	190.15	179.05	169.16	306.10	270.91	304.33	0.27	0.15	0.91	0.00
ILMN_2749448	Plekho2	NM_153119.2	996.11	929.87	996.17	996.52	986.36	1063.66	1107.30	1539.08	2042.83	973.18	1128.02	1182.58	1219.35	1075.73	1085.65	1600.12	1692.09	1632.85	0.27	0.10	0.70	0.00
ILMN_2531737	LOC240672	XM_140740.3	206.26	233.87	198.52	222.82	226.76	214.49	237.60	292.36	289.73	217.40	186.71	207.64	169.74	199.27	187.76	332.99	396.12	354.52	0.50	0.04	0.22	0.00
ILMN_2538355	LOC386233	XM_359128.1	213.21	209.32	71.53	294.39	189.86	64.61	278.42	492.35	107.94	97.42	104.86	119.84	76.76	136.37	131.27	157.49	157.08	169.38	0.83	0.35	0.73	0.00
ILMN_2611993	Tbc1d17	NM_001042655.1	200.09	223.85	296.27	196.50	224.62	339.57	481.00	409.56	858.96	323.69	262.12	266.56	328.95	250.16	250.75	503.57	469.49	427.64	0.81	0.07	0.83	0.00
ILMN_1254327	Eid3	NM_025499.2	20.00	20.00	20.00	22.59	20.00	20.00	22.01	26.77	27.70	20.00	20.00	25.49	30.62	20.00	23.43	80.26	53.38	75.18	0.37	0.04	0.48	0.00
ILMN_1214706	C430014G13Rik	AK049453	20.50	20.00	20.00	23.14	20.00	20.00	21.90	49.12	33.44	20.00	20.00	20.00	20.00	24.50	20.00	35.48	29.25	35.76	0.45	0.14	0.37	0.00
ILMN_1227495	Pot1b	NM_028370.1	20.00	26.23	20.00	20.00	29.60	20.00	43.36	30.55	20.00	20.00	23.01	20.00	29.08	20.00	20.00	27.10	36.90	33.95	0.78	0.26	0.56	0.02
ILMN_2619286	Rabep1	NM_019400.1	217.34	224.73	185.71	233.32	270.96	161.67	318.40	316.90	216.94	125.47	172.63	213.31	156.77	178.25	190.48	272.71	262.16	290.74	0.73	0.10	0.87	0.02
ILMN_2550740	A430024H01Rik	AK020747	122.56	150.06	151.00	132.89	119.68	196.60	161.78	179.97	198.51	182.32	146.17	142.87	176.46	176.42	162.21	249.31	282.41	225.44	0.76	0.05	0.34	0.01
ILMN_2636403	Axud1	NM_153287.3	556.23	507.89	533.56	562.40	523.23	576.59	641.73	692.22	725.92	524.15	520.67	476.93	541.09	507.37	453.94	850.34	815.54	734.37	0.37	0.01	0.84	0.00
ILMN_1248556	A730062O07Rik	AK043167	27.21	22.21	42.24	29.68	20.68	46.72	49.13	41.55	121.82	38.52	46.26	43.14	40.46	41.65	47.84	69.35	59.93	69.85	0.86	0.20	0.84	0.00
ILMN_1255851	Sema4f	NM_011350	77.25	76.16	62.32	87.67	58.42	80.42	113.90	90.08	84.71	85.66	89.96	89.39	100.44	103.88	89.05	127.03	156.09	131.89	0.74	0.08	0.11	0.01
ILMN_3133817	Arhgap12	NM_029277.2	298.03	248.55	250.58	299.69	289.60	240.08	372.28	374.48	343.46	207.43	234.01	214.83	227.69	225.95	190.26	387.12	317.76	356.07	0.68	0.01	0.79	0.00
ILMN_1242900	Srfbp1	NM_026040.2	524.03	472.10	213.15	542.75	513.53	211.94	700.42	924.35	327.47	224.80	237.68	297.13	257.37	256.41	343.98	458.77	418.30	518.81	0.90	0.28	0.42	0.00
ILMN_2739599	Nr6a1	NM_010264.3	119.34	141.85	102.73	156.20	109.22	114.18	180.89	177.19	147.38	107.57	112.67	103.05	105.78	109.86	99.30	172.82	149.53	169.72	0.79	0.04	0.54	0.00
ILMN_2898637	Wwc1	NM_170779.1	150.28	172.85	186.36	161.03	167.32	201.13	175.63	267.90	235.14	266.60	192.52	191.99	251.99	223.00	230.23	335.85	445.32	423.10	0.70	0.12	0.53	0.01
ILMN_2752933	Tec	NM_013689.4	40.80	20.00	20.00	28.69	29.86	21.27	61.45	78.16	30.95	20.00	49.82	44.49	20.00	30.96	28.65	61.13	93.83	99.02	0.97	0.13	0.30	0.04

ILMN_2766455	Lrrc8d	NM_178701.2	605.35	569.64	584.93	622.32	583.14	620.60	795.43	816.26	879.40	863.11	826.38	793.54	1139.43	1072.54	1003.80	1575.91	1465.16	1379.94	0.25	0.00	0.01	0.00
ILMN_2489047	LOC665566	XM_977814.1	20.00	20.00	20.00	20.00	20.00	22.25	23.86	20.72	36.84	20.00	20.00	20.00	20.00	20.00	20.00	38.11	28.95	26.81	0.37	0.22	1.00	0.03
ILMN_1259132	Osbpl2	NM_144500.3	954.91	984.55	867.94	1065.12	1068.77	796.97	1300.48	1417.81	1052.09	774.02	740.10	931.56	1076.08	1006.33	1076.16	1316.40	1275.72	1228.10	0.69	0.05	0.02	0.00
ILMN_3025192	Hel308	NM_001081107.1	163.17	137.10	152.05	174.64	157.90	136.98	203.31	336.97	211.40	124.07	154.25	116.61	108.26	158.41	144.14	163.92	232.61	215.72	0.69	0.09	0.79	0.04
ILMN_1214514	Slc39a14	NM_144808.4	20.00	20.00	21.38	20.00	23.73	20.00	26.85	20.00	21.20	20.00	20.00	20.90	34.77	24.97	20.00	54.25	48.90	52.03	0.59	0.36	0.22	0.00
ILMN_1234799	Tmem120b	NM_001039723.2	60.93	49.32	93.33	58.05	60.09	88.92	116.85	71.23	153.87	94.37	74.27	78.86	82.18	93.86	75.25	123.98	153.98	140.71	0.95	0.17	0.88	0.01
ILMN_2824593	Kbtbd2	NM_145958.1	2143.55	2113.91	1927.89	2232.82	2123.40	2035.72	2948.30	2794.43	3361.07	2064.80	2031.76	2017.87	2028.74	1879.02	1951.21	3712.01	3083.75	3391.10	0.48	0.01	0.13	0.00
ILMN_2775307	Lamc2	NM_008485.3	363.02	315.94	415.50	345.59	375.32	405.52	441.81	398.88	652.86	306.66	350.48	313.63	296.43	321.53	280.41	605.86	481.19	531.06	0.77	0.19	0.25	0.01
ILMN_2584490	6030443O07Rik	NM_001081225.1	1429.65	1405.20	1726.04	1498.49	1475.97	1729.56	1911.78	2101.13	2523.19	1605.41	1504.06	1431.42	1540.49	1471.74	1432.38	2392.85	2314.51	2271.25	0.73	0.03	0.62	0.00
ILMN_1223192	LOC676748	XR_004961.1	583.69	539.70	247.88	537.91	612.00	261.63	793.81	808.19	323.36	297.29	295.96	357.11	314.90	300.10	362.50	521.58	414.36	537.58	0.93	0.39	0.76	0.02
ILMN_1230864	Clasp1	XM_922019.2	183.52	171.55	250.81	196.70	198.82	222.39	265.82	283.67	473.83	254.96	201.44	230.73	238.20	213.50	225.62	423.95	337.93	333.12	0.88	0.12	0.86	0.02
ILMN_2731999	Gnptg	NM_172529.3	1887.13	1889.38	2330.24	2134.65	1957.15	2190.15	2507.51	2646.99	3381.92	1970.80	2126.49	2102.18	2056.57	2314.77	2186.97	2947.17	3274.71	3286.52	0.74	0.06	0.25	0.00
ILMN_1231670	D230037D09Rik	NM_177140.2	567.93	543.56	225.52	479.92	576.15	277.22	917.75	1027.82	475.25	251.69	273.28	324.55	328.12	304.52	409.47	782.32	477.30	748.79	0.99	0.15	0.17	0.02
ILMN_2807474	Nsmce2	NM_026746.1	3748.80	3359.51	4153.59	3843.40	3428.66	4368.78	4874.17	4772.37	6822.95	4247.58	4203.52	3919.33	3991.34	3913.94	4170.25	6449.68	6382.32	5874.79	0.74	0.07	0.48	0.00
ILMN_2772752	Fbxl15	NM_133694.2	473.87	461.44	625.56	470.03	470.74	679.81	717.99	741.70	1040.85	513.54	484.34	532.83	525.50	516.02	514.09	770.24	776.24	771.46	0.83	0.05	0.60	0.00
ILMN_2599295	Rbm19	NM_028762.1	504.57	485.60	462.91	521.48	505.05	473.35	638.04	780.91	687.26	387.54	549.94	512.64	479.30	529.23	545.50	678.36	801.44	776.84	0.45	0.01	0.55	0.01
ILMN_2788673	Pgm2	NM_028132.2	1553.12	1628.15	828.87	1851.39	1682.87	738.63	3514.05	4009.98	1723.36	653.64	1110.89	1086.34	840.73	937.49	972.42	2661.25	1861.41	2555.52	0.85	0.08	0.84	0.01
ILMN_1233116	Map4k4	NM_008696.2	1071.31	1119.27	700.39	1222.52	1097.47	687.17	1215.02	1411.05	761.94	622.20	645.81	806.14	741.21	773.50	794.94	1090.95	891.57	1197.51	0.86	0.52	0.26	0.03
ILMN_2440868	Eea1	NM_001001932.3	471.21	496.85	172.06	537.31	580.24	141.63	629.44	738.42	250.03	127.27	202.54	199.10	164.01	195.61	230.66	317.56	317.02	347.35	0.83	0.43	0.55	0.00
ILMN_2953700	Smad1	NM_008539.3	2260.36	2260.11	1424.88	2363.51	2471.67	1365.49	2993.47	3052.51	2073.45	1336.47	1394.16	1341.82	1480.78	1452.89	1494.93	2411.77	2003.42	2639.86	0.86	0.16	0.01	0.01
ILMN_2701304	Ube2cbp	NM_027394.2	262.48	254.88	223.91	256.11	287.57	222.87	345.82	358.04	359.70	263.33	257.77	208.09	273.33	273.85	254.51	356.82	383.01	400.73	0.72	0.00	0.27	0.00
ILMN_1247942	Mgea5	AK044963	96.38	102.22	73.22	108.87	93.05	78.01	132.84	136.63	124.26	74.60	76.59	90.31	62.30	78.88	68.83	115.60	137.05	141.81	0.84	0.01	0.20	0.01
ILMN_2675433	Snapc4	NM_172339.2	366.82	362.62	471.00	347.05	376.63	522.86	500.51	536.80	826.61	444.30	360.21	426.23	453.08	394.47	412.23	715.27	701.38	584.85	0.82	0.11	0.77	0.01
ILMN_2461003	D430044G18Rik	NM_172628	78.93	54.05	26.24	61.24	71.39	27.89	74.87	90.58	36.45	27.19	43.55	40.81	23.28	31.98	31.08	82.76	55.28	74.51	0.98	0.56	0.22	0.02
ILMN_2775050	Arv1	NM_026855.3	240.97	217.01	170.41	225.45	235.18	183.01	260.48	251.31	197.21	203.97	229.46	222.21	180.43	212.34	216.35	343.28	322.70	351.70	0.86	0.40	0.32	0.00
ILMN_2642052	3010003L21Rik	XR_005252.1	71.32	33.77	64.28	46.51	55.41	65.35	49.93	64.82	86.41	43.40	63.65	46.96	63.67	82.23	70.18	152.10	105.65	113.46	0.96	0.54	0.07	0.01
ILMN_3160326	Prkg2	NM_008926.3	2829.59	2968.96	2530.73	2836.89	3155.04	2579.67	4110.55	4192.16	3620.13	2487.58	2980.44	2491.84	2252.70	2342.18	2832.85	4829.37	4766.53	4712.10	0.72	0.01	0.51	0.00
ILMN_2458765	Ahnak	NM_009643.1	12314.11	12691.80	12460.03	11518.04	13249.32	13854.00	16430.87	16209.69	18073.98	11325.78	11233.53	11247.67	11914.23	10233.00	11456.23	18348.58	17644.77	15486.83	0.62	0.00	0.90	0.00
ILMN_2994287	Hps3	NM_080634.2	480.42	450.66	413.21	510.33	487.84	388.91	595.87	643.09	656.41	425.66	345.10	367.93	413.23	358.48	370.64	688.27	521.65	587.89	0.75	0.00	0.97	0.02
ILMN_1218842	LOC381105	XM_355021.1	296.90	301.97	165.14	360.74	303.42	146.25	450.18	577.93	143.82	203.20	184.80	175.89	203.76	237.44	192.58	264.32	294.73	295.55	0.85	0.38	0.21	0.00
ILMN_1259339	Cdk5r1	NM_009871.2	556.10	629.27	484.51	602.51	595.49	510.23	812.70	953.73	729.49	538.91	447.76	534.20	498.98	489.42	489.13	861.35	785.71	730.80	0.82	0.02	0.65	0.00
ILMN_1233535	6330407J23Rik	NM_026138.2	300.29	278.07	318.34	293.98	304.58	320.46	361.09	323.17	403.96	335.02	332.14	329.88	338.23	329.05	325.87	467.55	506.14	539.88	0.62	0.07	0.76	0.00
ILMN_2667346	Srxn1	NM_029688.4	590.91	577.94	686.04	578.92	600.87	726.54	819.07	812.23	1051.98	884.04	672.85	764.55	992.70	944.19	911.88	1649.89	1265.39	1340.91	0.78	0.03	0.06	0.01
ILMN_2642681	Atf4	NM_009716.2	10459.61	11161.87	4828.39	11336.10	11502.62	4662.80	15934.34	18007.45	7154.63	5230.89	7981.83	8247.77	5501.24	7885.35	9278.85	9628.89	12854.42	15177.37	0.91	0.28	0.80	0.05
ILMN_1232041	Klf6	NM_011803.2	509.12	424.31	171.38	571.12	503.81	138.51	427.08	625.48	161.59	167.13	271.65	285.71	229.32	272.00	314.95	328.90	365.28	433.84	0.84	0.84	0.53	0.05
ILMN_1236168	C030034J23Rik	AK081262	76.57	60.51	50.87	79.51	56.85	56.04	173.67	159.20	80.69	70.77	59.86	73.15	46.70	59.16	66.32	186.52	149.51	96.72	0.90	0.07	0.21	0.04
ILMN_2432040	Zzz3	NM_198416.2	59.01	52.95	59.12	49.88	50.64	78.45	91.35	102.90	166.81	69.57	60.26	64.37	47.44	61.79	57.01	138.24	117.43	127.04	0.80	0.05	0.14	0.00
ILMN_2776075	Atp6v1c1	NM_025494.1	3051.79	2652.70	1542.69	3026.17	2856.47	1547.48	5169.48	5520.53	3170.66	1665.53	2312.18	2227.74	1758.85	2352.89	2223.03	4360.57	4322.95	5490.80	0.93	0.06	0.88	0.00
ILMN_2732721	Flt1	NM_010228.3	20.00	20.00	25.80	20.00	20.00	27.55	23.40	20.00	42.20	20.00	20.00	21.26	27.40	20.00	20.98	45.07	33.72	34.92	0.86	0.41	0.37	0.01
ILMN_2679695	Mterfd2	NM_178051.3	336.44	318.76	373.01	373.69	334.27	341.30	517.91	458.35	472.51	347.97	394.10	346.85	385.70	413.53	410.04	557.10	567.09	516.10	0.74	0.00	0.09	0.00
ILMN_2698430	Bcl2l1	NM_009743.4	150.34	149.11	186.26	171.44	155.04	167.41	193.57	308.63	302.12	222.65	168.03	165.19	214.45	163.04	164.58	300.27	343.97	345.61	0.85	0.05	0.86	0.00
ILMN_2588765	Hrmt1l6	NM_178891.3	89.02	69.40	81.43	76.43	103.59	67.64	102.76	124.02	94.48	61.75	68.62	69.79	77.70	85.05	73.61	125.06	128.67	88.34	0.84	0.06	0.04	0.02
ILMN_2590884	Plaur	NM_011113.3	86.05	117.03	78.93	110.70	102.72	74.40	120.71	135.92	109.03	93.70	129.22	120.56	103.58	125.35	127.69	145.80	234.35	224.48	0.91	0.12	0.76	0.04
ILMN_1226703	Ndor1	NM_001082476.1	162.37	155.61	171.54	173.56	158.69	167.27	196.41	227.92	240.18	160.53	111.91	153.47	189.32	167.24	147.07	216.41	220.50	207.77	0.63	0.01	0.25	0.01
ILMN_2666279	Arrdc3	NM_178917.2	462.69	430.54	207.15	478.17	481.51	190.18	988.86	913.14	344.40	200.09	265.93	284.98	333.65	321.70	405.40	500.53	464.87	570.15	0.90	0.16	0.05	0.00
ILMN_2904703	Ctsl	NM_009984.2	125.76	105.99	126.38	89.67	119.66	166.52	150.75	174.23	337.03	118.76	111.43	139.84	153.68	137.20	142.35	268.48	214.52	224.58	0.81	0.16	0.10	0.00
ILMN_2545576	Rad54l	AK017045	20.00	20.00	20.00	20.00	20.00	21.20	20.00	20.00	45.87	31.67	20.00	20.00	20.08	31.70	23.86	34.18	44.65	43.83	0.37	0.37	0.81	0.03
ILMN_1260448	Plk2	NM_152804.1	823.83	816.36	533.48	810.31	855.57	547.77	1131.93	1288.38	831.85	611.47	644.60	536.08	669.22	598.44	660.74	1263.16	1123.09	1160.28	0.93	0.09	0.31	0.00
ILMN_3005071	Kcnj4	NM_008427.2	33.56	22.59	27.12	25.96	41.79	20.00	65.05	72.04	20.17	33.62	20.00	36.81	25.27	24.29	28.87	48.37	55.96	52.92	0.85	0.21	0.49	0.02
ILMN_2790735	Rbbp5	NM_172517.1	388.16	365.05	399.08	393.98	378.37	400.00	574.76	498.48	648.37	437.61	469.24	399.84	422.68	482.15	398.87	655.43	763.33	641.28	0.60	0.01	0.98	0.00
ILMN_2887131	Usp3	NM_144937.2	809.81	779.25	676.91	746.96	852.35	706.99	1120.89	1146.26	1067.99	734.29	701.48	683.12	723.39	668.54	730.70	1038.11	1157.34	1134.08	0.83	0.00	0.96	0.00
ILMN_1257117	Nol14	NM_029278.2	1940.31	1933.03	762.05	2047.84	2022.74	726.33	3053.48	3204.99	1033.41	877.67	1102.37	1294.68	1014.19	1318.69	1515.28	1860.15	2132.38	2661.47	0.93	0.33	0.37	0.01
ILMN_1247267	Smox	NM_145533.1	157.53	164.82	224.17	167.30	149.44	244.63	208.29	228.92	326.57	230.28	226.21	229.83	310.96	276.47	278.96	407.53	394.22	296.95	0.90	0.16	0.01	0.02
ILMN_2819558	Bach2	NM_007521.2	589.07	631.40	685.38	607.95	567.67	774.99	941.90	894.97	1542.73	650.84	472.38	453.62	575.55	489.64	361.34	1120.24	872.19	755.96	0.84	0.08	0.60	0.03
ILMN_2443990	Skil	NM_011386.2	804.41	826.21	323.97	834.20	799.52	338.51	849.76	893.24	450.68	304.50	344.83	430.17	365.94	361.19	482.25	550.21	471.57	645.61	0.98	0.73	0.47	0.03
ILMN_1220198	Lhfp	NM_175386.3	2478.40	2277.22	1074.76	2142.96	2443.83	1214.47	2668.04	2676.03	1149.77	857.81	1778.01	1718.32	1250.57	1560.45	1479.71	2412.96	2157.82	2659.88	0.99	0.76	0.95	0.04
ILMN_1254554	LOC100047670	XM_001476942.1	26.82	20.00	32.94	28.00	33.07	20.00	28.81	44.23	22.94	26.09	20.67	20.00	32.04	20.00	22.90	37.37	42.28	32.53	0.94	0.50	0.54	0.01
ILMN_1231910	Rnf128	NM_023270.3	29.12	20.00	37.12	42.83	26.44	20.00	25.12	56.85	67.19	35.74	31.86	33.14	28.72	31.08	44.04	92.24	78.54	91.90	0.91	0.20	0.84	0.00
ILMN_2491232	Usp36	XM_126772.6	472.48	461.43	328.03	539.79	439.66	315.65	567.43	632.68	414.48	344.75	360.00	331.12	351.57	374.86	386.07	463.75	547.89	547.95	0.90	0.21	0.12	0.00
ILMN_2783010	Snx2	NM_026386.1	4035.26	4185.59	4595.64	3995.75	3782.94	5376.27	5744.51	5322.86	8223.06	5087.24	4053.53	4182.27	4451.08	4227.56	4172.88	7025.16	6469.91	6453.86	0.84	0.08	0.66	0.00
ILMN_2869524	2010305A19Rik	NM_027250.2	133.48	119.34	101.66	141.97	122.43	97.54	180.96	186.81	149.87	103.50	109.11	109.24	119.54	109.13	121.32	179.27	155.40	184.81	0.88	0.02	0.09	0.00
ILMN_1225348	C230093N12Rik	NM_153560.4	746.16	768.50	858.76	740.43	808.46	861.03	932.48	1041.98	1158.13	836.75	772.43	741.05	926.87	807.64	757.11	1445.11	1144.28	1120.55	0.82	0.03	0.46	0.01
ILMN_1248892	Tmem34	NM_145599.3	825.75	708.03	321.26	803.60	778.94	313.99	903.19	1126.93	500.67	317.06	307.10	421.79	376.13	305.48	450.16	666.41	482.77	687.98	0.95	0.40	0.63	0.02
ILMN_1232668	Mad	NM_010751	127.10	125.91	82.36	130.88	128.05	82.29	184.37	239.49	134.49	68.02	85.80	76.79	73.36	88.30	106.88	96.95	139.76	141.90	0.93	0.09	0.31	0.03
ILMN_1231567	LOC100046254	XM_001475816.1	876.82	914.48	286.51	868.73	963.15	287.25	1629.58	1998.33	602.00	325.65	308.55	422.28	363.32	321.15	522.82	868.68	626.72	1168.33	0.96	0.20	0.52	0.03
ILMN_2705578	Snx30	NM_172468.2	358.36	386.45	396.42	372.43	332.75	463.26	452.22	531.76	541.94	429.75	370.14	343.50	394.01	368.38	337.16	656.62	547.08	556.93	0.83	0.01	0.66	0.01
ILMN_1255869	Catnb	AK020013	144.05	152.46	133.60	147.28	150.72	138.02	208.82	229.58	199.05	144.34	124.98	128.30	152.16	150.35	150.13	188.20	194.25	232.32	0.78	0.00	0.04	0.01
ILMN_1247823	Lrp8	NM_001080926.1	80.25	80.52	112.24	80.91	97.32	96.10	117.16	117.61	154.21	124.15	100.40	96.19	137.51	117.80	111.10	243.76	187.47	215.83	0.97	0.08	0.27	0.00
ILMN_2687612	4831426I19Rik	NM_001042699.1	290.32	280.32	266.23	329.88	309.56	220.70	391.97	414.85	311.23	211.25	344.00	291.28	256.47	285.94	239.79	457.71	396.77	439.17	0.83	0.04	0.63	0.02
ILMN_1254869	A130082N24Rik	AK038156	61.65	68.58	28.72	46.41	68.08	39.78	76.10	69.06	51.30	46.38	56.79	53.61	43.39	62.52	56.86	77.57	86.47	90.36	0.92	0.43	0.77	0.00
ILMN_2782634	Cobll1	NM_177025.3	428.22	434.94	489.97	443.72	465.99	456.48	616.97	643.51	741.72	485.36	487.03	500.64	584.23	531.37	527.03	839.11	801.90	785.69	0.84	0.01	0.04	0.00
ILMN_2712507	2810455F06Rik	XM_130011.5	936.51	1016.75	1108.13	1015.11	982.00	1093.71	1380.93	1387.32	1807.31	1009.13	1004.08	947.46	1112.17	1029.92	981.83	1691.30	1541.41	1472.60	0.88	0.03	0.27	0.00
ILMN_2460179	Tph2	NM_173391.1	36.54	60.16	59.86	43.04	44.60	70.72	59.84	59.87	91.63	31.88	32.18	28.36	36.66	30.83	34.68	53.45	58.74	45.90	0.96	0.24	0.20	0.01
ILMN_2740268	Otub2	NM_026580.3	130.29	131.91	124.28	123.05	134.81	132.69	213.61	168.25	186.98	133.06	139.76	119.51	156.75	132.19	145.50	248.79	197.46	186.27	0.77	0.01	0.20	0.02
ILMN_3115472	Aqp5	NM_009701.4	353.51	324.44	304.61	353.84	330.87	307.27	460.87	539.46	445.52	355.46	448.29	412.18	495.19	480.60	570.55	693.71	614.14	693.51	0.88	0.01	0.05	0.00
ILMN_2452255	Irf2bp2	XM_001002526.2	184.03	219.44	115.01	191.33	211.04	118.25	461.67	428.09	237.75	127.25	193.92	186.23	133.21	161.65	171.05	334.98	374.22	363.38	0.99	0.06	0.59	0.00
ILMN_1248771	Stam	NM_011484.2	198.86	204.39	93.20	186.50	213.73	97.57	347.39	348.26	225.69	105.05	71.82	105.30	115.02	109.72	121.42	232.48	224.24	242.77	0.99	0.06	0.14	0.00
ILMN_2704637	Mdfic	NM_175088.3	2136.14	2112.77	1056.50	2239.31	2161.36	1011.39	2976.37	2989.97	1774.25	1123.98	1060.88	1233.90	1078.75	1052.31	1276.59	1749.18	1468.88	2173.50	0.95	0.21	0.97	0.04
ILMN_2421275	Zfp75	NM_172918.3	1031.71	992.99	713.39	1082.14	942.34	735.34	1394.63	1569.16	899.10	658.69	754.01	855.48	801.63	760.23	809.53	1185.39	1109.68	1193.66	0.96	0.17	0.59	0.00
ILMN_2770438	2010305A19Rik	NM_027250	45.07	30.77	23.96	38.53	32.61	27.10	31.05	54.55	27.40	20.00	27.31	22.20	20.00	34.61	27.64	34.51	41.70	37.69	0.94	0.70	0.42	0.01
ILMN_1258515	Paip2	NM_026420.2	3930.86	4286.91	1778.44	3954.10	4690.26	1656.00	5064.47	5958.64	2377.63	1516.48	1742.53	2311.07	1956.39	2228.25	3154.81	2764.20	2462.08	3108.07	0.94	0.44	0.24	0.04
ILMN_2459155	Zfp238	NM_013915.3	748.83	759.37	477.52	748.78	733.88	506.38	1154.31	1222.55	721.01	532.74	456.39	489.94	529.15	497.21	531.22	943.79	790.46	925.98	0.99	0.11	0.35	0.00
ILMN_1216107	D130035M05Rik	AK051333	96.94	94.13	112.37	103.93	79.90	126.47	120.22	142.27	182.10	121.76	83.85	116.12	133.98	101.67	120.53	179.17	163.19	167.20	0.88	0.07	0.49	0.01
ILMN_2645719	Tmem199	NM_199199.2	2128.26	2166.32	2046.87	2215.58	2258.54	1927.68	2606.74	2594.17	2641.82	1805.44	2050.82	1933.67	2015.16	1844.11	2018.38	3100.56	3152.11	2810.20	0.86	0.00	0.76	0.00
ILMN_1212619	Mfap3l	NM_027756.3	30.01	35.15	54.22	41.28	27.08	52.26	55.82	44.92	96.38	79.71	58.08	45.07	80.15	84.61	66.13	152.03	118.44	115.45	0.97	0.21	0.24	0.01
ILMN_2664491	Snx2	NM_026386	164.03	151.43	245.38	162.29	149.82	255.39	240.10	246.26	501.39	232.19	231.63	226.16	224.73	230.16	189.30	350.56	398.40	304.78	0.96	0.19	0.30	0.01
ILMN_2572307	Ptprg	AK053271	20.00	26.07	20.00	20.67	22.64	22.69	31.54	28.74	44.61	20.00	20.00	20.00	20.41	20.00	25.73	46.48	34.41	41.35	0.99	0.07	0.33	0.00
ILMN_2815545	4632411B12Rik	NM_172652.1	874.12	871.52	1087.08	906.92	890.53	1043.61	1250.34	1106.63	1804.09	954.55	997.56	1004.58	1036.51	1018.38	949.44	1650.67	1631.95	1465.67	0.98	0.12	0.63	0.00
ILMN_1222264	Zfp26	NM_011753.2	20.00	20.00	28.07	20.00	24.86	22.98	31.68	28.21	58.10	25.98	30.40	23.83	39.86	24.51	24.90	44.66	39.73	37.02	0.98	0.17	0.61	0.01
ILMN_2934399	Wdr47	NM_181400.2	77.06	75.13	53.36	81.80	86.69	44.31	76.94	63.39	94.84	26.18	55.66	50.32	50.30	64.36	51.61	77.25	87.77	88.92	0.88	0.45	0.32	0.01
ILMN_2917223	Esd	NM_016903.2	128.71	115.51	145.38	116.04	120.85	156.65	184.07	139.51	201.63	137.64	132.35	124.30	195.87	192.02	164.76	267.46	228.77	242.69	0.94	0.09	0.01	0.00
ILMN_2761046	Slc25a33	NM_027460.2	284.71	267.44	388.85	288.75	265.00	393.11	398.08	424.93	659.79	400.38	398.50	381.25	417.30	365.07	417.75	661.59	675.03	612.15	0.97	0.12	0.74	0.00
ILMN_3023451	LOC433801	NM_001013808.1	1909.05	1925.55	912.93	1877.67	1962.21	924.18	2972.41	3619.07	1547.03	1128.57	1188.37	1249.34	1209.92	1207.85	1383.71	2106.67	1882.20	2223.37	0.99	0.18	0.31	0.00
ILMN_1221805	Dtna	NM_010087.3	128.68	150.63	128.54	160.30	149.87	105.09	182.74	191.66	158.86	109.24	125.25	135.81	174.78	194.00	155.72	277.24	237.10	309.52	0.90	0.03	0.02	0.00
ILMN_1256219	LOC100047261	XR_033381.1	3765.93	3896.76	4435.99	3760.23	4012.59	4372.08	5294.95	5725.34	5364.10	3604.26	3712.60	3824.14	4174.77	4069.34	4349.52	6462.08	7304.88	6190.20	0.96	0.00	0.01	0.00
ILMN_2551741	0610010I05Rik	AK018737	9012.48	9550.87	6432.31	9470.26	9606.94	6162.80	12501.36	15150.53	9580.51	6599.09	6874.73	6092.67	7073.13	7222.22	7649.19	12407.15	11178.61	11724.16	0.96	0.10	0.05	0.00
ILMN_3129825	Prosc	NM_001039078.2	210.78	234.61	257.18	274.57	284.64	164.17	381.97	377.98	267.93	217.65	289.09	280.76	236.23	289.30	282.62	330.90	473.36	407.20	0.87	0.05	0.82	0.04
ILMN_1254763	Kif21b	NM_001039472.1	139.68	143.88	23.16	142.78	164.12	20.00	379.88	517.48	128.59	40.22	28.20	61.19	36.53	20.33	55.73	104.26	82.75	152.77	0.92	0.12	0.71	0.04
ILMN_1241237	5830420C15Rik	AK030841	149.15	194.09	165.53	164.97	172.80	168.95	227.42	206.35	297.96	163.46	136.46	138.90	195.90	168.26	164.18	250.59	252.90	244.30	0.96	0.07	0.09	0.00
ILMN_2565096	B130008O17Rik	AK044865	137.56	152.55	171.33	148.99	120.59	201.01	203.78	211.03	269.42	185.67	143.74	169.54	174.58	152.20	158.81	277.02	255.28	242.17	0.91	0.03	0.76	0.00
ILMN_1231587	BC030867	NM_153544.3	91.10	98.98	75.52	108.42	106.55	59.17	202.67	193.92	75.89	75.22	78.01	74.93	50.46	88.95	80.85	110.88	117.43	134.15	0.88	0.17	0.83	0.00
ILMN_1239583	Wins2	NM_152815	186.96	176.75	138.66	231.32	172.47	115.27	267.35	316.22	160.43	114.35	160.47	154.47	103.29	181.78	171.53	246.09	227.92	248.25	0.89	0.17	0.77	0.00
ILMN_2814005	Nid1	NM_010917.1	546.35	535.46	463.31	514.97	554.15	476.10	623.29	708.12	605.83	513.71	504.56	470.08	694.38	628.22	611.97	852.18	820.97	847.67	1.00	0.03	0.01	0.00
ILMN_1222715	LOC385855	XM_358974.1	776.92	818.18	531.48	759.98	857.27	519.59	1026.12	1261.85	719.33	472.49	416.50	568.26	589.62	451.14	572.33	715.41	638.32	893.76	0.98	0.18	0.45	0.04
ILMN_1243663	6030408C04Rik	NM_001015099.1	177.08	181.03	197.09	176.92	190.08	188.21	262.07	297.76	242.84	222.61	210.50	190.95	206.53	209.30	212.62	370.25	303.46	313.46	1.00	0.01	0.88	0.01
ILMN_1241437	Gsta3	NM_010356.3	738.25	786.84	581.30	713.81	702.21	673.77	886.70	943.87	798.68	517.39	582.76	621.84	623.46	754.36	786.95	835.19	909.07	918.80	0.93	0.08	0.07	0.00
ILMN_2749052	Ramp3	NM_019511.3	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.02	20.00	20.00	26.51	40.70	28.49	113.37	78.00	103.02	1.00	1.00	0.06	0.00
ILMN_1222650	9530007E02Rik	AK035265	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	22.51	23.39	26.06	21.71	47.60	44.19	44.72	44.89	34.40	1.00	1.00	0.17	0.01
ILMN_1246299	Zscan22	NM_001001447.2	20.00	20.00	20.00	20.00	20.00	20.00	20.00	21.47	20.00	20.00	20.41	20.00	32.17	26.71	24.11	27.54	33.82	35.33	1.00	0.37	0.03	0.01
ILMN_1226430	D030030I23Rik	AK050889	20.00	20.00	20.00	20.00	20.00	20.00	34.67	31.38	20.53	20.00	20.00	20.75	20.85	34.85	27.63	39.09	34.06	36.93	1.00	0.11	0.14	0.00
ILMN_1252475	Gm969	XM_355166.3	20.00	20.00	20.00	20.00	20.00	20.00	42.18	58.00	20.00	20.00	22.12	20.00	29.42	23.34	20.00	79.76	78.11	78.07	1.00	0.14	0.28	0.00
ILMN_1252997	Ccdc131	NM_001033261.2	20.00	20.00	20.00	20.00	20.00	20.00	27.33	27.03	20.00	20.00	20.00	20.00	20.00	24.08	21.79	37.13	27.07	32.60	1.00	0.12	0.17	0.01
ILMN_2686611	Acsbg1	NM_053178.2	20.00	20.00	20.00	20.00	20.00	20.00	20.00	22.44	36.55	28.82	24.95	22.86	27.40	20.00	32.66	36.81	46.98	51.95	1.00	0.29	0.79	0.01
ILMN_1229073	C230040D10Rik	XM_976346.1	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	26.24	20.00	20.00	20.00	20.00	21.37	20.00	32.13	40.78	37.26	1.00	0.37	0.37	0.00
ILMN_2765032	Kcnn4	NM_008433.3	20.00	20.00	20.00	20.00	20.00	20.00	27.34	29.25	20.00	20.00	20.00	20.00	20.00	20.55	20.00	44.60	42.22	42.67	1.00	0.12	0.37	0.00
ILMN_1214848	Mboat2	NM_001083341.1	20.00	20.00	20.00	20.00	20.00	20.00	22.04	38.35	32.99	20.00	20.00	20.00	20.00	20.05	20.00	42.16	32.42	35.50	1.00	0.08	0.37	0.00
ILMN_2657207	Hey2	NM_013904.1	20.00	20.00	20.00	20.00	20.00	20.00	76.48	85.96	193.86	20.00	20.00	20.00	20.00	20.00	20.00	101.32	112.30	78.96	1.00	0.06	1.00	0.00
ILMN_2746783	Fa2h	NM_178086.2	20.00	20.00	20.00	20.00	20.00	20.00	40.38	30.70	92.22	20.00	20.00	20.00	20.00	20.00	20.00	30.47	26.30	41.15	1.00	0.15	1.00	0.05
ILMN_1258248	C230078J11Rik	AK048878	20.00	20.00	20.00	20.00	20.00	20.00	39.71	81.54	34.89	20.00	20.00	20.00	20.00	20.00	20.00	32.29	39.55	36.69	1.00	0.10	1.00	0.00
ILMN_2675581	Fgfr1	NM_010206.2	20.00	20.00	20.00	20.00	20.00	20.00	44.66	33.56	73.99	20.00	20.00	20.00	20.00	20.00	20.00	54.05	54.80	55.87	1.00	0.06	1.00	0.00
ILMN_1212812	Pla2g2e	NM_012044.2	20.00	20.00	20.00	20.00	20.00	20.00	23.33	37.15	81.74	20.00	20.00	20.00	20.00	20.00	20.00	55.63	55.13	35.85	1.00	0.19	1.00	0.01
ILMN_1245037	Ngef	NM_019867	20.00	20.00	20.00	20.00	20.00	20.00	61.04	42.37	23.22	20.00	20.00	20.00	20.00	20.00	20.00	102.28	87.39	81.49	1.00	0.11	1.00	0.00
ILMN_2438221	Nphp3	NM_028721	20.00	20.00	20.00	20.00	20.00	20.00	20.00	35.54	76.19	20.00	20.00	20.00	20.00	20.00	20.00	41.45	34.42	27.07	1.00	0.23	1.00	0.03
ILMN_2605201	Klhl30	NM_027551.2	20.00	20.00	20.00	20.00	20.00	20.00	25.63	23.11	72.27	20.00	20.00	20.00	20.00	20.00	20.00	62.45	53.51	48.80	1.00	0.27	1.00	0.00
ILMN_2737256	Mxi1	XM_357080.1	20.00	20.00	20.00	20.00	20.00	20.00	38.88	38.44	20.00	20.00	20.00	20.00	20.00	20.00	20.00	44.67	55.82	34.65	1.00	0.12	1.00	0.01
ILMN_2900484	Trim72	NM_001079932.1	20.00	20.00	20.00	20.00	20.00	20.00	22.48	29.58	36.69	20.00	20.00	20.00	20.00	20.00	20.00	42.85	35.68	29.68	1.00	0.08	1.00	0.01
ILMN_1248005	Aloxe3	NM_011786.1	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	58.56	20.00	20.00	20.00	20.00	20.00	20.00	39.18	27.28	42.64	1.00	0.37	1.00	0.02
ILMN_1222816	Nagk	AK051368	20.00	20.00	20.00	20.00	20.00	20.00	20.73	25.08	42.80	20.00	20.00	20.00	20.00	20.00	20.00	23.88	36.26	33.40	1.00	0.23	1.00	0.04
ILMN_1256229	B130044D17Rik	AK045185	20.00	20.00	20.00	20.00	20.00	20.00	20.00	29.99	36.67	20.00	20.00	20.00	20.00	20.00	20.00	29.32	29.48	35.46	1.00	0.14	1.00	0.00
ILMN_2542331	LOC385187	XM_358107.1	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	43.46	20.00	20.00	20.00	20.00	20.00	20.00	35.53	38.36	51.04	1.00	0.37	1.00	0.01
ILMN_2658130	Hkdc1	NM_145419.1	20.00	20.00	20.00	20.00	20.00	20.00	25.74	28.74	20.00	20.00	20.00	20.00	20.00	20.00	20.00	28.80	34.25	47.08	1.00	0.13	1.00	0.04
ILMN_1231375	A530093H06Rik	AK041234	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	34.74	20.00	20.00	20.00	20.00	20.00	20.00	30.74	42.08	44.36	1.00	0.37	1.00	0.01
ILMN_2593523	Lce1f	NM_026394.2	20.00	20.00	20.00	20.00	20.00	20.00	20.00	24.10	26.66	20.00	20.00	20.00	20.00	20.00	20.00	61.40	53.79	46.16	1.00	0.14	1.00	0.00
ILMN_2757634	9030611O19Rik	NM_027828.2	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	28.98	20.00	20.00	20.00	20.00	20.00	20.00	62.51	53.84	38.16	1.00	0.37	1.00	0.01
ILMN_1231797	Nov	AK081944	20.00	20.00	20.00	20.00	20.00	20.00	24.20	22.33	20.00	20.00	20.00	20.00	20.00	20.00	20.00	30.23	44.64	32.51	1.00	0.15	1.00	0.02
ILMN_3018711	Dppa5	NM_025274.1	20.00	20.00	20.00	20.00	20.00	20.00	20.96	20.32	20.00	20.00	20.00	20.00	20.00	20.00	20.00	40.23	34.66	36.49	1.00	0.20	1.00	0.00
ILMN_2799648	Srgap3	NM_080448.3	20.00	20.00	20.00	20.00	20.00	20.00	20.74	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	37.54	34.29	25.66	1.00	0.37	1.00	0.02
ILMN_1239602	LOC233466	XM_145917.3	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	75.53	53.71	55.43	1.00	1.00	1.00	0.00
ILMN_3152486	Ramp3	NM_019511.1	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	40.60	59.00	41.39	1.00	1.00	1.00	0.01
ILMN_2589768	Htr2b	NM_008311.2	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	37.64	33.94	36.66	1.00	1.00	1.00	0.00

ILMN_1259927	E230011J22Rik	AK054000	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	24.73	36.56	31.17	1.00	1.00	1.00	0.03
ILMN_1236972	LOC672705	XR_003956.1	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.25	20.00	20.00	20.00	20.00	39.14	45.53	27.59	1.00	1.00	0.37	0.03
ILMN_2959293	Upp1	NM_009477.1	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	22.97	20.00	20.00	20.00	33.78	33.64	34.66	1.00	1.00	0.37	0.00
ILMN_2681913	Crct1	NM_028798.2	20.00	20.00	20.00	20.00	20.00	20.00	20.00	34.80	31.46	22.99	22.57	20.00	20.00	20.00	20.00	39.97	33.99	33.13	1.00	0.12	0.12	0.00
ILMN_3157399	Tead4	NM_001080979.1	20.00	20.00	20.00	20.00	20.00	20.00	23.43	44.72	52.22	33.04	20.00	20.00	20.62	20.00	20.00	80.16	69.28	66.98	1.00	0.08	0.40	0.00
ILMN_1256486	Trim69	NM_080510.1	20.00	20.00	20.00	20.00	20.00	20.00	41.01	26.43	55.07	31.32	22.68	20.00	20.00	20.00	20.00	48.32	42.11	41.42	1.00	0.07	0.24	0.01
ILMN_1237871	Ampd1	NM_001033303.2	20.00	20.00	20.00	20.00	20.00	20.00	30.11	41.30	66.76	43.68	20.42	21.25	20.00	20.86	20.00	86.28	59.47	56.56	1.00	0.07	0.34	0.03
ILMN_1257178	Zfp367	NM_175494.4	370.30	393.68	167.10	398.85	426.49	143.18	459.11	604.27	242.86	147.49	231.67	244.83	178.90	252.36	250.42	430.51	363.29	483.88	0.92	0.38	0.65	0.01
ILMN_1218324	EG382161	XM_001477831.1	1671.09	1625.54	567.83	1453.85	1682.69	629.28	2223.39	2447.80	864.20	566.45	877.03	894.82	766.14	800.91	1054.22	1086.99	1252.51	1364.38	0.95	0.41	0.54	0.03
ILMN_2939424	Atp6ap2	NM_027439.2	7322.17	7250.60	8998.51	7368.43	6946.72	9311.77	11399.11	10831.72	17351.60	9477.18	7486.68	8311.26	8811.78	7804.89	7754.85	16342.89	12832.74	12294.25	0.98	0.07	0.68	0.02
ILMN_2757008	Aldh1l2	NM_153543.1	290.80	282.81	413.02	308.85	289.16	379.04	594.54	611.51	1075.49	500.54	299.24	352.10	378.95	290.30	328.11	916.13	657.22	669.93	0.95	0.06	0.48	0.02
ILMN_2688740	Foxj3	NM_172699.2	42.37	50.97	69.94	54.82	65.15	42.07	94.79	65.82	87.74	43.75	41.15	35.74	46.90	56.47	38.12	73.52	68.53	77.02	0.97	0.08	0.30	0.00
ILMN_2610810	Asph	NM_023066.2	41.18	54.92	66.91	46.33	57.62	56.29	75.97	72.38	70.27	57.04	48.47	53.63	73.66	58.79	54.84	100.85	92.71	102.23	0.92	0.07	0.21	0.00
ILMN_1255561	Hspa5	NM_022310.2	2021.09	2096.26	341.66	1795.51	2529.42	316.48	4532.47	7274.44	1540.74	371.08	458.44	680.93	564.18	543.43	889.88	2134.03	2280.72	3832.58	0.95	0.17	0.33	0.02
ILMN_1377923	Actb	NM_007393.3	12466.89	12092.43	8957.90	11546.57	10705.26	10837.27	16090.57	14024.96	11437.05	11263.46	8510.68	9040.08	11287.21	9371.27	8923.23	16940.53	16848.22	14508.52	0.91	0.20	0.83	0.00
ILMN_2703433	Foxc2	NM_013519.1	895.04	843.08	340.00	900.32	844.16	334.83	1102.71	1411.49	730.77	405.57	320.86	420.29	418.36	291.35	438.71	805.19	622.02	949.32	1.00	0.22	0.99	0.01
ILMN_2845917	Arl8b	NM_026011.3	1085.87	1021.25	1026.61	1069.49	1030.33	1024.46	1509.21	1570.02	1607.14	1127.11	1145.21	1062.44	981.54	1088.45	1064.54	1767.31	1730.35	1694.32	0.91	0.00	0.18	0.00
ILMN_1228383	3230401M21Rik	AK036541	28.13	37.46	42.92	36.11	28.52	43.51	58.37	60.54	107.62	38.51	38.54	26.60	26.22	40.35	38.97	58.02	73.87	54.56	0.99	0.08	0.92	0.02
ILMN_2769893	2210013K02Rik	NM_023712	131.60	120.60	104.44	130.94	133.43	93.86	226.97	225.40	142.78	93.34	136.18	117.88	98.02	132.29	137.93	172.73	205.26	230.52	0.97	0.05	0.71	0.01
ILMN_2453086	Txnrd3	NM_153162.3	173.73	192.95	249.53	202.18	182.91	223.56	303.13	302.26	483.62	228.19	161.46	196.74	237.42	200.03	202.94	398.20	329.46	307.90	0.93	0.07	0.47	0.01
ILMN_1214902	EG666756	XR_033930.1	8401.52	7746.50	4897.04	8210.70	8367.50	4577.41	10234.51	10828.62	5186.87	4352.72	4778.45	5298.00	5027.78	4683.55	5505.49	7596.24	6095.69	8882.55	0.98	0.45	0.51	0.03
ILMN_2976120	2400003C14Rik	NM_028018.1	4875.72	5180.60	4881.90	5048.03	5205.65	4627.70	7387.13	6518.39	6156.04	4682.08	4067.41	4426.21	4931.90	4767.25	4600.83	7274.67	5995.20	6954.99	0.93	0.01	0.14	0.01
ILMN_2628567	Phlda3	NM_013750.1	1206.06	1337.72	803.67	1391.34	1296.98	707.45	1705.79	1918.81	1136.34	692.32	990.73	1020.72	937.75	940.36	1135.98	1347.60	1338.24	1714.70	0.95	0.17	0.45	0.03
ILMN_1224898	Glrp1	NM_008132.2	20.00	20.31	20.00	20.00	20.00	20.00	20.73	21.47	20.00	20.00	20.00	20.00	20.00	20.00	20.00	32.78	35.86	25.58	0.37	0.22	1.00	0.02
ILMN_1240779	Osp94	AK032066	20.00	20.00	20.33	20.00	20.00	20.00	20.00	24.20	51.86	20.00	20.00	22.53	22.83	20.00	21.40	44.64	39.57	52.05	0.37	0.30	0.65	0.00
ILMN_2460062	Arl6ip2	NM_019717.2	354.42	336.77	402.12	358.30	347.02	379.53	405.77	426.06	524.47	417.28	393.62	405.31	636.42	617.63	541.57	797.77	644.47	614.92	0.90	0.10	0.00	0.01
ILMN_2683316	Ctsb	NM_007798.2	17826.46	18648.22	13110.94	18845.96	19983.14	11370.87	22380.51	23655.59	16169.98	11854.91	13187.97	13945.05	12955.00	14317.89	17148.09	18819.31	19197.58	21307.68	0.95	0.22	0.26	0.00
ILMN_1217129	Ldlrad3	NM_178886.2	158.07	139.60	22.36	138.99	166.96	20.87	257.35	308.65	70.88	46.55	29.63	44.05	37.89	20.00	60.05	102.03	79.41	165.52	0.97	0.28	0.96	0.05
ILMN_1241754	Wdr62	XM_891376.2	26.32	34.34	48.46	33.22	26.84	48.17	56.30	60.60	94.79	22.84	41.18	40.15	32.14	30.73	28.36	62.47	66.87	58.69	0.98	0.07	0.52	0.01
ILMN_1228330	Plcl2	NM_013880.2	29.83	25.57	20.00	31.40	23.59	20.18	33.77	42.85	72.90	22.00	20.00	22.08	20.00	20.00	20.00	41.82	57.87	47.24	0.99	0.11	0.12	0.00
ILMN_2427560	Traf6	NM_009424.2	271.20	239.25	200.26	221.53	266.12	215.95	331.88	433.91	290.73	179.62	176.02	187.84	216.67	190.43	225.07	355.49	309.04	331.14	0.93	0.07	0.05	0.00
ILMN_2497190	Bmf	NM_138313	48.92	20.00	33.68	29.27	55.10	20.00	30.53	20.00	25.44	20.00	36.61	34.35	36.42	52.84	64.65	51.75	43.95	47.04	0.97	0.37	0.10	0.04
ILMN_1233531	2610528E23Rik	NM_025599.2	230.02	204.64	77.99	195.82	231.21	79.26	273.77	331.51	100.72	35.67	77.46	107.30	66.12	86.97	113.59	142.91	125.28	179.55	0.98	0.48	0.57	0.04
ILMN_2608229	Nol1	NM_138747.1	231.63	270.33	163.46	255.19	293.45	133.58	292.57	308.56	186.78	153.12	187.69	204.89	138.38	180.41	203.49	265.28	279.50	325.32	0.93	0.45	0.76	0.01
ILMN_1246446	Lrrc59	NM_133807.1	461.58	474.73	357.54	445.63	435.72	394.24	644.36	589.84	610.50	423.34	456.75	321.48	434.75	385.95	388.98	642.14	647.86	546.13	0.89	0.01	0.95	0.02
ILMN_2513570	AW123240		1512.07	1588.84	767.69	1553.21	1673.86	693.01	1815.76	1844.37	840.55	779.71	894.58	913.15	936.42	964.43	1157.95	1228.30	1186.80	1532.43	0.97	0.64	0.13	0.02
ILMN_2865239	Mrps18b	NM_025878.1	2061.61	2318.99	2229.90	2221.33	2118.24	2211.93	2809.04	3111.16	2828.85	2154.22	2344.24	2287.94	1993.40	2202.69	2372.54	3323.16	3654.26	3390.17	0.82	0.00	0.59	0.00
ILMN_2615672	Prelid2	NM_029942.1	55.60	58.56	20.00	54.39	58.42	20.00	190.82	238.98	73.47	20.00	20.00	24.83	20.00	20.00	20.00	94.86	44.77	94.95	0.98	0.07	0.37	0.03
ILMN_3111334	Rsrc2	NM_001005525.1	1109.32	1118.47	1181.17	1081.08	1117.07	1184.23	1546.31	1457.68	2003.41	1233.81	1118.51	1110.66	1249.73	1169.11	1140.22	1666.84	1900.46	1675.46	0.83	0.04	0.57	0.00
ILMN_1239801	Irf2bp2	XM_001002526.2	1313.83	1301.67	677.73	1289.40	1346.47	650.85	2199.82	3167.81	1409.57	527.53	967.28	1052.80	620.63	884.71	1007.47	1676.23	2006.59	2333.42	0.99	0.10	0.96	0.01
ILMN_2665681	Cry2	NM_009963.3	84.54	91.78	70.68	98.96	83.69	64.54	135.42	166.95	59.38	50.16	86.01	83.19	58.12	71.61	72.83	96.31	132.00	129.73	1.00	0.30	0.68	0.05
ILMN_2879506	2310037I24Rik	NM_133714.2	4991.06	5142.15	4329.98	5223.76	5164.95	4013.86	6727.53	6962.54	5986.35	4500.71	5943.13	5266.23	5583.06	6669.89	6931.14	7281.13	8655.81	7884.09	0.97	0.01	0.12	0.01
ILMN_2994460	Ctnnb1	NM_007614.2	10628.10	10497.78	7387.84	10930.13	11302.88	6500.06	15085.08	16559.51	11424.43	6200.44	7862.71	8165.57	7059.56	8453.25	9485.74	12186.43	12682.99	14462.07	0.97	0.06	0.38	0.00
ILMN_2419998	Soat1	NM_009230.3	1858.29	1864.85	1643.16	1852.06	1946.13	1538.95	2570.71	2565.50	2364.05	1664.86	1741.03	1572.98	1611.84	1407.48	1545.73	2524.18	2687.91	2439.27	0.95	0.00	0.15	0.00
ILMN_2594433	Taf6l	NM_146092.1	39.98	36.15	57.83	28.42	50.14	56.99	63.12	64.16	88.71	58.62	36.43	42.33	30.59	49.84	44.64	116.72	76.92	80.45	0.96	0.06	0.66	0.03
ILMN_2692762	Ap4m1	NM_021392.3	182.28	167.98	228.34	182.10	167.64	222.39	293.83	292.71	481.28	267.97	202.00	189.34	271.65	224.53	224.61	459.87	426.46	325.26	0.93	0.07	0.52	0.02
ILMN_1246148	Dgkd		1780.90	1789.56	1145.66	1715.42	1885.67	1095.65	2517.98	2953.27	1915.57	1308.67	1368.93	1540.56	1373.77	1545.96	1553.60	2085.12	2036.65	2478.19	0.98	0.07	0.40	0.01
ILMN_1222286	LOC666652	XR_034422.1	230.14	234.09	127.83	236.62	252.01	112.01	308.94	318.43	157.86	145.31	199.08	164.19	108.56	176.53	164.99	237.74	287.36	290.81	0.96	0.36	0.50	0.01
ILMN_1255901	9830002L24Rik	AK036384	113.02	124.31	217.40	105.72	132.64	211.24	203.63	173.34	261.76	190.50	179.98	170.47	176.28	168.07	177.33	265.49	297.63	254.48	0.97	0.22	0.38	0.00
ILMN_2591800	Comtd1	NM_026965.2	45.42	41.83	36.02	42.02	31.65	49.85	31.44	35.63	84.52	45.87	34.54	29.78	50.31	29.24	30.50	88.25	65.34	70.49	0.99	0.61	1.00	0.01
ILMN_1251126	Foxp3	NM_054039.1	1076.47	1055.43	935.95	1026.61	1142.57	878.32	1576.17	1542.74	1219.98	932.37	1062.26	1042.07	826.90	1027.31	912.56	1456.96	1655.32	1644.13	0.94	0.03	0.27	0.00
ILMN_1257552	Tars	NM_033074.3	1422.66	1416.89	449.17	1235.98	1563.91	453.82	1755.93	2358.80	694.93	562.28	756.33	845.89	584.37	627.81	936.88	1093.53	1074.50	1510.14	0.98	0.43	0.97	0.04
ILMN_2625099	Sipa1l3	NM_001081028.1	457.84	439.31	231.52	473.70	509.04	187.05	658.65	769.15	370.71	271.24	254.77	303.60	235.65	238.63	283.95	422.88	416.82	445.51	0.92	0.18	0.32	0.00
ILMN_1214412	Antxr2	NM_133738.1	305.20	287.64	289.26	309.44	285.48	278.26	365.46	438.89	475.06	338.35	317.99	322.36	447.13	503.04	461.80	627.15	637.97	629.11	0.80	0.02	0.00	0.00
ILMN_2474858	Tnfaip2	NM_009396.1	464.95	502.41	503.52	474.02	472.36	508.35	590.78	747.29	783.93	596.77	570.86	529.12	604.16	614.65	679.16	967.78	958.02	952.86	0.77	0.02	0.09	0.00
ILMN_2850391	Meis2	NM_010825.2	912.35	954.77	781.46	860.66	918.10	833.64	1360.57	1360.18	1237.64	796.21	839.59	849.64	832.59	880.33	866.90	1352.50	1265.75	1246.48	0.84	0.00	0.22	0.00
ILMN_1247585	4921528G01Rik	NM_023884	306.83	321.98	271.96	350.78	334.27	221.71	664.17	629.33	297.72	267.77	352.65	313.02	302.78	343.13	386.32	671.51	750.57	577.55	0.97	0.12	0.39	0.00
ILMN_2520096	Zfp62	NM_009562.2	46.98	79.25	41.36	77.16	81.13	23.80	88.91	125.81	48.76	37.00	56.32	61.83	34.43	67.32	52.11	84.98	83.75	87.57	0.84	0.27	0.97	0.01
ILMN_2567349	B930045J24Rik	AK047284	27.17	20.24	20.00	25.06	20.00	21.22	26.79	30.96	30.13	25.49	26.23	23.79	38.21	26.57	31.09	39.46	43.37	41.44	0.90	0.06	0.12	0.00
ILMN_1224252	9030624G23Rik	XM_001003228.1	96.87	94.21	54.76	103.07	95.58	48.94	123.88	116.58	59.52	78.61	72.82	81.37	94.11	74.70	66.75	116.16	125.15	114.25	0.98	0.50	0.92	0.00
ILMN_2745841	Bxdc5	NM_027371.2	521.36	550.15	396.91	548.27	582.76	343.67	749.92	749.02	457.07	267.43	520.91	463.21	408.03	511.10	518.71	735.43	725.78	736.22	0.98	0.21	0.50	0.01
ILMN_1221035	9630044E13Rik	AK036177	137.35	144.12	132.53	163.26	126.43	122.32	195.12	189.18	237.78	121.67	110.16	130.38	128.42	105.74	126.89	192.96	175.73	178.32	0.96	0.01	0.97	0.00
ILMN_2495644	Vps29	NM_019780.1	3616.54	3204.91	1742.62	3355.05	3552.31	1629.64	4409.67	4985.12	2552.33	1692.83	1796.72	2203.56	1825.85	1986.53	2377.56	2665.96	2668.48	3676.13	0.99	0.29	0.50	0.04
ILMN_1220819	Rragb	NM_001004154.1	20.84	20.00	20.00	20.00	20.00	20.00	26.21	33.51	30.55	20.00	26.80	22.50	20.00	22.56	20.00	30.57	33.21	42.69	0.37	0.01	0.36	0.04
ILMN_2469383	Bloc1s3	NM_177692.3	27.28	41.59	24.05	26.93	37.99	25.58	44.63	67.77	41.19	20.00	20.00	28.28	20.00	27.76	28.09	49.49	41.00	36.77	0.91	0.11	0.55	0.01
ILMN_2923960	Cdkn1b	NM_009875.2	30.45	22.21	41.33	20.00	27.61	48.54	51.69	30.08	39.70	25.67	28.13	28.48	54.31	26.07	45.77	39.00	45.84	41.67	0.95	0.33	0.16	0.00
ILMN_2602257	Tmem68	NM_028097.3	1141.72	1108.93	815.65	1106.18	1135.81	788.41	1509.49	1600.98	1214.28	723.68	779.77	769.16	860.84	730.00	802.11	1322.77	1100.06	1164.37	0.94	0.05	0.39	0.00
ILMN_1259712	Zfp236	XM_484752.5	393.70	391.15	240.19	394.31	380.21	236.29	570.39	454.83	332.63	232.05	234.11	286.64	263.55	246.20	260.29	429.22	425.45	446.13	0.95	0.26	0.77	0.00
ILMN_1214396	LOC630729	XM_904332.3	1837.26	1586.69	713.64	1715.91	1836.07	632.04	1642.96	1922.97	787.74	781.68	994.68	1257.05	1119.67	1223.40	1503.06	1336.57	1606.13	1896.21	0.98	0.89	0.20	0.05
ILMN_1243184	Nol8	NM_001081350.1	313.65	270.95	300.43	293.04	275.33	302.64	324.39	342.93	360.40	280.90	260.09	247.93	275.94	259.03	259.09	455.85	420.95	410.95	0.77	0.04	0.89	0.00
ILMN_2909597	Havcr2	NM_134250.1	20.00	20.00	20.95	20.00	20.00	20.00	20.00	20.00	44.92	20.00	20.00	20.00	20.00	20.00	20.00	25.90	45.47	37.62	0.37	0.39	1.00	0.05
ILMN_1227690	BC027231	NM_145972.3	31.78	32.43	57.16	32.59	33.75	51.06	56.89	66.72	107.06	43.25	40.77	49.66	42.57	34.90	27.73	112.23	106.60	76.00	0.90	0.11	0.13	0.01
ILMN_3140913	Tbc1d2	NM_198664.3	149.29	171.45	186.34	137.43	152.95	216.28	262.99	240.55	395.91	246.59	197.41	182.56	268.30	232.92	204.83	418.33	418.39	415.31	1.00	0.06	0.38	0.00
ILMN_2683802	Nudt9	NM_028794.3	900.26	960.04	855.82	917.18	923.32	831.86	1168.09	1138.66	1212.70	708.36	956.62	1102.35	984.05	1023.78	1116.93	1376.60	1631.92	1608.12	0.75	0.00	0.38	0.01
ILMN_2836173	Arv1	NM_026855.1	230.22	267.18	264.35	259.23	266.52	224.09	330.30	327.79	288.90	212.56	266.42	231.17	230.04	227.22	211.17	399.92	381.65	375.87	0.83	0.03	0.46	0.00
ILMN_2750850	Spag9	NM_001025429.1	393.36	414.82	210.31	411.12	387.20	204.68	601.61	693.74	405.37	296.24	276.44	276.51	241.93	232.57	271.12	473.52	395.76	512.70	0.96	0.10	0.06	0.01
ILMN_2689998	Fjx1	NM_010218.2	170.20	165.05	194.37	175.09	167.72	176.46	218.17	277.63	302.42	184.45	185.96	175.17	209.41	176.57	167.53	266.70	288.01	299.70	0.73	0.03	0.85	0.00
ILMN_2810045	Iars	NM_172015.1	2789.55	2676.45	1998.09	2652.79	2624.67	2030.76	3625.54	4315.47	2678.49	2510.93	2412.64	2206.43	2351.90	2456.01	2155.73	3501.39	3374.79	3923.25	0.88	0.12	0.68	0.00
ILMN_1248510	Soat1	NM_009230.3	1222.80	1169.20	710.29	1092.90	1393.55	631.76	2777.90	2938.89	1460.63	699.35	752.54	908.65	766.99	700.07	907.14	1631.07	1687.33	2422.43	0.99	0.05	0.96	0.01
ILMN_2770739	Ets1	NM_001038642.1	56.28	46.37	44.75	68.81	70.45	22.81	99.81	60.02	53.15	57.27	45.24	62.55	62.04	61.00	52.67	110.13	99.07	95.84	0.78	0.22	0.58	0.00
ILMN_2582171	A630098G22Rik	AK080403	386.44	342.85	250.00	358.41	387.68	225.43	742.00	697.00	410.15	269.35	277.61	309.77	318.12	304.73	296.67	557.02	594.95	664.95	0.97	0.06	0.20	0.00
ILMN_2829171	Hnrpf	NM_133834.1	663.13	561.07	606.42	681.66	697.34	447.10	887.96	890.30	777.63	535.32	879.40	696.73	696.46	717.03	735.24	946.23	1167.70	1105.16	0.99	0.01	0.91	0.04
ILMN_2922334	Dtx4	NM_172442.2	133.62	143.76	146.19	163.79	143.91	112.22	173.05	175.88	186.93	89.61	104.82	109.35	136.07	138.69	144.68	165.15	161.49	200.10	0.94	0.00	0.00	0.01
ILMN_2715558	Arhgap17	NM_144529.1	1007.00	1048.15	1050.37	1115.83	1050.14	890.81	1658.69	1530.97	1289.97	1030.08	1132.69	1108.64	953.08	1019.25	1047.08	1850.48	1619.19	1721.67	0.82	0.01	0.11	0.00
ILMN_1247017	Tnrc15	NM_146112.3	109.69	147.77	154.70	147.39	123.18	129.99	198.17	208.64	198.03	143.81	124.79	133.26	144.39	132.08	151.61	197.85	206.86	208.61	0.82	0.01	0.33	0.00
ILMN_2653402	Vps13b	XM_981774.2	29.13	20.00	20.00	22.97	22.75	20.96	43.91	38.28	27.47	20.00	20.00	20.76	20.00	36.21	42.38	41.01	33.04	34.18	0.81	0.08	0.13	0.00
ILMN_2705673	Spg21	NM_138584.2	1494.04	1502.03	1846.05	1510.82	1471.46	1751.31	2645.97	2464.65	4074.92	1812.08	1926.26	1968.16	1836.14	1885.07	1796.76	3185.30	4225.27	3604.79	0.82	0.05	0.30	0.00
ILMN_1227540	Phf10	NM_024250.3	5474.80	5196.96	3453.11	5480.53	5509.61	3056.40	7387.43	6394.79	4394.10	3580.80	4067.63	4667.34	4008.11	4692.20	4364.57	5906.81	6665.63	6539.55	0.98	0.28	0.54	0.00
ILMN_1213456	Dhrs7	NM_025522.3	1657.05	1522.38	1121.90	1548.38	1569.17	1093.86	2442.12	2487.33	1389.45	1031.07	1421.87	1414.78	1331.79	1950.26	1605.01	1791.96	2393.80	2340.62	0.90	0.16	0.20	0.02
ILMN_2711163	Ctsk	NM_007802.3	34.48	23.81	20.00	20.00	38.51	20.00	43.51	36.72	37.68	21.23	23.39	28.55	27.90	22.95	20.00	33.77	50.14	42.84	0.99	0.05	0.82	0.03
ILMN_2798993	Nr1d2	NM_011584.2	491.30	493.21	140.73	521.44	477.33	128.45	1324.13	1407.72	315.02	176.62	248.52	256.13	196.87	237.57	228.80	513.84	571.75	754.63	1.00	0.16	0.84	0.01
ILMN_2481643	B230216G23Rik		44.77	33.89	20.00	34.65	41.00	20.00	60.20	72.93	20.00	20.00	20.00	20.00	28.52	20.00	20.00	43.88	31.18	33.13	0.92	0.36	0.37	0.02
ILMN_2913845	Peo1	NM_153796.3	257.70	242.31	309.58	235.47	239.02	321.17	382.19	363.40	469.75	247.64	242.27	285.87	364.32	293.93	308.33	480.04	420.92	426.03	0.90	0.02	0.07	0.00
ILMN_2998658	Erdr1	NM_133362.1	1189.56	1187.26	780.86	1296.55	1213.99	655.09	1675.09	1889.30	1027.62	821.72	1230.67	1147.92	880.78	1189.61	1351.34	1523.89	1770.13	2181.95	0.99	0.18	0.71	0.03
ILMN_2803878	1110008J03Rik	NM_029096.1	27.30	23.11	31.20	20.00	20.00	45.96	22.92	21.34	51.17	20.74	26.28	37.65	38.25	28.83	30.61	51.81	49.04	38.97	0.88	0.67	0.49	0.04
ILMN_2524723	2810470D21Rik	XM_125812.4	161.79	140.16	121.70	119.83	148.81	144.30	208.83	234.28	158.63	145.93	128.93	134.98	124.15	122.74	133.24	261.97	213.64	268.44	0.82	0.08	0.17	0.00
ILMN_2518483	Pla2g12a	NM_023196	169.39	122.02	63.73	145.87	150.22	55.92	164.49	173.46	52.94	68.43	83.63	97.69	71.48	97.76	107.56	118.96	113.85	144.43	0.98	0.82	0.55	0.03
ILMN_3024592	Zfx	NM_001044386.1	91.87	97.48	80.54	78.13	104.00	82.48	110.47	134.84	88.14	87.79	66.79	87.21	90.48	80.82	90.01	121.89	125.27	122.93	0.86	0.21	0.44	0.00
ILMN_1227384	Ccnl	AK051380	388.16	371.77	274.56	402.84	395.72	230.74	442.58	518.59	363.93	210.84	262.22	261.17	264.79	318.17	329.39	336.87	412.44	434.83	0.98	0.16	0.09	0.01
ILMN_2755621	Zfp653	NM_177318.2	135.20	99.66	126.40	102.04	93.64	165.46	189.98	178.09	329.17	154.64	132.53	140.70	130.27	130.49	118.44	255.11	250.31	244.54	1.00	0.09	0.10	0.00
ILMN_1246390	LOC100045882	XM_001475083.1	2027.40	1884.18	1557.28	2067.27	2043.77	1306.08	2052.44	2320.48	1536.02	1117.07	1725.88	1995.88	1648.52	1975.15	2017.41	2235.53	2457.27	2657.79	0.95	0.61	0.40	0.04
ILMN_2720763	BC025546	NM_146215.2	722.85	736.70	617.78	664.93	706.73	649.19	916.13	1038.21	1160.65	706.48	639.37	633.47	763.55	629.96	612.18	1096.66	962.17	998.16	0.67	0.01	0.88	0.00
ILMN_1250910	Rab43	NM_001039394.1	669.00	617.96	367.02	656.32	647.61	330.98	776.13	919.51	571.77	329.13	310.01	435.64	368.28	398.95	508.79	664.89	535.58	666.21	0.97	0.21	0.31	0.01
ILMN_2601639	Gnl3	NM_178846.2	9060.22	8853.92	9226.14	9312.53	8917.69	8244.38	13294.06	12495.06	14567.83	10106.76	9066.90	8436.15	10212.49	9209.25	9441.85	14862.19	14163.39	13224.26	0.54	0.00	0.51	0.00
ILMN_1245263	Tmem181	NM_001033178.1	273.21	276.87	251.03	311.10	275.70	204.57	389.68	458.21	351.57	250.17	306.13	286.28	226.73	303.38	302.15	427.63	556.62	459.22	0.92	0.01	0.91	0.01
ILMN_2503987	Zbtb43	NM_001025594.1	202.06	237.27	158.16	230.21	220.42	137.98	338.66	366.79	239.90	152.03	162.25	160.11	163.71	202.76	199.43	291.31	247.46	320.74	0.94	0.06	0.08	0.00
ILMN_1230215	6720406L13Rik	AK078395	76.50	102.70	91.00	76.10	89.17	97.21	108.51	118.35	187.75	117.43	81.34	96.55	84.39	109.39	88.96	170.07	146.53	140.33	0.81	0.14	0.76	0.02
ILMN_2601441	4931406P16Rik	NM_172741.2	707.70	684.32	839.18	672.25	653.68	853.24	948.60	1169.69	1757.30	730.74	619.13	689.62	803.35	617.40	710.91	1136.37	1169.65	925.31	0.84	0.09	0.65	0.01
ILMN_1255524	Chka	NM_001025566.1	44.66	44.05	40.55	44.71	32.88	50.04	51.53	79.36	37.00	41.78	45.26	39.94	56.47	54.68	46.03	69.54	78.25	71.80	0.92	0.36	0.05	0.00
ILMN_2662192	Gramd3	NM_026240.2	76.66	94.43	92.14	100.91	92.22	66.03	107.76	109.46	113.51	64.78	83.86	88.19	87.66	89.76	94.53	152.72	144.58	129.51	0.91	0.02	0.19	0.00
ILMN_2745849	Snapc1	NM_178392.4	258.08	232.40	94.24	245.41	242.16	87.46	330.05	354.21	189.63	84.97	113.35	132.62	132.03	108.57	157.47	217.86	155.91	218.93	0.97	0.25	0.32	0.03
ILMN_2591440	Ccrn4l	NM_009834.1	1211.92	1209.76	507.97	1248.79	1265.25	433.15	2650.24	2787.80	1214.48	495.56	462.42	547.71	545.37	388.06	661.38	1553.63	1015.23	1802.28	0.99	0.09	0.74	0.01
ILMN_2737517	Clk4	NM_007714.4	1066.00	1016.58	642.53	1051.75	1008.38	603.08	1465.76	1561.86	1067.23	654.63	660.46	742.12	604.52	701.64	796.59	1196.20	1131.91	1278.60	0.92	0.09	0.82	0.00
ILMN_1252294	Eef2	NM_007907.1	1050.97	1077.45	1538.72	1114.20	1089.04	1318.52	1483.45	1521.06	1797.54	1341.71	1433.88	1526.81	1291.74	1498.26	1323.45	2134.37	2764.77	2336.38	0.79	0.11	0.49	0.01
ILMN_2974041	Pmm1	NM_013872.1	506.73	560.58	502.25	606.21	531.79	406.35	860.66	770.81	508.09	456.62	644.51	621.15	581.47	732.22	823.34	734.74	862.48	1030.12	0.90	0.15	0.21	0.04
ILMN_1227242	Papd4	NM_133905.2	69.90	61.12	32.28	87.17	72.61	20.00	119.21	105.22	38.24	31.25	21.62	41.91	25.87	34.62	60.27	65.21	55.44	65.61	0.83	0.29	0.51	0.01
ILMN_2696575	Ctnnb1	NM_007614.2	4832.12	4635.95	2558.77	4514.43	5080.12	2290.51	6612.70	7391.89	3855.47	2523.26	3283.52	3763.61	2647.13	3539.08	3874.77	4976.28	5721.06	6452.99	0.97	0.21	0.77	0.01
ILMN_2884126	Phldb1	NM_153537.3	400.35	440.43	359.69	384.60	409.68	368.67	595.77	598.14	526.53	440.60	386.30	365.54	368.12	365.08	401.89	624.44	653.92	630.13	0.66	0.01	0.49	0.00
ILMN_3078499	Recql4	NM_058214.2	45.92	26.94	60.67	41.27	32.99	50.48	54.91	23.42	71.90	39.04	41.10	41.09	23.95	52.14	42.03	77.13	87.67	58.66	0.80	0.76	0.91	0.02
ILMN_2677882	Tanc1	NM_198294.2	1296.16	1156.36	501.76	1378.53	1171.83	425.99	1601.61	1686.23	703.20	511.52	604.77	645.55	589.59	574.54	734.30	841.22	798.05	1132.14	0.99	0.43	0.52	0.04
ILMN_1224866	Ptgs1	NM_008969.3	548.74	608.85	179.93	599.52	662.18	138.05	955.44	908.78	292.10	208.23	243.39	277.45	280.62	289.24	400.89	406.34	403.50	620.61	0.93	0.34	0.14	0.04
ILMN_2599402	Tle1	NM_011599.3	102.54	94.24	104.05	104.73	86.10	101.61	143.75	127.47	159.79	106.52	72.36	82.41	96.40	107.36	104.38	157.62	147.95	147.56	0.69	0.01	0.22	0.00
ILMN_2701779	1700108L22Rik	NM_145988.1	907.07	1003.20	534.00	883.58	955.53	523.11	1352.94	1588.08	752.40	351.13	440.24	475.27	464.83	443.64	508.07	719.69	905.29	876.25	0.90	0.22	0.30	0.00
ILMN_2538519	1700008H02Rik	XM_359179	900.17	919.19	419.88	961.05	965.61	340.00	1366.44	1641.94	490.25	416.15	524.69	537.49	479.72	594.53	628.95	693.43	767.72	846.41	0.97	0.34	0.27	0.01
ILMN_2708211	Rbm38	NM_019547.2	26.15	26.41	36.00	25.62	29.79	29.54	59.93	37.88	49.12	20.00	34.85	37.97	20.00	39.78	34.88	71.65	69.30	69.36	0.75	0.05	0.94	0.00
ILMN_3068231	Max	NM_008558.1	80.56	81.90	109.11	92.91	70.77	99.19	98.22	104.04	147.41	86.36	100.82	101.88	98.81	127.91	109.27	199.45	168.03	171.14	0.83	0.22	0.19	0.00
ILMN_2483948	Specc1	NM_001029936.2	1306.58	1317.43	1584.15	1353.51	1358.97	1342.14	2121.72	1988.04	2145.02	1657.71	1680.59	1673.85	1679.53	1573.18	1620.85	2736.54	2523.84	2294.24	0.60	0.00	0.22	0.00
ILMN_2552490	6720463L11Rik	AK032861	1746.57	2072.59	1549.57	1805.61	1881.41	1494.24	2571.29	2589.89	2235.80	1736.30	1685.33	1701.93	1866.27	2006.55	1893.66	2571.10	2536.66	2743.96	0.76	0.02	0.01	0.00
ILMN_2495961	Brd2	NM_001025387.2	90.86	83.58	95.85	95.06	92.09	75.15	108.81	150.18	175.76	96.95	96.06	88.71	110.60	95.68	89.65	171.11	162.52	146.70	0.73	0.05	0.52	0.00
ILMN_2615232	Ppp2r1b	NM_001034085.1	349.65	334.73	325.86	333.16	345.52	299.20	454.43	392.70	498.31	276.21	261.62	271.52	274.52	233.93	253.50	477.25	419.41	393.12	0.52	0.02	0.27	0.00
ILMN_2694175	Cd97	NM_011925.1	235.25	198.25	244.19	202.58	220.21	230.43	304.75	279.02	369.23	240.70	205.02	210.04	167.01	202.48	253.20	319.17	412.16	396.77	0.64	0.04	0.71	0.01
ILMN_2421813	Zfp180	NM_172483.1	631.17	618.41	548.84	603.27	726.58	439.33	949.50	1001.01	738.85	592.67	620.00	580.03	632.56	624.95	553.83	938.24	856.39	966.14	0.92	0.02	0.83	0.00
ILMN_2702989	Tex10	NM_172304.3	403.60	370.48	388.11	374.47	370.78	375.05	542.21	531.86	447.42	407.58	414.52	333.11	425.79	416.80	354.22	634.56	618.91	552.42	0.22	0.02	0.71	0.00
ILMN_1217836	G630056H24Rik	AK090343	48.14	49.33	39.54	47.97	41.16	42.65	52.17	94.16	99.06	43.44	50.00	29.21	29.94	35.97	48.55	99.29	91.25	89.14	0.66	0.08	0.76	0.00
ILMN_1234133	3632431M01Rik	XM_132843	59.00	61.78	52.49	61.56	52.00	53.56	76.46	91.19	78.09	45.90	39.73	40.85	38.94	36.27	40.18	76.25	60.70	71.99	0.64	0.01	0.17	0.01
ILMN_2722863	Ccdc55	NM_001012309.1	1172.79	1143.07	793.19	1082.65	1128.22	779.40	1634.58	1614.13	1099.28	719.95	1007.88	951.12	869.91	944.60	902.23	1236.33	1552.71	1366.37	0.82	0.13	0.90	0.02
ILMN_2501026	Dnajc5	NM_016775	3366.74	3215.43	3517.49	3173.60	3255.24	3299.77	4750.32	4786.52	5648.02	3129.17	3218.46	3188.27	3390.78	3056.64	3414.11	5044.94	4813.39	4684.36	0.26	0.01	0.41	0.00
ILMN_2804973	Zfp639	NM_144519.2	1751.64	1612.19	1134.03	1711.88	1586.27	1054.92	2310.80	2512.94	1792.60	1087.08	1289.80	1354.32	1220.79	1361.47	1394.97	1759.53	1871.72	2050.00	0.87	0.07	0.44	0.01
ILMN_2657857	Mpv17	NM_008622.3	222.62	266.03	263.15	264.78	261.19	201.42	375.70	375.21	351.30	222.91	276.62	243.45	210.47	323.67	311.22	401.98	398.63	446.44	0.76	0.00	0.43	0.00
ILMN_2709820	Dtx2	NM_023742.1	345.52	318.03	303.17	284.58	324.28	322.39	416.91	448.57	530.18	263.69	351.78	377.66	300.33	326.61	352.71	563.80	595.40	588.63	0.55	0.02	0.91	0.00

ILMN_1213574	Vcpip1	NM_173443.2	100.49	120.81	24.74	111.14	101.98	23.66	182.30	191.81	36.15	38.18	47.32	59.27	40.87	50.65	59.31	85.45	69.83	106.38	0.94	0.40	0.82	0.03
ILMN_2921103	Hnrpm	NM_029804.1	19228.19	18076.15	10680.63	17487.19	17698.38	10689.22	20895.99	22969.50	14735.91	9870.61	13796.74	13695.63	11872.92	13624.06	14122.73	18917.35	17462.88	19797.53	0.85	0.39	0.63	0.01
ILMN_1252121	Sltm	NM_025690.3	2248.56	2334.41	1489.95	2249.80	2321.91	1334.05	2556.70	2674.12	1954.53	1541.99	1338.35	1653.09	1640.29	1380.81	1579.07	2503.78	1981.97	2559.08	0.90	0.35	0.86	0.02
ILMN_1251191	Usp43	NM_173754.4	90.02	86.58	52.35	99.29	68.02	53.83	116.70	136.07	99.87	47.19	51.47	75.77	38.38	53.83	51.05	148.87	103.18	98.97	0.89	0.06	0.36	0.03
ILMN_2755258	Dscr3	NM_007834.2	158.33	133.95	138.69	155.90	144.76	115.96	237.19	248.51	140.35	118.40	122.34	135.80	92.14	133.33	131.17	214.68	207.03	216.57	0.75	0.14	0.67	0.00
ILMN_1229502	Ddb2	NM_028119.4	110.94	133.07	101.21	93.92	130.04	108.80	170.57	216.25	112.30	40.40	100.11	101.55	94.04	106.09	92.25	140.66	156.50	173.10	0.78	0.18	0.46	0.03
ILMN_2650732	Taf15	NM_027427.1	792.05	691.54	984.22	823.22	809.67	719.20	1082.19	1129.03	1596.97	949.10	969.06	905.21	835.08	981.32	910.92	1394.60	1353.99	1502.30	0.70	0.07	0.53	0.00
ILMN_1235240	9830169C09Rik	AK036738	20.00	20.00	22.52	20.00	20.00	20.00	23.20	30.26	56.54	20.00	20.00	20.00	20.00	20.00	20.00	41.17	51.12	42.37	0.37	0.19	1.00	0.00
ILMN_3060442	Dnajb6	NM_001037940.1	810.71	742.80	680.87	698.68	791.15	658.38	1140.96	1230.79	629.82	510.55	847.20	701.49	688.72	821.95	726.77	986.33	1100.89	1157.14	0.62	0.25	0.60	0.02
ILMN_1242383	Atp2b2	AK047336	20.00	36.58	47.30	38.54	24.51	32.49	44.74	71.46	99.13	34.98	36.35	35.26	49.26	42.52	43.05	59.73	71.35	65.23	0.77	0.10	0.01	0.00
ILMN_2728682	Prr18	NM_178774.3	20.00	22.56	20.00	20.00	20.00	20.00	24.87	36.85	56.90	20.00	20.00	20.00	39.67	20.00	24.74	54.46	55.61	47.80	0.37	0.12	0.24	0.00
ILMN_2422360	1110036D12Rik		150.22	140.56	90.10	147.81	166.35	68.56	223.58	184.38	107.76	75.58	83.45	102.10	75.44	96.38	74.40	165.72	119.25	173.75	0.99	0.31	0.66	0.02
ILMN_1251273	Pnpla8	NM_026164.2	1217.30	1103.25	946.47	1204.23	1148.98	814.05	1657.02	1697.62	1323.52	844.75	834.02	904.80	1083.76	884.43	1055.17	1343.55	1363.04	1355.35	0.83	0.03	0.09	0.00
ILMN_2712731	Phf10	NM_024250.3	3359.35	3410.66	1594.10	3172.52	3602.93	1414.80	4573.57	5429.68	1837.26	1696.24	1919.49	2015.47	1830.88	1929.71	2698.42	2603.72	2864.42	3478.23	0.95	0.40	0.40	0.02
ILMN_1216409	1500012F01Rik	NM_001081005.1	4405.41	4764.14	2819.41	4735.69	4358.22	2532.21	6635.17	6942.24	3762.97	2765.75	3399.08	3417.49	2892.87	3490.74	3509.61	4615.26	4747.99	5668.38	0.90	0.20	0.74	0.01
ILMN_1247787	ORF19	NM_026833.1	928.28	788.56	276.36	850.30	936.97	223.93	1320.15	1524.26	416.70	224.87	447.07	477.76	336.36	504.73	469.62	606.57	787.34	927.00	0.98	0.34	0.60	0.03
ILMN_2600315	Ercc8	NM_028042.3	263.94	275.15	142.64	279.06	278.81	117.41	304.95	278.28	176.57	145.75	122.02	140.80	179.34	161.17	187.11	242.08	248.15	212.64	0.98	0.68	0.02	0.00
ILMN_3138743	Acsl3	NM_028817.2	546.14	497.76	490.62	498.45	528.72	445.74	696.38	703.12	604.16	445.78	495.39	510.10	537.08	502.74	553.94	725.59	805.22	751.42	0.53	0.01	0.13	0.00
ILMN_1229994	Srxn1	NM_029688.4	171.92	184.47	211.23	163.06	191.33	189.00	221.74	254.70	198.86	240.74	212.64	237.59	245.34	295.40	348.68	529.39	464.29	502.07	0.61	0.15	0.10	0.00
ILMN_2593230	Mllt4	NM_010806.1	2322.72	2414.13	1973.87	2399.37	2193.40	1840.32	2687.68	3653.10	3260.07	1807.14	2057.01	2328.64	2170.09	2159.22	2303.33	3699.65	3589.89	3860.83	0.68	0.04	0.40	0.00
ILMN_1238103	4833441J24Rik	NM_133923.2	49.84	51.43	57.52	49.28	44.14	59.27	68.84	108.90	139.66	61.16	47.11	64.71	63.29	61.27	67.18	102.67	105.33	93.95	0.71	0.06	0.33	0.00
ILMN_2495860	5430411C19Rik	XM_001478639.1	52.57	62.23	93.48	64.41	56.27	73.71	110.60	109.77	186.66	58.86	47.00	42.86	58.04	44.46	64.86	134.03	126.70	127.04	0.75	0.08	0.46	0.00
ILMN_3139875	Acot1	NM_012006.2	883.13	784.69	993.69	788.85	830.59	917.23	1133.82	1094.31	1222.53	626.83	677.91	701.72	655.76	717.84	673.51	933.02	1067.65	1028.92	0.59	0.02	0.66	0.00
ILMN_3005587	1700109H08Rik	NM_029843.1	24.37	20.00	40.24	24.98	20.00	34.24	25.48	35.80	20.00	20.00	21.71	26.28	20.00	22.24	27.60	46.40	42.75	39.71	0.82	0.89	0.84	0.00
ILMN_1253854	Tgif1	NM_009372.2	566.91	557.17	387.02	552.10	556.82	346.92	1227.43	1554.02	680.84	472.25	463.69	474.63	441.95	555.06	552.68	1215.40	1223.06	1460.78	0.85	0.07	0.28	0.00
ILMN_1215412	Neo1	AK087272	63.49	55.28	24.15	45.19	46.56	35.08	84.06	72.08	60.17	42.64	34.73	42.78	48.94	38.22	48.62	64.40	51.89	70.55	0.69	0.15	0.30	0.02
ILMN_1244671	EG668643	XM_001480825.1	248.72	250.52	75.13	238.01	252.87	67.71	290.85	339.68	123.20	59.59	69.50	73.84	79.91	62.35	91.00	112.10	96.20	135.39	0.95	0.53	0.34	0.02
ILMN_2649818	Specc1	NM_001029936.2	20.20	20.00	22.75	20.00	20.00	20.00	30.74	29.97	20.00	28.36	20.00	20.21	20.85	26.06	24.18	38.76	32.95	38.22	0.33	0.17	0.80	0.01
ILMN_2988631	Dscr3	NM_007834.1	182.50	172.53	163.09	178.97	173.65	143.77	263.50	210.71	217.19	163.06	194.68	180.65	145.37	207.83	156.45	243.16	288.11	282.41	0.59	0.03	0.68	0.01
ILMN_1217060	Zfp770	NM_175466.2	347.74	347.99	223.26	372.66	373.70	168.73	466.11	537.42	272.63	207.80	261.06	224.51	224.20	267.58	288.77	349.92	375.51	385.44	0.99	0.25	0.30	0.00
ILMN_2960108	Cyp27a1	NM_024264.3	42.54	39.25	77.63	32.12	38.20	91.71	108.74	74.82	181.75	66.21	62.72	58.83	71.17	76.34	65.01	121.86	144.69	146.55	0.97	0.11	0.10	0.00
ILMN_2418143	5330401F18Rik		150.62	157.28	74.97	131.77	154.31	75.67	274.33	282.38	135.73	69.43	106.57	110.40	88.18	94.21	107.83	181.99	145.35	176.61	0.85	0.13	0.93	0.01
ILMN_2757916	Armc10	NM_026034.3	2065.25	1792.46	1455.87	1921.41	1843.69	1316.53	2238.25	2574.39	1662.82	1183.03	1566.64	1852.02	1333.16	1763.28	1677.28	2311.12	2441.50	2688.30	0.78	0.29	0.82	0.01
ILMN_2614853	6720458F09Rik	NM_177374.2	1041.46	859.61	867.76	923.61	870.23	835.53	912.28	1150.24	1111.35	869.10	789.10	830.63	901.42	952.94	891.78	1610.91	1517.09	1240.13	0.51	0.23	0.05	0.01
ILMN_2735575	Acp2	NM_007387.1	297.16	332.00	263.73	288.92	325.06	239.22	453.51	417.86	429.74	213.01	261.93	279.25	245.83	340.76	331.65	446.48	523.57	447.25	0.70	0.00	0.21	0.00
ILMN_2774121	Mrg1	NM_010825	575.30	519.99	290.80	604.49	577.59	215.11	890.68	904.12	360.29	224.17	257.01	346.33	321.02	278.23	325.23	482.46	414.61	586.55	0.98	0.27	0.46	0.02
ILMN_2754515	LOC638050	XM_913925.2	268.71	258.04	130.82	268.39	280.02	104.01	366.93	460.21	197.46	140.75	177.61	184.80	151.12	192.51	230.68	280.00	298.70	370.34	0.98	0.24	0.42	0.01
ILMN_1259180	Rcan1	NM_019466.3	31.25	32.30	42.92	20.00	60.78	30.70	60.61	40.07	55.87	39.94	43.82	32.45	42.96	32.48	27.51	67.24	65.77	63.18	0.90	0.08	0.48	0.00
ILMN_2951446	Ypel5	NM_027166.3	149.34	124.60	99.47	135.27	128.45	91.74	168.35	257.66	179.44	87.06	91.45	96.93	86.14	112.04	94.47	189.22	145.10	160.98	0.78	0.07	0.52	0.01
ILMN_1237830	1110020G09Rik	NM_001085410.1	106.28	62.73	20.00	69.69	82.36	20.00	128.76	192.69	36.22	20.00	22.67	28.10	20.00	22.43	35.68	61.05	43.46	60.74	0.87	0.34	0.68	0.01
ILMN_1258545	Zfp131	NM_028245.1	2413.67	2302.93	1834.34	2389.60	2405.24	1527.01	3200.63	3518.93	2553.29	1918.28	1974.14	2002.12	1962.28	2416.60	2372.72	3529.78	3074.46	3697.17	0.83	0.05	0.12	0.00
ILMN_2749235	Stk24	NM_145465.1	694.74	664.24	527.70	693.34	685.53	440.68	1016.39	1054.39	748.30	518.57	589.61	568.97	596.69	643.70	741.34	876.55	906.80	1013.36	0.83	0.05	0.10	0.00
ILMN_2767918	Ifi30	NM_023065.3	217.78	266.65	274.25	195.81	215.21	324.94	282.24	285.12	489.22	351.10	316.82	338.28	403.70	379.45	428.95	526.23	529.63	622.01	0.87	0.23	0.02	0.00
ILMN_3006930	Mospd1	NM_027409.1	408.24	360.43	253.87	357.90	369.81	242.34	355.97	508.41	292.32	223.66	323.69	310.13	267.64	337.42	331.64	369.33	423.80	487.33	0.79	0.60	0.53	0.04
ILMN_2977535	D930015E06Rik	NM_172681.3	68.88	70.47	149.45	68.69	63.43	142.94	99.04	99.54	253.27	126.95	144.53	124.03	118.02	117.91	122.72	229.39	198.03	182.68	0.91	0.40	0.14	0.01
ILMN_1248647	LOC100047837	XM_001478863.1	116.87	122.36	137.85	129.25	103.98	125.88	171.32	181.24	195.74	134.06	106.68	111.70	130.16	96.32	86.65	203.61	175.81	164.61	0.59	0.00	0.45	0.01
ILMN_2560832	9330174H21Rik	AK034293	99.14	86.98	63.20	75.24	77.69	79.93	145.79	133.80	93.34	57.15	65.81	77.82	62.47	72.42	76.43	124.11	104.94	116.17	0.63	0.10	0.66	0.00
ILMN_3162781	C230055K05Rik	NM_001039231.2	585.50	605.84	367.27	583.64	598.99	319.31	988.92	1146.23	557.33	318.62	368.79	369.79	404.60	349.61	394.74	784.72	599.99	704.43	0.88	0.12	0.27	0.00
ILMN_2726055	Shmt1	NM_009171	173.13	154.19	209.06	129.27	169.38	218.04	240.07	232.05	392.07	230.88	226.07	199.09	220.95	223.07	224.66	403.79	453.29	438.81	0.84	0.12	0.69	0.00
ILMN_1219686	Esd	NM_016903.4	6716.95	6753.86	4322.66	6669.41	6752.66	3720.15	8679.71	9261.76	5111.53	4485.04	4936.27	5374.31	5245.08	5898.89	6779.93	6477.52	7194.46	8990.43	0.87	0.31	0.11	0.03
ILMN_2687156	Galm	NM_176963.4	83.86	66.06	117.28	69.55	60.98	130.82	121.31	109.95	217.42	117.96	96.02	98.98	112.79	103.68	91.52	170.14	170.03	146.11	0.95	0.18	0.87	0.01
ILMN_1223318	4833420G17Rik	NM_026127.3	1029.16	1019.78	572.18	981.48	1064.79	490.55	1615.97	1662.93	682.47	452.03	588.47	714.96	603.94	628.94	759.34	926.06	795.02	1082.14	0.91	0.27	0.43	0.04
ILMN_3018017	Cxadr	NM_001025192.2	1646.57	1638.99	1411.97	1515.35	1690.02	1268.78	1667.64	1742.64	1721.53	1166.86	1373.86	1366.45	1255.09	1441.96	1485.78	2204.59	1771.47	2155.79	0.63	0.15	0.40	0.01
ILMN_3060766	Arl6ip2	NM_019717.2	460.08	423.61	450.73	472.58	397.42	397.50	506.69	482.52	537.45	491.91	454.76	412.69	631.30	638.51	623.66	690.84	779.75	681.93	0.46	0.03	0.00	0.00
ILMN_2614945	Recql4	NM_058214.2	416.63	404.34	556.48	420.87	352.59	536.79	778.98	757.15	1348.51	566.92	504.77	538.67	509.53	538.24	560.36	1022.38	1185.66	1060.53	0.77	0.07	0.98	0.00
ILMN_2877464	Zbtb9	NM_001005916.2	29.40	29.97	57.28	29.52	32.12	45.20	54.71	58.84	80.69	53.28	47.14	47.07	37.01	49.67	51.89	76.66	100.22	69.40	0.77	0.10	0.59	0.03
ILMN_3070389	ENSMUSG00000(	NM_001029930.1	814.88	827.80	927.11	769.98	737.54	934.55	1223.59	1308.64	1970.36	1002.54	950.97	1022.64	1014.21	907.86	906.74	1799.30	1654.11	1672.01	0.58	0.05	0.30	0.00
ILMN_2419777	Ppm1l	NM_178726	28.50	36.67	31.13	29.85	20.00	46.09	40.40	32.58	76.44	28.93	36.02	27.18	48.46	39.70	29.58	62.52	51.29	56.79	0.99	0.27	0.23	0.00
ILMN_2533143	LOC234081	XM_134040.5	362.82	338.52	416.01	413.80	355.99	291.97	590.10	575.73	489.76	510.68	593.43	530.27	549.26	508.02	497.46	740.46	923.32	848.16	0.68	0.01	0.42	0.01
ILMN_2588860	Ddx31	NM_001033294.2	155.20	124.93	114.95	125.18	118.33	126.65	152.30	201.03	150.58	142.51	147.33	151.93	130.80	151.24	138.29	217.02	249.33	218.50	0.54	0.15	0.34	0.00
ILMN_2493464	Mllt4	NM_010806.1	1001.85	889.60	750.88	1018.68	866.30	637.95	1184.60	1287.82	1124.48	746.95	764.76	837.32	825.25	761.48	819.93	1259.63	1167.41	1356.16	0.78	0.02	0.61	0.00
ILMN_2563435	B130008D24Rik	AK044854	80.77	78.89	117.97	95.51	76.20	86.87	151.00	118.54	140.87	99.63	76.80	82.39	102.64	67.94	82.91	139.99	123.46	142.32	0.67	0.05	0.89	0.01
ILMN_2620053	Als2	NM_028717.3	85.92	84.28	84.84	82.71	55.86	111.71	88.46	92.58	115.61	83.42	88.86	71.92	77.86	88.61	86.04	128.95	131.60	120.18	0.93	0.18	0.67	0.00
ILMN_2937735	Irak2	NM_172161.2	109.98	72.16	88.67	81.18	79.38	91.58	110.15	102.55	141.61	116.26	114.30	103.32	146.92	127.94	148.48	189.53	173.23	191.99	0.62	0.16	0.02	0.00
ILMN_3136867	Josd3	NM_027261.1	1408.46	1355.61	592.73	1474.61	1343.93	478.61	2077.74	2929.60	1053.59	600.29	1037.89	1115.96	680.35	957.72	1061.22	1479.91	1683.03	1907.48	0.96	0.21	0.93	0.02
ILMN_1251541	LOC385699	XM_358915.1	10752.44	11510.28	7601.46	11286.44	11319.35	6168.31	18029.17	19649.36	10534.29	9108.23	10588.34	11988.51	8914.24	10880.60	12846.49	13850.90	15362.59	19972.76	0.87	0.12	0.83	0.04
ILMN_2726746	4930513E20Rik	XM_149158.1	36.08	20.00	20.00	30.10	20.00	20.00	26.53	23.54	41.18	20.00	20.00	20.00	20.00	20.75	34.52	49.58	35.65	31.82	0.77	0.54	0.34	0.02
ILMN_2942883	Nt5dc3	NM_175331.3	80.23	79.21	64.08	65.77	59.85	86.28	75.49	92.85	91.41	74.64	94.49	75.70	55.43	63.56	67.51	141.56	121.01	114.23	0.71	0.19	0.06	0.01
ILMN_1243910	Zfp292	XM_909747.3	1029.12	836.06	661.25	1037.21	926.15	493.22	1903.46	1902.70	1023.77	543.39	759.05	789.94	478.54	791.74	787.10	1319.13	1668.79	1867.34	0.91	0.07	0.93	0.01
ILMN_1226334	Mrps18b	NM_025878	499.84	496.29	565.16	555.35	488.46	430.28	684.72	668.28	706.16	481.62	512.70	552.59	463.06	603.69	586.77	921.21	897.74	870.02	0.53	0.00	0.51	0.00
ILMN_2713449	Sfrs2ip	NM_028148.2	2835.50	2851.88	2201.30	2844.43	2939.31	1769.11	3871.89	4647.54	2774.83	1858.25	2287.93	2433.45	2250.95	2445.55	2615.30	3274.30	3287.19	3472.30	0.81	0.12	0.29	0.00
ILMN_2507810	mtDNA_ND5		3263.15	3580.57	2813.70	3470.36	3528.47	2229.03	5053.87	5301.96	3853.81	1899.68	2938.07	3002.03	2241.49	2835.16	2702.04	4285.22	5539.92	5598.09	0.78	0.04	0.96	0.01
ILMN_2763103	Arf6	NM_007481.3	1485.83	1384.60	1069.57	1566.31	1413.97	824.13	1700.28	1845.25	1272.03	1135.06	1275.62	1203.58	1324.23	1410.26	1364.78	1867.82	1677.95	2071.43	0.87	0.24	0.03	0.01
ILMN_2419138	Vcl	NM_009502.4	11507.46	10466.60	6574.82	11639.66	11657.17	4840.68	14516.13	15642.98	6841.23	5588.79	7896.39	7301.41	5985.77	8175.47	6663.33	10899.86	9928.42	11337.70	0.96	0.42	0.99	0.01
ILMN_2810047	Iars	NM_172015.1	2130.02	1882.91	1272.00	1960.30	2154.23	1001.74	2992.10	2787.85	1523.25	1241.35	1543.24	1679.55	1434.71	1441.29	1574.45	2292.82	2224.19	2769.50	0.90	0.27	0.98	0.01
ILMN_2743503	E2f3	NM_010093.2	282.67	192.96	208.69	225.01	218.97	191.28	297.06	295.10	266.65	193.51	187.41	200.65	205.94	199.35	164.96	401.83	291.55	299.91	0.61	0.12	0.79	0.02
ILMN_1259982	LOC100046616	XM_001476512.1	162.86	180.75	186.02	169.16	144.42	185.45	204.30	241.25	362.51	231.34	213.93	172.87	233.36	287.79	285.54	463.18	393.48	379.37	0.50	0.13	0.06	0.00
ILMN_1228386	Zfp558	XM_906919.2	24.18	20.00	20.00	20.00	20.00	20.00	20.97	27.82	26.23	20.00	20.00	20.00	20.00	20.00	20.00	27.11	43.49	38.92	0.37	0.22	1.00	0.03
ILMN_1219173	Noc3l	NM_021315.1	260.26	236.09	214.94	217.30	238.13	210.96	299.06	387.55	382.39	228.85	236.67	221.71	231.11	229.82	227.19	393.45	431.83	415.44	0.39	0.02	0.95	0.00
ILMN_2651886	Pgk1	NM_008828.2	11389.21	10270.32	6119.39	11057.78	10160.75	5262.87	19243.22	18046.30	10022.99	6105.84	8050.04	9365.63	6989.19	8022.64	8905.90	11690.05	14533.20	15935.93	0.87	0.12	0.91	0.02
ILMN_1230054	B630005N14Rik	NM_175312.3	368.38	349.05	145.04	276.70	338.79	163.91	498.03	556.49	209.86	124.08	96.16	142.27	167.48	108.39	166.11	255.22	163.01	229.35	0.77	0.36	0.33	0.04
ILMN_2738233	LOC100041416	XM_001476334.1	21.51	22.57	20.00	20.00	20.00	20.00	25.03	36.78	24.54	20.00	20.00	20.00	20.00	20.00	20.00	29.11	38.03	41.07	0.14	0.14	1.00	0.01
ILMN_3095356	LOC545013	NM_001025085.1	189.16	162.25	63.79	179.29	183.21	49.10	274.74	361.64	167.10	80.32	94.99	104.99	93.51	85.77	124.30	177.45	146.49	267.20	0.98	0.13	0.60	0.05
ILMN_3004864	Unc84b	NM_194342.1	4291.11	4172.98	3078.61	3986.21	4014.65	2837.77	6141.37	5636.15	4313.55	2995.13	3754.62	3675.62	3258.40	3905.66	3358.10	4764.82	5408.60	5450.53	0.69	0.09	0.92	0.01
ILMN_1240406	D130059O18Rik	AK051608	150.16	163.58	125.96	145.45	152.38	114.94	254.50	332.24	189.61	126.95	125.88	109.74	97.95	148.76	126.46	188.50	272.69	309.81	0.60	0.06	0.83	0.02
ILMN_1235933	Utx	AK045533	49.64	41.84	65.48	50.53	46.07	48.05	71.68	87.56	115.90	39.61	45.51	55.90	57.01	61.39	61.26	87.58	77.56	70.67	0.59	0.06	0.06	0.01
ILMN_3070701	Camk2d	NM_001025439.1	20.00	20.00	25.40	20.88	20.00	20.00	25.75	26.03	20.00	20.00	20.00	20.00	20.00	20.00	20.00	41.99	30.11	27.93	0.46	0.47	1.00	0.04
ILMN_2618038	Mizf	NM_172162.2	20.00	43.02	43.79	20.00	32.93	47.02	61.70	56.80	100.74	55.61	46.49	61.94	58.18	43.10	41.97	127.84	106.68	104.53	0.85	0.08	0.37	0.00
ILMN_1255779	Tbc1d8	NM_018775.3	93.17	96.21	28.46	58.91	110.22	32.27	173.04	216.40	75.92	43.80	41.75	64.86	69.25	46.36	75.99	123.57	104.82	143.80	0.87	0.15	0.30	0.01
ILMN_1246785	Rai3	NM_181444	36.55	28.00	28.92	32.63	37.24	20.00	32.94	31.92	27.53	35.89	20.00	21.27	36.42	45.96	41.97	52.14	43.67	46.49	0.85	0.91	0.05	0.02
ILMN_2734549	Fbxl12	NM_013911.2	134.30	130.91	96.53	120.18	132.19	87.66	178.20	167.06	138.45	82.94	125.13	114.94	109.58	133.16	130.66	187.98	210.93	176.04	0.71	0.07	0.32	0.01
ILMN_1243903	Hspbap1	NM_175111.3	300.04	298.31	215.41	282.50	274.62	203.89	404.35	425.32	321.10	243.07	329.90	305.62	252.06	314.64	311.19	474.04	494.09	494.05	0.66	0.06	0.99	0.00
ILMN_1228007	Ddx10	XM_001481328.1	118.08	104.88	115.50	101.77	95.67	120.52	141.22	141.85	154.90	91.87	101.01	100.40	111.12	101.60	89.58	185.00	154.47	131.96	0.47	0.01	0.69	0.02
ILMN_2490252	Spred1	NM_033524	1072.73	997.06	1142.66	985.66	995.30	1020.65	1303.08	1334.83	1644.62	829.55	919.51	911.17	865.75	940.97	990.95	1430.88	1346.13	1268.26	0.18	0.04	0.38	0.00
ILMN_1228441	C230043G09Rik	AK048752	412.76	388.31	486.42	352.42	364.45	495.86	491.19	548.15	809.77	412.99	366.33	421.32	406.10	357.63	424.65	750.04	680.15	688.36	0.67	0.14	0.88	0.00
ILMN_1215818	4933439J20Rik	AK030267	168.69	213.72	162.70	188.67	211.57	119.99	297.64	328.99	202.65	167.68	191.28	166.95	147.96	176.34	188.52	260.46	277.54	294.38	0.81	0.08	0.78	0.00
ILMN_2797928	Mustn1	NM_181390.1	114.52	124.04	138.00	87.56	127.02	143.90	191.65	162.10	186.05	92.76	104.86	83.18	99.47	141.14	131.91	191.06	181.04	167.68	0.76	0.01	0.10	0.00
ILMN_2895388	Insig1	NM_153526.2	745.90	700.61	299.08	667.76	703.84	271.27	929.09	1175.02	532.02	295.87	355.94	380.80	352.94	329.49	414.20	584.91	566.81	751.72	0.87	0.28	0.58	0.01
ILMN_2772998	Enpp2	NM_015744	48.30	32.82	20.00	33.43	38.57	20.00	76.82	128.39	34.62	20.00	20.00	20.00	20.00	20.97	23.07	79.69	34.26	87.52	0.77	0.18	0.21	0.05
ILMN_2597255	Cdc6	NM_011799.2	2245.52	2090.05	1778.40	2257.80	2114.65	1420.69	3092.15	3305.74	2206.93	1609.65	1721.20	1803.34	1382.01	1727.28	1732.41	2758.25	2499.10	2718.85	0.73	0.08	0.49	0.00
ILMN_1216623	LOC100047369	XR_033486.1	1876.84	1809.89	1157.29	1807.15	1960.17	900.61	2197.93	2413.56	1372.32	917.12	1600.39	1462.28	1312.85	1661.28	1560.22	1852.75	1985.32	2207.17	0.89	0.39	0.47	0.04
ILMN_2681311	1810007M14Rik	XM_904433.2	149.59	109.86	146.40	115.40	120.81	140.04	190.90	164.10	230.77	134.10	114.26	136.97	142.58	141.50	123.22	239.95	212.73	193.87	0.54	0.06	0.48	0.00
ILMN_2560756	Nid1	AK049585	54.53	47.32	43.81	48.97	38.36	48.81	60.71	92.26	113.29	65.91	43.01	46.74	64.78	56.06	54.93	127.10	137.41	150.85	0.54	0.06	0.44	0.00
ILMN_3097726	Gnl3	NM_178846.1	3561.03	3478.82	2500.63	3773.86	3429.63	1941.00	4363.80	4630.11	2339.89	2064.06	3352.82	3287.05	2256.14	3480.90	3407.05	4329.71	5295.19	5625.69	0.85	0.50	0.81	0.02
ILMN_2689740	Rg9mtd1	NM_029092.2	1292.88	1255.12	665.98	1280.91	1320.49	517.97	1540.47	1550.14	670.33	544.22	680.16	852.67	667.49	769.43	952.40	1014.72	975.50	1293.42	0.93	0.63	0.44	0.04
ILMN_1228213	Ifi30	NM_023065.3	597.98	607.77	608.61	515.13	687.87	504.88	872.17	948.15	637.98	631.31	792.96	830.08	849.64	1012.43	1104.58	1180.89	1321.16	1350.68	0.58	0.08	0.07	0.00
ILMN_1251193	A630084D02Rik	AK042346	1289.28	1184.89	802.58	1259.27	1371.93	573.64	1656.32	2384.53	1176.01	673.33	864.85	1074.50	729.63	859.08	1049.61	1456.53	1392.55	1933.20	0.94	0.17	0.96	0.02
ILMN_2504823	Trim47	NM_172570.4	458.51	501.11	307.27	405.74	478.13	293.65	765.28	798.76	451.50	265.61	388.92	340.28	280.31	336.68	350.91	754.54	582.18	796.63	0.73	0.12	0.84	0.01
ILMN_1257184	Cpeb4	NM_026252	276.81	242.46	170.18	253.37	257.34	141.30	325.99	339.78	260.16	121.89	136.63	187.50	170.81	150.90	174.11	240.56	245.18	250.05	0.81	0.12	0.48	0.01
ILMN_1226135	Ndor1	NM_001082476.1	420.72	424.18	461.55	390.99	398.64	425.91	507.61	567.93	630.51	431.36	472.58	405.71	529.44	517.53	514.97	670.05	741.15	786.58	0.15	0.02	0.01	0.00
ILMN_2705139	Ralgps2	NM_023884.3	243.91	261.24	183.34	248.76	250.74	150.86	324.70	403.49	261.44	180.97	270.99	305.20	196.61	242.93	240.24	392.29	411.58	444.12	0.77	0.10	0.55	0.01
ILMN_2652989	BC016608	NM_146080.1	20.00	20.00	30.59	20.00	24.63	20.00	34.66	44.97	71.17	30.73	26.68	20.00	20.00	20.00	20.00	67.90	44.21	55.25	0.63	0.08	0.14	0.02
ILMN_2746075	Csnk1d	NM_027874.2	682.88	720.21	527.67	636.17	732.33	447.73	1096.72	1012.66	743.91	526.13	611.09	617.07	577.00	598.74	684.37	906.56	944.14	1007.35	0.73	0.06	0.47	0.00
ILMN_1257485	2610029G23Rik	NM_026312.2	3913.29	3625.46	3865.27	3488.63	3737.20	3365.96	5221.91	4190.83	4826.37	3227.86	3747.77	3664.84	3256.41	3774.88	3621.01	5143.07	5500.32	5751.80	0.13	0.04	0.99	0.00
ILMN_2643513	Asns	NM_012055.3	7768.53	7385.51	6424.34	7389.58	7989.48	4988.53	14458.54	15996.48	8541.88	6428.59	7515.14	7660.99	6259.51	7742.32	7505.92	10380.84	13229.33	12609.54	0.71	0.07	0.96	0.01
ILMN_2656031	Grasp	NM_019518.3	20.00	20.00	25.09	20.00	20.00	20.00	20.00	20.00	63.41	20.00	20.00	20.00	20.00	20.00	20.00	34.36	28.64	38.47	0.37	0.43	1.00	0.01
ILMN_3013964	Tes	NM_011570.2	25.09	20.00	20.00	20.00	20.00	20.00	26.80	26.31	47.37	20.00	22.07	22.35	20.00	20.00	22.83	44.38	34.91	51.57	0.37	0.17	0.68	0.01
ILMN_1251679	Lrrc59	NM_133807.1	76.71	46.89	20.00	42.50	67.23	20.00	105.17	135.13	55.41	20.00	30.49	29.18	20.00	20.00	35.99	56.44	58.21	67.12	0.84	0.15	0.85	0.00
ILMN_1224306	E330027P06Rik	AK054460	88.34	78.42	96.49	76.83	85.07	81.07	98.33	98.05	117.04	72.20	81.25	71.44	80.68	73.57	94.03	105.90	104.27	131.80	0.30	0.11	0.31	0.01
ILMN_2671601	Selk	NM_019979.1	2049.28	2065.29	886.64	1925.58	2128.96	724.64	3201.92	3174.78	1465.11	871.41	1049.85	1167.96	994.80	1146.47	1246.56	1500.70	1499.95	1843.33	0.91	0.24	0.43	0.02
ILMN_2735735	Cspp1	NM_026493.3	351.32	341.16	163.76	293.52	379.99	139.30	335.01	418.02	197.90	152.43	176.44	206.26	163.77	197.17	228.47	267.96	235.98	324.27	0.88	0.74	0.50	0.03
ILMN_2683718	Lrpprc	NM_028233.2	244.23	178.66	155.23	200.14	179.48	149.22	254.91	390.22	216.77	168.69	186.91	167.44	168.40	174.78	184.76	265.73	262.40	300.19	0.62	0.18	0.85	0.00
ILMN_2773800	Mmp17	NM_011846.4	112.18	89.29	59.02	82.58	97.03	58.29	123.70	92.24	80.99	52.15	57.99	48.53	53.96	53.38	50.85	78.57	75.36	84.40	0.71	0.58	0.96	0.00
ILMN_3119954	Mysm1	NM_177239.2	413.91	478.94	512.75	416.38	447.90	430.17	630.51	673.44	672.57	445.43	518.44	433.94	434.37	519.83	473.49	702.55	700.19	690.53	0.29	0.00	0.80	0.00
ILMN_2837396	Zfp69	NM_001005788.2	156.55	157.44	165.92	154.24	137.11	152.45	231.05	225.14	225.74	114.98	126.87	150.13	141.34	140.15	147.26	270.52	263.55	209.16	0.12	0.00	0.31	0.01
ILMN_2551652	Ssb	AK088370	100.04	76.82	36.43	82.57	85.24	31.33	113.35	146.63	78.52	28.93	32.39	52.17	43.96	43.67	43.12	84.54	69.97	91.46	0.86	0.20	0.47	0.01
ILMN_1231006	Trp53	AK083750	20.00	35.95	50.95	23.55	32.55	37.63	33.36	46.60	65.98	41.88	31.92	50.11	41.60	44.42	44.36	56.66	75.50	65.83	0.68	0.37	0.71	0.03
ILMN_2827267	Zfp457	NM_001003666.2	270.56	233.41	126.08	222.57	289.29	97.35	343.53	361.62	146.44	81.12	90.58	110.70	116.57	97.30	133.18	151.63	132.48	157.32	0.93	0.42	0.19	0.01
ILMN_1229544	LOC100041569	XM_001476596.1	825.99	818.43	1008.77	769.65	718.42	969.16	1055.68	1208.12	1913.72	1113.93	882.84	1039.36	922.69	922.61	900.48	1813.62	1477.98	1638.02	0.54	0.13	0.23	0.01
ILMN_2953351	Ctdp1	NM_026295.2	144.88	167.40	97.27	144.63	182.16	70.26	194.22	304.25	168.62	97.91	94.23	130.75	112.13	123.59	141.50	152.57	201.26	237.41	0.92	0.14	0.28	0.03
ILMN_2790181	Phgdh	NM_016966.3	1057.02	1032.49	866.07	992.03	1012.49	737.51	1496.61	1530.68	1262.95	994.15	1386.20	1395.81	922.90	1240.74	1215.80	1650.82	2187.70	2429.23	0.54	0.01	0.47	0.04
ILMN_1227434	Itgb7	NM_013566.1	20.00	29.09	66.29	32.66	23.17	39.93	87.79	95.68	232.51	66.30	66.47	96.18	123.80	79.23	115.95	369.11	283.39	299.75	0.68	0.11	0.15	0.00
ILMN_2735157	Eif3s10	NM_010123.3	5516.65	5253.59	4220.13	5515.97	5723.44	3032.14	7283.66	8133.43	4815.50	3212.62	3900.33	4817.33	3950.79	4472.85	4725.14	5302.83	6484.66	7458.25	0.81	0.18	0.48	0.03
ILMN_2710484	Rufy3	NM_027530.2	24.73	33.94	26.30	28.61	23.60	25.58	43.42	40.26	30.83	21.71	28.96	27.05	22.14	26.71	36.08	67.56	40.15	49.94	0.50	0.11	0.63	0.03
ILMN_2996601	Suv420h1	NM_144871.2	199.18	182.12	153.01	183.04	179.48	132.08	269.31	261.24	246.47	133.96	181.14	152.43	175.84	158.59	159.45	292.90	290.78	278.53	0.57	0.01	0.59	0.00
ILMN_1246065	Gadd45b	NM_008655.1	448.88	463.43	181.79	432.61	450.50	151.53	1131.63	1186.05	448.52	200.52	198.98	234.80	233.66	213.31	293.18	572.56	443.84	609.32	0.89	0.09	0.26	0.00
ILMN_3163514	Orc1l	NM_011015.1	234.12	213.18	144.32	237.12	221.81	106.79	370.99	471.74	248.33	112.96	161.64	205.44	155.23	166.34	172.93	241.54	274.60	325.28	0.87	0.08	0.87	0.03
ILMN_2612683	Fbxo7	NM_153195.1	109.65	87.86	79.47	99.93	117.57	50.79	112.26	199.02	73.17	79.28	90.35	98.72	71.08	100.07	83.74	133.43	139.59	131.33	0.90	0.40	0.68	0.00
ILMN_3140071	Rtn4	NM_194054.1	1038.25	1064.70	519.40	1016.69	1077.15	407.95	1377.22	1303.85	520.72	497.34	809.15	830.23	528.43	751.50	782.52	1047.45	1026.97	1273.00	0.89	0.59	0.86	0.04
ILMN_1256991	Stk3	AK084333	24.01	21.28	32.22	21.38	20.00	29.88	24.73	47.92	45.43	31.78	20.00	23.71	21.92	25.48	40.11	58.46	37.58	46.00	0.67	0.17	0.57	0.03

ILMN_2769734	Stard3	NM_021547.2	310.77	313.92	420.63	296.59	310.57	344.98	452.95	493.93	689.57	391.33	342.32	412.89	420.78	366.62	425.41	571.42	575.42	600.54	0.47	0.07	0.48	0.00
ILMN_2733542	LOC100044862	XM_001473206.1	1229.77	1245.69	711.31	1190.85	1360.83	518.30	1648.17	2193.35	851.30	540.11	752.57	917.14	652.90	841.13	786.31	990.69	1255.96	1403.56	0.91	0.31	0.86	0.04
ILMN_1255991	Fgd3	AK051395	22.35	34.64	20.00	20.00	29.10	20.50	20.00	31.72	33.59	23.42	21.99	20.00	20.00	20.00	20.00	38.20	30.97	29.91	0.67	0.68	0.14	0.02
ILMN_1237719	Grasp	AK051199	48.18	37.68	25.75	23.78	34.10	44.40	35.08	42.84	26.65	29.26	36.37	34.17	27.54	25.54	35.84	53.78	62.20	56.09	0.74	0.78	0.39	0.00
ILMN_1254513	4930553M18Rik	NM_026541	177.98	171.70	74.08	180.93	208.82	46.13	195.62	232.38	53.60	72.20	123.82	121.94	90.15	127.54	174.08	173.28	151.86	212.61	0.95	0.78	0.45	0.04
ILMN_2600348	Sqle	NM_009270.3	469.94	390.11	521.13	378.41	372.50	521.58	492.17	630.09	856.20	524.99	420.95	412.30	453.38	408.98	401.62	825.61	825.01	729.45	0.59	0.15	0.47	0.00
ILMN_2945607	Zfp26	NM_011753.1	118.70	131.87	152.19	127.03	108.77	132.57	178.50	155.66	209.26	110.09	120.22	116.80	90.14	124.74	107.45	195.71	205.19	183.97	0.40	0.06	0.47	0.00
ILMN_2495051	4930518I15Rik		186.34	179.83	182.79	172.14	165.46	164.90	275.58	257.67	291.00	134.94	132.81	171.24	174.30	149.06	148.41	239.83	194.32	235.04	0.01	0.00	0.51	0.02
ILMN_2485774	scl0001371.1_19	BC024092.1	63.02	54.42	105.84	82.65	44.42	75.46	75.92	87.23	124.79	82.36	72.36	75.01	76.57	86.16	73.62	128.37	147.14	104.89	0.74	0.38	0.67	0.02
ILMN_1222451	Dst	NM_010081.1	216.56	218.14	223.23	183.07	196.23	223.85	258.48	318.13	415.03	246.42	226.51	221.02	238.66	218.82	244.08	389.65	371.30	367.45	0.21	0.07	0.83	0.00
ILMN_1249514	Large	NM_010687.1	1210.91	1064.43	944.72	1083.99	1023.82	836.03	1585.94	1540.96	1247.05	784.24	862.45	908.77	853.19	909.86	880.34	1478.66	1501.86	1568.87	0.44	0.04	0.50	0.00
ILMN_2751207	Fyn	NM_008054.1	20.00	20.00	47.08	20.00	20.00	35.87	20.00	31.02	74.99	31.80	24.90	20.00	34.93	20.35	20.00	50.67	45.03	52.26	0.74	0.53	0.94	0.00
ILMN_1216561	Camk2d	AK042722	20.00	20.00	26.30	20.00	20.00	20.00	43.29	46.66	95.74	20.00	28.71	20.00	22.07	21.25	20.00	71.31	52.32	66.44	0.37	0.08	0.58	0.00
ILMN_1240123	Dclre1c	NM_146114.2	20.00	20.00	30.94	23.48	20.00	20.00	28.37	31.96	64.56	38.16	20.00	20.00	20.00	20.00	27.75	57.94	51.51	49.58	0.55	0.21	0.63	0.01
ILMN_2679815	Pkn2	NM_178654.3	158.44	151.57	130.00	140.48	163.13	103.09	179.47	200.72	151.48	121.37	130.19	134.90	137.13	131.72	146.15	197.72	191.39	209.71	0.60	0.14	0.18	0.00
ILMN_2770386	Fhl2	NM_010212.3	443.45	499.71	389.24	469.22	407.42	340.41	666.88	593.56	601.60	412.70	376.65	383.12	316.44	338.18	371.17	631.19	671.84	589.76	0.48	0.01	0.07	0.00
ILMN_2702434	AU040829	NM_175003.3	273.76	274.86	347.41	256.36	214.22	358.54	348.87	371.63	582.28	369.56	320.62	333.26	357.42	354.72	307.60	685.38	520.78	566.91	0.67	0.16	0.96	0.01
ILMN_2841289	Tnfaip2	NM_009396.1	921.47	948.07	1099.47	911.66	887.84	891.25	1104.38	1148.37	1488.61	1067.67	1209.57	1103.08	1371.12	1402.81	1332.64	1872.22	1989.29	1797.08	0.17	0.13	0.01	0.00
ILMN_1230327	LOC383099	XM_356873.1	8105.35	8346.32	5397.91	7897.87	7853.67	4420.54	13883.11	15730.45	9106.56	6274.12	9804.82	10143.95	6804.36	9377.00	8805.72	13454.15	15294.87	15237.96	0.73	0.06	0.79	0.01
ILMN_2480382	2900056M20Rik	XM_898625.2	44.83	52.56	20.00	41.17	42.97	20.00	101.95	90.84	20.00	20.00	20.00	23.95	20.00	20.00	39.41	50.24	29.95	57.91	0.74	0.31	0.48	0.04
ILMN_3145782	Zfp97	NM_011765.4	1910.57	1858.15	1268.10	1843.83	1926.84	949.96	2600.10	2670.15	2047.20	920.38	1098.76	1319.28	1146.22	1191.16	1260.87	1810.86	1774.79	1950.86	0.79	0.06	0.51	0.00
ILMN_2621021	Ptpn14	NM_008976.2	279.24	268.20	335.15	226.36	271.51	305.90	358.58	346.06	558.58	347.56	262.02	278.59	338.38	263.78	288.21	560.94	555.34	486.79	0.44	0.15	0.98	0.00
ILMN_2978009	N4bp2	NM_001024917.1	115.76	97.19	82.32	89.86	89.35	86.30	117.88	133.49	118.92	82.43	86.33	73.14	93.47	104.42	90.19	137.05	134.87	125.11	0.37	0.08	0.06	0.00
ILMN_1228349	Itsn2	NM_011365.2	338.24	276.98	296.25	296.43	281.57	248.46	368.11	403.14	413.42	290.33	254.94	279.11	286.62	254.74	294.43	452.82	410.81	389.21	0.29	0.02	0.82	0.00
ILMN_2831141	D230037D09Rik	NM_177140.2	298.95	275.68	89.31	307.70	333.65	53.56	390.73	520.92	117.30	50.64	87.12	111.73	79.81	98.70	129.30	198.88	161.61	304.72	0.93	0.42	0.44	0.04
ILMN_2464955	1110033C18Rik	NM_133964	30.13	21.12	27.83	20.00	23.51	28.11	31.45	24.76	54.28	21.08	25.60	24.45	39.53	27.99	32.06	31.25	46.67	34.28	0.53	0.32	0.06	0.05
ILMN_1213354	Asxl2	NM_172421.3	81.34	37.02	33.07	46.25	72.40	22.19	101.90	113.91	21.32	23.66	36.22	25.71	26.39	47.31	41.23	58.22	67.06	87.98	0.88	0.43	0.25	0.01
ILMN_1234796	Hsd17b12	AK076088	96.44	110.54	100.62	92.50	96.21	89.93	122.82	132.68	174.91	116.15	72.41	85.27	96.07	86.78	78.30	126.40	142.90	157.61	0.10	0.07	0.78	0.03
ILMN_1239783	LOC381243	XM_355185.1	20.00	20.00	26.84	20.00	20.00	20.00	26.15	23.71	35.20	26.16	22.08	20.93	27.97	21.48	26.85	42.86	51.34	47.41	0.37	0.22	0.40	0.00
ILMN_2687062	Abr	NM_198894.1	505.93	390.36	369.43	472.60	426.27	269.23	740.14	716.55	412.16	317.74	441.77	413.93	331.47	492.71	489.67	641.52	724.27	723.88	0.69	0.15	0.51	0.00
ILMN_2846775	Cdkn1a	NM_007669.2	620.82	768.14	474.76	671.69	670.88	373.06	1330.51	1384.10	659.89	363.11	633.78	631.40	440.91	672.26	632.68	899.38	1358.56	1302.87	0.72	0.11	0.75	0.02
ILMN_2667784	Mospd1	XM_135859.1	322.41	259.55	247.22	260.61	279.65	210.76	375.44	353.49	310.69	246.46	296.42	278.50	293.71	316.99	277.64	389.61	466.40	420.02	0.45	0.08	0.30	0.00
ILMN_1255301	2410042D21Rik	NM_024254.3	356.98	410.37	393.25	347.18	372.29	330.50	480.20	582.82	540.84	370.59	344.82	319.50	423.88	369.45	336.73	639.49	576.59	573.57	0.14	0.01	0.34	0.00
ILMN_2767322	A030012M09Rik	NM_183028.1	127.67	99.32	96.83	131.65	115.55	59.80	183.00	184.66	123.61	85.15	93.54	91.71	83.42	93.67	113.81	124.96	142.62	166.69	0.83	0.07	0.50	0.01
ILMN_1254987	Mbnl2	NM_175341.4	3761.93	3610.85	1625.32	3648.77	3672.97	1219.73	6232.75	6692.18	2389.57	1448.20	1975.51	1947.77	1461.08	1851.61	2017.78	3110.25	3788.54	4289.78	0.89	0.24	0.96	0.01
ILMN_2538152	LOC386094	XM_359067.1	335.40	333.75	156.05	374.32	333.17	103.66	390.20	649.37	134.57	108.12	123.44	183.88	127.81	164.97	139.28	222.79	240.60	263.90	0.97	0.51	0.84	0.02
ILMN_1233408	Zfp142	NM_029888.2	20.00	20.00	27.06	20.00	20.00	20.00	33.58	60.40	39.99	21.51	33.49	26.11	20.00	42.79	29.75	68.24	63.45	53.25	0.37	0.06	0.64	0.00
ILMN_2759943	Ptpn12	NM_011203.2	126.99	132.42	120.74	137.53	132.26	82.48	144.86	178.85	148.99	102.59	112.69	92.39	133.87	111.46	112.03	251.95	200.56	179.68	0.63	0.05	0.15	0.01
ILMN_2673889	Mcm7	NM_008568.1	680.72	715.64	858.17	628.35	666.93	735.91	924.53	940.67	1157.18	735.59	842.62	805.29	732.68	865.58	745.02	1162.79	1302.67	1234.06	0.30	0.05	0.81	0.00
ILMN_1217927	Qtrt1	NM_021888.1	571.00	686.40	519.40	585.75	587.05	435.49	812.85	807.87	639.03	451.48	546.29	598.37	498.74	562.60	561.49	800.38	754.97	895.21	0.47	0.10	0.86	0.01
ILMN_1260033	Map1lc3b	NM_026160.3	1264.59	1136.17	486.18	1257.74	1232.84	331.29	2003.44	2835.75	698.93	288.99	738.54	714.67	463.45	744.11	828.12	1084.22	1269.15	1939.13	0.96	0.26	0.62	0.05
ILMN_1258029	Wdr81	XM_911699.3	29.67	42.84	26.43	28.42	20.00	43.27	64.20	135.49	68.29	35.81	38.64	37.54	25.58	46.07	38.40	81.09	114.32	135.33	0.79	0.08	0.92	0.01
ILMN_2622345	Dyrk1a	NM_007890.1	277.16	241.34	131.78	233.28	264.36	104.51	391.28	401.55	179.52	81.11	136.16	136.54	82.32	127.03	163.80	230.42	268.48	290.94	0.82	0.27	0.84	0.00
ILMN_3160581	Pawr	NM_054056.2	22.33	29.88	65.66	20.00	28.46	56.15	51.69	49.89	96.62	91.56	63.77	44.58	66.83	73.26	44.08	120.34	143.83	110.68	0.81	0.26	0.76	0.03
ILMN_2726808	4930553M18Rik	NM_026541	1613.29	1586.42	860.59	1546.71	1572.36	660.38	2397.47	3306.52	1779.21	709.92	884.13	1058.77	853.01	884.66	1092.74	1854.71	1782.71	2340.91	0.82	0.09	0.66	0.01
ILMN_2746597	Fbxo42	NM_172518.2	124.22	149.64	60.47	149.70	142.66	38.28	183.80	237.91	80.03	75.49	68.38	81.82	77.42	71.05	117.87	112.08	108.80	160.85	0.98	0.35	0.42	0.04
ILMN_2464003	9130215G10Rik		137.35	157.15	143.01	172.75	149.01	87.08	201.49	236.38	210.52	123.41	101.32	124.58	134.39	102.00	121.03	198.60	183.83	202.93	0.73	0.00	0.83	0.00
ILMN_2719431	1500031H01Rik	XM_622593.3	28.15	20.00	20.00	20.00	20.41	20.00	36.75	45.19	28.20	20.00	20.00	20.00	20.00	20.00	25.46	33.61	47.71	39.75	0.40	0.07	0.37	0.01
ILMN_2433676	2700055A20Rik	NM_027314	108.39	115.00	83.10	115.62	94.87	68.46	113.26	136.73	109.67	64.68	51.87	82.12	81.85	80.13	98.24	114.83	90.42	99.22	0.61	0.24	0.12	0.04
ILMN_2572969	Akap10	AK051044	20.00	20.00	28.27	20.00	20.00	20.46	21.09	36.11	77.50	20.00	32.87	20.00	24.14	30.06	29.54	46.37	48.80	42.22	0.40	0.26	0.48	0.01
ILMN_2694633	1700023B02Rik	NM_025854.1	226.77	244.77	69.76	211.86	229.85	57.20	397.80	406.79	118.98	67.92	88.43	100.89	78.69	115.72	155.83	205.34	160.06	243.31	0.87	0.31	0.27	0.01
ILMN_1238174	4833409N03Rik		80.47	70.75	65.58	89.54	75.91	39.51	120.32	105.22	81.45	41.88	67.33	63.24	52.45	59.98	50.88	85.89	101.76	110.83	0.81	0.07	0.73	0.02
ILMN_1236935	Rbl1	AK012418	51.08	40.74	25.35	40.80	44.25	20.97	53.76	58.26	26.64	20.00	34.74	29.29	29.30	36.12	39.29	60.11	49.43	57.29	0.74	0.59	0.26	0.01
ILMN_2657734	Ddx46	NM_145975.1	463.13	408.29	398.29	381.93	390.75	361.77	500.96	475.98	417.30	309.81	487.86	416.39	359.56	403.09	437.46	638.45	616.47	542.93	0.11	0.26	0.94	0.03
ILMN_2438212	LOC100040573	XM_001475112.1	2785.26	2526.31	2436.65	2583.80	2581.46	1839.10	3471.64	4351.96	3151.99	2310.90	2408.92	2300.22	2121.98	2606.22	2542.30	4142.99	4138.07	4486.94	0.41	0.05	0.62	0.00
ILMN_1217480	LOC100046080	XM_001475418.1	105.73	92.07	116.26	95.63	109.06	77.45	91.63	94.81	111.71	62.83	86.27	98.60	76.44	86.29	89.78	132.98	123.18	130.17	0.41	0.60	0.89	0.01
ILMN_2777175	2310004N11Rik	NM_028800	241.68	263.28	259.90	228.44	238.10	216.89	322.51	375.19	345.99	209.73	271.22	224.32	253.68	243.44	276.56	398.70	463.40	457.59	0.04	0.01	0.34	0.00
ILMN_2651706	Dtx4	NM_172442.2	54.35	50.06	77.45	53.88	55.52	50.18	64.81	62.87	121.15	55.57	50.01	63.65	82.46	61.16	54.11	97.63	90.62	90.59	0.44	0.35	0.37	0.00
ILMN_2552030	4921505C17Rik	AK019537	230.79	246.98	99.62	201.65	243.47	82.28	425.59	409.62	173.73	131.51	135.40	167.07	126.36	134.25	144.11	256.27	221.21	291.45	0.82	0.20	0.47	0.01
ILMN_2650040	Foxj3	NM_172699.2	2178.38	1848.87	1225.02	1987.63	1954.10	895.87	3512.03	3443.40	2055.12	953.89	1296.42	1574.56	1207.98	1203.64	1460.42	2228.58	2328.40	3094.91	0.78	0.09	0.94	0.02
ILMN_2714138	Tasp1	NM_175225.3	403.24	464.38	235.87	416.69	477.70	156.24	576.48	545.56	238.13	184.00	198.86	226.62	233.51	204.68	271.07	312.77	276.30	329.36	0.89	0.54	0.22	0.01
ILMN_1240429	Ttc17	NM_183106.2	23.25	33.19	26.34	28.17	25.39	20.00	59.90	38.72	31.45	20.00	31.20	20.74	20.00	32.21	34.69	58.32	51.43	45.51	0.46	0.16	0.44	0.01
ILMN_2947031	Arfrp1	NM_029702.2	89.19	112.06	71.33	106.25	96.94	48.61	121.66	143.92	84.73	78.68	72.33	66.23	53.55	70.56	74.00	127.13	96.58	114.79	0.76	0.28	0.43	0.01
ILMN_2754220	Tor1aip2	NM_172843.2	1056.11	985.83	425.35	1023.61	1082.19	279.91	1811.91	1695.71	613.63	435.44	625.71	596.15	426.55	621.47	739.16	857.15	1035.36	1361.48	0.94	0.27	0.71	0.03
ILMN_2604494	Podxl	NM_013723.2	48.86	78.39	24.80	43.09	61.06	25.23	70.84	49.35	40.36	34.65	46.30	39.84	58.26	66.91	45.05	78.35	108.72	99.57	0.71	0.88	0.08	0.00
ILMN_2476568	Zxdb	NM_001081473.1	112.26	127.03	28.62	111.32	127.88	20.00	202.41	191.38	64.77	36.13	21.82	41.31	28.33	32.37	45.08	81.11	56.22	85.84	0.95	0.30	0.79	0.02
ILMN_2709700	Zgpat	NM_144894.3	33.92	43.67	30.97	36.40	43.93	20.00	47.99	41.93	30.10	20.92	30.18	25.11	21.59	31.63	38.56	33.48	43.06	48.84	0.75	0.59	0.41	0.03
ILMN_2750669	Rngtt	NM_011884.2	97.30	76.88	121.32	100.89	70.37	89.01	120.68	108.82	124.04	121.43	88.27	101.76	83.09	99.71	101.49	187.61	140.17	158.25	0.49	0.23	0.47	0.03
ILMN_1254898	9830004G04Rik	AK036390	113.63	111.58	53.93	107.24	115.22	38.30	122.68	141.12	86.27	37.92	45.31	62.06	87.38	65.92	67.89	93.78	86.41	95.03	0.85	0.40	0.06	0.00
ILMN_2602387	Nr1d2	NM_011584.3	131.44	153.15	30.76	123.87	172.73	20.00	391.25	531.87	74.54	22.39	28.88	50.86	29.44	24.68	59.90	131.32	82.00	177.01	0.99	0.18	0.79	0.03
ILMN_1224207	Rtkn2	NM_001081346.1	21.62	21.06	30.24	23.24	20.00	20.47	26.75	33.63	28.36	31.24	36.14	22.34	21.44	22.78	41.43	70.06	46.34	50.97	0.38	0.22	0.87	0.04
ILMN_1216547	2410131K14Rik	NM_001081236.1	69.11	45.61	74.21	38.69	46.31	89.97	79.10	64.79	157.84	72.99	60.81	65.49	47.57	63.00	65.33	135.03	147.92	146.56	0.81	0.28	0.30	0.00
ILMN_1244953	MALT-1	AK045200	69.97	60.13	66.81	65.81	53.16	55.33	93.34	93.72	74.81	49.53	50.60	55.79	56.00	68.05	61.26	72.37	76.10	87.22	0.20	0.03	0.07	0.01
ILMN_1232537	Arl4c	NM_177305.3	337.10	320.95	241.71	349.48	290.04	177.40	388.27	458.30	315.50	240.39	306.69	308.30	359.09	354.61	348.51	441.72	534.17	496.68	0.66	0.16	0.04	0.00
ILMN_1247220	LOC100047200	XM_001477632.1	418.26	366.05	342.99	360.01	384.37	260.27	598.19	533.34	475.74	308.77	432.05	363.98	442.80	435.45	506.36	625.40	597.28	576.03	0.41	0.02	0.09	0.00
ILMN_1242021	Dhx34	NM_027883.3	73.05	49.02	50.79	64.59	52.27	36.95	74.87	83.52	59.34	33.62	61.94	62.60	62.77	69.07	52.37	95.99	90.31	99.00	0.60	0.23	0.46	0.01
ILMN_2670398	Eif4ebp1	NM_007918.3	5046.32	4861.31	3460.19	5000.09	4155.83	2777.12	8693.18	9721.00	4582.27	3084.89	5310.27	4880.03	3887.70	5111.83	4571.13	7204.12	8326.71	9320.03	0.59	0.12	0.90	0.01
ILMN_2727309	LOC100044204	XM_001471696.1	31.72	25.41	55.79	32.97	21.40	43.31	73.37	62.55	153.26	20.00	28.92	25.47	32.86	35.48	39.96	71.55	66.96	63.27	0.67	0.12	0.03	0.00
ILMN_2854418	Fnip1	NM_173753.3	1209.46	1294.38	836.41	1327.02	1384.27	484.27	3174.64	3884.22	1285.73	634.83	860.96	888.39	671.40	837.66	842.21	1750.73	1917.79	2282.02	0.89	0.10	0.92	0.00
ILMN_2514776	Trim33	NM_053170.2	326.96	334.09	106.52	309.12	273.77	93.40	512.46	503.20	140.11	117.41	170.76	192.97	156.70	150.60	215.44	233.78	265.11	344.49	0.78	0.42	0.67	0.04
ILMN_1214416	Zfp143	NM_009281.3	407.16	348.41	266.71	361.18	378.41	188.01	604.00	567.92	349.40	190.97	278.81	292.34	235.90	302.28	308.57	454.05	466.53	449.01	0.69	0.14	0.51	0.00
ILMN_1252851	2810405K07Rik	NM_028141	105.24	106.60	37.82	108.47	108.09	24.45	160.03	180.23	81.61	58.43	47.30	59.56	55.04	49.46	84.32	90.84	95.94	108.13	0.94	0.20	0.53	0.00
ILMN_2630739	Phf20l1	XM_989935.1	529.28	521.02	258.53	530.22	504.24	179.92	960.61	1093.50	391.35	182.47	281.11	326.94	282.22	303.63	323.66	520.11	509.26	739.97	0.84	0.18	0.42	0.02
ILMN_3068452	Msh3	NM_010829.2	86.58	107.14	70.27	73.17	93.31	64.40	121.98	149.74	116.96	53.72	74.16	65.71	75.26	64.75	72.89	107.55	120.72	148.48	0.46	0.05	0.39	0.01
ILMN_2777798	EG667723	XM_001001948.1	89.86	86.71	54.25	74.00	89.74	42.81	119.68	207.15	99.83	50.67	49.73	59.28	47.66	48.09	62.37	121.37	106.36	170.33	0.67	0.13	0.93	0.02
ILMN_1237918	LOC386123	XM_359079.1	503.60	510.35	216.28	405.97	509.45	180.39	641.38	699.97	333.76	214.10	262.03	275.77	265.20	238.50	299.57	377.66	323.96	475.80	0.76	0.38	0.54	0.04
ILMN_3023230	Jmjd3	NM_001017426.1	519.03	468.94	344.16	459.90	396.88	306.77	749.76	916.08	513.59	322.91	370.39	333.59	295.34	316.05	324.94	569.57	673.78	603.69	0.46	0.09	0.15	0.00
ILMN_2721221	Pcnt	NM_008787.3	137.47	112.29	176.35	124.39	85.84	169.72	166.78	182.28	267.73	163.38	140.88	142.41	187.75	147.47	146.52	248.69	237.83	217.55	0.64	0.16	0.49	0.00
ILMN_2753323	Eif4b	NM_145625.1	421.93	417.51	295.74	343.50	283.71	355.57	365.13	378.47	350.10	289.47	366.86	372.83	374.05	442.92	360.19	496.79	540.69	522.15	0.34	0.76	0.25	0.00
ILMN_1221157	Krt8	NM_031170.2	434.50	488.74	373.06	446.32	452.29	260.54	723.33	830.73	473.04	241.91	440.05	437.54	307.08	376.17	428.04	629.33	909.95	1041.19	0.56	0.09	0.97	0.02
ILMN_2713231	Ssh2	NM_177710.3	30.71	23.13	20.00	20.00	23.57	20.00	37.22	28.91	38.34	20.00	22.25	27.13	33.19	21.62	21.87	42.49	42.41	36.36	0.37	0.08	0.61	0.00
ILMN_2560602	Centd1	XM_001001363.1	20.00	30.16	20.00	20.00	20.00	20.00	24.57	33.01	24.14	20.00	20.00	20.00	20.00	26.82	20.00	30.99	36.71	32.17	0.37	0.44	0.37	0.00
ILMN_1220793	Rbm4b	NM_025717.3	568.89	566.80	547.86	505.32	513.92	451.01	771.58	781.54	706.50	535.25	488.64	447.89	527.76	466.09	474.40	788.12	805.74	745.06	0.03	0.00	0.97	0.00
ILMN_2737163	Sqle	NM_009270.3	1818.78	1825.13	1795.26	1640.23	1838.51	1305.50	2119.62	2772.68	2849.08	1798.68	1648.81	1721.03	1818.53	1704.45	1803.11	2783.93	2767.03	2759.45	0.23	0.03	0.40	0.00
ILMN_1221371	A630007M06Rik	AK041411	31.42	49.00	34.13	42.65	37.83	21.49	54.39	56.08	39.13	31.28	22.83	27.42	20.00	22.94	30.24	41.99	36.79	44.89	0.64	0.20	0.52	0.01
ILMN_2671671	Snx8	NM_172277.2	2091.03	1812.96	1408.14	1906.93	1859.94	991.09	3127.04	3903.73	1847.87	1408.02	2046.68	1813.05	1444.98	1694.77	1875.12	2476.62	3074.68	3763.24	0.63	0.13	0.73	0.03
ILMN_1242689	LOC236371	XM_135639.2	417.32	414.98	401.54	421.97	423.56	255.05	587.16	572.27	542.62	417.44	458.84	479.44	354.41	469.47	490.05	682.48	772.21	625.93	0.47	0.00	0.78	0.01
ILMN_3041839	Pdhb	NM_024221.3	1286.03	1321.16	910.79	1147.45	1382.59	635.10	1736.47	2216.52	1143.94	870.07	1222.39	1066.29	882.58	1254.52	1205.24	1560.39	1619.19	1849.90	0.67	0.19	0.71	0.01
ILMN_1223544	Copz1	AK079205	97.14	89.49	92.14	103.17	81.45	61.94	130.92	117.56	91.36	54.87	81.98	71.37	79.11	92.21	92.66	107.35	114.31	130.01	0.43	0.16	0.11	0.01
ILMN_1242905	Ddx31	NM_001033294.2	72.72	73.63	78.40	77.86	52.65	66.43	94.01	96.40	71.48	88.19	86.11	83.09	64.88	90.95	84.92	138.87	157.12	109.56	0.28	0.20	0.53	0.02
ILMN_2697790	Fgfr1op	NM_201230.4	365.80	324.13	291.90	306.62	324.89	224.68	459.55	503.53	413.05	259.79	280.93	308.84	313.64	298.51	325.32	410.76	434.46	438.81	0.33	0.02	0.14	0.00
ILMN_2430502	scl000179.1_19	BC068122.1	90.54	90.24	66.01	79.59	71.62	61.10	126.70	167.55	98.10	78.98	89.44	86.42	82.13	92.19	90.04	133.99	124.22	155.75	0.30	0.09	0.51	0.01
ILMN_3044195	Camk2d	NM_001025438.1	62.26	65.65	24.22	36.76	54.44	31.91	116.12	136.71	71.86	22.26	51.23	49.03	37.83	37.51	51.38	113.89	99.21	84.06	0.55	0.07	0.90	0.01
ILMN_2989480	Dsn1	NM_025853.1	455.42	488.03	242.28	449.42	480.12	160.77	709.32	784.21	221.23	209.71	328.06	380.37	273.09	343.38	361.57	483.79	502.10	555.63	0.82	0.41	0.74	0.02
ILMN_1218026	6330407J23Rik	NM_026138.2	112.06	97.06	62.73	90.38	99.49	48.87	116.23	128.03	63.37	65.74	43.84	59.68	57.59	54.24	69.76	117.81	100.11	120.65	0.63	0.65	0.64	0.00
ILMN_2620381	P2rx7	NM_001038845.2	66.87	26.24	55.15	28.68	37.89	57.20	41.53	63.16	84.42	51.17	34.99	51.38	37.95	43.11	47.31	103.51	80.59	68.61	0.61	0.47	0.64	0.03
ILMN_2531520	Gm962	NM_001033448.2	75.12	64.31	81.70	53.69	61.04	77.13	65.58	71.23	142.03	76.41	73.85	73.01	94.72	91.88	81.62	116.58	119.32	108.85	0.32	0.49	0.02	0.00
ILMN_1225769	Clasp1	XM_922009.2	119.36	113.12	128.16	97.23	79.69	142.64	170.60	187.87	279.27	132.48	90.19	131.65	114.60	116.64	124.27	263.52	209.28	212.25	0.52	0.05	0.98	0.01
ILMN_1256354	Gclm	NM_008129.3	1086.43	1103.56	1143.51	1033.61	1034.18	812.54	1427.90	1530.59	1595.04	1160.02	1138.66	1236.08	1552.23	1361.89	1532.57	2086.32	2323.56	2365.51	0.12	0.00	0.01	0.00
ILMN_1239263	Ercc6	XM_899129.2	22.67	22.84	24.52	20.00	20.00	20.00	20.00	29.46	42.97	20.00	32.22	20.89	20.00	21.71	20.00	34.05	36.72	38.12	0.00	0.33	0.39	0.04
ILMN_1248898	A830092P18Rik	AK044129	62.72	83.12	76.62	78.12	84.46	38.14	107.38	143.82	91.84	73.10	51.50	49.64	53.80	52.85	52.57	91.46	87.58	109.32	0.67	0.07	0.54	0.02
ILMN_2826278	OTTMUSG000000	NM_001045532.1	23.80	38.63	20.00	21.89	26.41	20.00	119.81	185.66	52.39	20.00	20.00	26.09	20.00	26.65	20.00	68.79	77.28	140.83	0.48	0.08	0.95	0.03
ILMN_2686994	Jmjd2c	NM_144787.1	374.94	328.72	205.12	310.60	315.08	162.39	478.33	467.01	394.65	219.02	233.63	206.00	193.38	194.94	230.58	281.02	347.42	427.65	0.60	0.07	0.41	0.04
ILMN_2480957	Nrp2	NM_001077404.1	243.96	231.29	66.46	179.45	228.81	57.37	465.89	496.40	189.11	92.89	128.79	150.19	83.48	130.83	172.23	270.58	317.87	446.04	0.76	0.15	0.88	0.02
ILMN_2654442	Kbtbd2	NM_145958.1	924.48	732.18	819.59	766.77	744.92	610.11	1097.08	1122.75	1071.56	683.31	885.56	825.37	659.33	851.27	742.43	1236.93	1247.83	1217.27	0.19	0.01	0.60	0.00
ILMN_2488806	5430417C01Rik		23.42	24.57	26.65	20.00	24.04	20.00	32.67	27.73	20.00	20.00	20.00	20.78	20.42	25.05	20.31	41.12	37.96	33.45	0.10	0.64	0.35	0.00
ILMN_2741861	E330005K07Rik	NM_177211.1	42.10	20.00	20.00	26.37	20.00	20.00	22.02	30.42	54.83	20.00	20.47	20.00	20.00	20.51	20.00	40.99	40.96	34.92	0.53	0.53	0.96	0.00
ILMN_1258996	Mtmr14	NM_026849.1	669.08	654.09	388.21	611.53	591.57	293.92	778.66	878.71	375.86	277.27	386.12	421.92	293.23	411.96	507.23	562.48	504.58	617.01	0.63	0.58	0.61	0.02
ILMN_2614161	Lss	NM_146006.1	338.53	331.71	431.68	290.63	297.52	350.75	394.58	493.25	603.31	327.14	330.64	378.71	333.48	329.03	344.69	645.78	613.39	577.02	0.22	0.13	0.60	0.00
ILMN_1249744	D030049N18Rik	AK050983	73.18	55.53	48.06	55.35	49.87	44.07	63.59	84.73	85.56	57.22	48.59	66.58	56.68	74.97	67.67	93.79	90.88	108.20	0.32	0.14	0.29	0.01
ILMN_1217611	LOC381873	XM_355885.1	86.74	74.73	42.74	88.02	84.01	23.29	178.21	206.59	84.20	42.14	57.69	58.74	49.66	44.23	58.24	134.53	121.31	188.56	0.91	0.09	0.77	0.01
ILMN_1246372	C730037B14Rik	AK050319	101.39	88.81	40.26	88.07	72.53	35.29	119.27	136.80	52.15	60.33	47.11	62.82	60.37	54.62	65.88	71.40	100.19	106.30	0.66	0.46	0.58	0.04
ILMN_2823778	Sc4mol	NM_025436.1	682.17	649.52	512.40	644.99	618.63	353.49	923.15	1046.78	554.50	483.02	538.12	492.71	468.03	491.35	510.55	885.84	846.76	903.04	0.52	0.22	0.52	0.00
ILMN_1231072	A630082K20Rik	XM_145254	484.45	297.87	138.35	291.15	393.26	107.71	521.29	515.58	245.46	95.06	102.07	139.96	102.76	115.58	181.88	230.89	187.48	230.54	0.76	0.42	0.50	0.01
ILMN_1220889	Nbr1	NM_008676.1	130.71	166.12	159.30	131.43	137.59	117.96	176.37	190.46	183.68	135.62	131.75	125.87	147.82	130.67	141.73	195.50	202.96	196.29	0.13	0.05	0.19	0.00
ILMN_2976129	Tinagl	NM_023476.1	143.40	134.55	194.61	128.44	116.29	154.22	213.71	209.62	277.43	211.64	259.72	230.34	201.20	204.60	227.17	331.88	381.47	391.03	0.32	0.06	0.23	0.00
ILMN_1247196	Acox1	NM_015729.2	24.02	20.00	29.54	20.00	21.70	20.00	26.84	27.43	46.17	20.00	28.50	35.43	35.25	27.99	26.00	52.48	38.69	45.19	0.23	0.27	0.75	0.04
ILMN_1221592	Sec11c	NM_025468.2	1130.98	1147.58	438.54	1042.96	1169.91	283.27	1144.72	1092.50	415.74	387.17	454.45	550.75	482.62	536.60	669.56	688.82	593.28	817.93	0.85	0.95	0.25	0.04
ILMN_1224619	St3gal1	NM_009177.4	83.36	48.78	37.99	61.41	49.04	31.12	114.58	101.66	49.12	44.83	57.26	48.15	20.00	44.33	45.27	100.66	90.39	105.23	0.59	0.26	0.21	0.00
ILMN_2715328	Rasa2	NM_053268.2	219.59	205.80	172.67	206.27	189.03	120.43	286.18	348.94	241.87	101.77	168.01	163.57	131.60	187.62	196.61	272.28	281.91	306.86	0.41	0.05	0.40	0.00
ILMN_2730516	Herpud2	NM_020586.1	47.89	55.19	68.55	50.25	48.30	44.80	118.56	109.98	69.97	59.22	66.70	62.31	56.93	76.65	77.79	118.82	112.24	114.78	0.21	0.06	0.34	0.00
ILMN_1233363	Nat10	NM_153126.2	34.20	38.25	47.43	24.02	45.21	34.27	35.80	66.72	80.01	53.28	30.63	48.61	62.51	32.66	44.43	70.41	60.59	68.56	0.49	0.20	0.84	0.04
ILMN_3116570	Pdhb	NM_024221.3	959.18	883.28	441.20	994.21	920.70	243.95	1241.35	1478.36	408.34	218.33	491.93	526.69	401.57	536.47	572.42	744.98	653.66	907.18	0.89	0.48	0.46	0.04
ILMN_2835384	Kif26b	NM_177757.3	565.60	542.33	454.29	439.07	557.74	338.77	714.06	739.86	528.86	319.69	388.76	426.96	488.63	474.38	482.38	474.45	644.21	611.08	0.35	0.13	0.03	0.03
ILMN_2686047	Klhl2	NM_178633.2	171.14	165.42	54.91	163.25	187.30	30.00	178.13	238.85	63.29	42.54	49.88	59.46	55.40	56.01	109.05	79.29	79.40	107.18	0.96	0.67	0.28	0.02
ILMN_1232608	Stam2	NM_019667.2	46.44	61.97	20.00	46.12	36.71	20.00	57.46	71.21	23.70	20.00	20.00	20.00	20.00	21.66	34.83	32.94	31.61	46.87	0.59	0.69	0.31	0.02
ILMN_1216600	Shb	XM_001474892.1	315.80	228.43	59.34	275.45	287.94	31.70	598.69	640.86	137.87	71.61	82.28	114.78	63.71	64.40	112.09	262.75	203.53	381.70	0.98	0.22	0.67	0.02
ILMN_1230080	S100a7a	NM_199422.1	42.96	39.68	43.00	41.58	30.16	34.10	35.62	30.86	76.53	35.05	28.76	34.32	26.77	32.95	34.26	61.27	68.35	65.83	0.13	0.71	0.67	0.00
ILMN_2766338	Rbbp5	NM_172517.1	57.06	81.71	37.75	55.89	54.61	33.63	83.23	98.98	55.09	39.24	44.46	41.60	38.28	24.46	31.41	75.82	57.28	65.14	0.50	0.33	0.07	0.01
ILMN_1227805	Stxbp5	NM_001081344.1	446.88	378.77	224.35	360.13	339.75	180.86	803.10	728.73	421.59	234.26	316.78	340.28	198.37	301.68	278.96	493.21	628.13	665.49	0.55	0.09	0.45	0.01

ILMN_2787209	Nfe2l3	NM_010903.1	63.46	62.70	32.96	66.00	56.93	20.25	114.11	106.14	40.36	20.00	36.25	38.97	28.55	40.57	37.77	77.04	66.67	79.62	0.77	0.25	0.61	0.00
ILMN_2801520	Fzd3	NM_021458.1	34.26	20.00	54.20	21.29	20.00	50.42	38.00	55.34	83.30	47.50	33.70	29.64	29.69	53.48	31.58	66.32	55.00	57.98	0.71	0.24	0.90	0.02
ILMN_1229882	Mdm2	NM_010786.3	51.03	34.62	20.00	27.80	36.51	20.00	125.73	171.60	20.00	20.00	20.00	24.91	20.00	20.00	26.98	58.17	50.85	82.76	0.52	0.20	0.82	0.01
ILMN_2729171	Foxj3	NM_172699.2	42.19	41.86	61.17	27.47	59.22	37.97	57.26	51.84	87.39	52.58	54.38	54.53	45.63	54.18	49.08	73.45	90.34	79.81	0.58	0.25	0.18	0.01
ILMN_1233812	3110050L10Rik	AK014201	65.74	66.37	54.99	59.18	70.85	32.53	81.23	105.42	70.65	38.21	38.00	53.51	46.34	47.71	62.48	59.00	64.15	81.51	0.53	0.10	0.29	0.04
ILMN_1246115	A730089E01Rik	AK043369	68.40	62.18	94.21	65.28	51.74	67.42	51.86	63.83	77.72	44.48	62.13	73.47	59.60	60.19	59.66	92.05	107.93	84.35	0.29	0.44	0.98	0.03
ILMN_2697057	LOC100047603	XM_001479162.1	233.94	260.65	174.93	230.96	245.94	106.55	317.34	422.27	213.62	126.13	181.08	183.69	167.63	164.28	191.85	284.10	257.46	323.96	0.60	0.22	0.62	0.01
ILMN_2550952	Ik	AK088908	111.42	113.94	60.03	71.36	152.13	39.83	167.94	202.15	106.54	68.54	57.91	60.04	68.34	62.49	86.35	100.83	121.28	116.33	0.86	0.13	0.26	0.00
ILMN_2828877	Met	NM_008591.1	96.33	80.78	116.05	66.16	89.50	86.13	106.81	111.53	128.43	53.06	80.51	71.98	58.30	106.76	84.52	151.89	134.78	129.89	0.24	0.21	0.42	0.00
ILMN_2591651	A330080J22Rik	NM_178667	194.30	198.60	151.02	185.23	182.83	97.14	274.79	202.05	223.70	134.92	166.62	146.17	166.09	160.42	199.82	237.52	220.99	260.09	0.47	0.12	0.16	0.00
ILMN_2671176	Sirt6	NM_181586.2	46.41	44.00	54.19	49.86	44.49	28.08	45.87	65.80	45.55	23.85	42.49	27.86	25.89	36.02	55.64	69.90	57.41	47.23	0.36	0.60	0.50	0.04
ILMN_2552236	Foxp1	AK031837	42.24	38.05	34.01	26.87	40.97	27.88	34.71	52.79	51.42	32.32	36.79	28.67	22.71	35.79	35.39	54.16	44.86	55.72	0.29	0.26	0.80	0.01
ILMN_2642876	1110008J03Rik	NM_029096.2	67.28	47.57	58.62	38.08	38.97	70.85	69.27	57.51	51.02	36.67	47.53	45.30	58.71	62.95	53.94	100.94	94.19	77.58	0.52	0.86	0.02	0.00
ILMN_1230242	LOC224549	XM_139765.1	107.62	109.06	48.89	93.36	100.39	34.28	125.50	130.59	38.66	37.08	43.61	37.80	43.02	46.08	61.72	67.31	62.43	84.84	0.69	0.80	0.15	0.01
ILMN_2570841	D430018E21Rik	AK052427	78.15	89.24	73.23	63.04	63.12	71.17	117.71	112.79	126.62	84.26	80.63	66.37	65.65	84.39	63.73	117.17	131.32	134.10	0.06	0.00	0.53	0.00
ILMN_2853212	Spns1	NM_023712.1	106.47	108.18	62.62	96.80	113.98	36.22	196.52	163.76	80.96	54.68	72.90	70.39	63.70	83.47	78.15	112.11	102.60	152.93	0.74	0.22	0.33	0.03
ILMN_2738726	Msh3	NM_010829	39.08	23.46	40.00	28.61	22.89	30.92	46.19	71.15	91.94	60.08	48.30	41.33	40.98	31.90	30.79	102.52	93.60	90.09	0.32	0.07	0.07	0.00
ILMN_1253876	Seh1l	NM_028112.2	112.13	116.46	42.50	96.73	103.40	30.54	230.85	227.21	74.39	29.83	69.92	83.57	78.72	67.16	75.48	171.48	131.58	200.20	0.71	0.20	0.48	0.01
ILMN_3094403	LOC544988	NM_001024712.1	37.52	32.62	30.02	28.34	35.46	20.00	74.72	80.64	38.70	34.22	20.00	21.04	35.56	40.40	39.13	47.21	59.39	65.44	0.34	0.08	0.05	0.01
ILMN_2576431	Lpin2	AK048657	39.45	58.46	46.36	33.16	56.75	31.04	80.69	69.97	53.74	30.48	39.23	47.20	29.29	36.45	34.98	69.93	71.62	83.32	0.48	0.11	0.37	0.00
ILMN_1229011	B230215E14Rik	AK045609	46.84	32.32	30.98	34.39	37.11	20.00	50.35	42.22	24.48	24.69	28.71	21.05	29.12	33.17	25.67	33.55	41.82	38.83	0.45	0.81	0.22	0.02
ILMN_2634841	Eif5b	NM_198303.2	169.57	124.30	77.98	119.06	126.05	59.42	200.84	179.10	86.92	68.43	110.68	98.79	74.99	107.80	97.72	127.09	147.59	158.42	0.54	0.51	0.96	0.03
ILMN_2753623	Epgn	NM_053087.2	30.04	34.06	34.41	25.18	24.00	31.59	33.67	42.87	57.45	32.33	23.89	26.13	54.94	29.14	35.27	52.51	44.41	34.51	0.10	0.17	0.21	0.05
ILMN_1227026	Rab3gap2	XM_980542.1	33.89	25.07	31.11	27.48	26.00	20.00	47.61	40.20	32.29	30.87	30.38	20.00	30.19	34.28	26.14	42.34	39.66	44.10	0.19	0.12	0.50	0.02
ILMN_1214208	LOC385114	XM_358063.1	431.32	472.59	199.66	443.34	454.19	109.23	538.42	724.81	280.67	165.71	196.55	241.62	202.16	208.94	265.50	317.28	295.90	411.13	0.83	0.40	0.46	0.03
ILMN_2587084	C230009C22Rik	AK082118	31.47	23.56	20.00	20.00	20.00	20.00	31.22	35.04	32.69	32.36	22.42	23.30	20.00	27.18	27.64	43.57	38.36	41.11	0.21	0.09	0.80	0.01
ILMN_2637295	Eda2r	NM_175540.4	47.20	40.38	27.03	33.01	41.47	20.00	79.40	70.14	20.00	21.51	32.18	27.16	20.00	32.65	32.22	54.13	37.01	58.11	0.48	0.40	0.81	0.03
ILMN_1241761	2900001A12Rik	XM_484180	170.10	170.05	81.47	167.72	183.07	40.46	275.47	341.88	140.65	53.73	74.26	77.91	74.23	70.62	93.85	164.90	143.27	187.50	0.86	0.17	0.35	0.00
ILMN_2728091	Slc7a1	NM_007513.3	20.00	20.00	37.94	20.00	20.00	20.00	54.15	49.37	109.65	20.00	20.00	25.87	34.86	22.13	20.00	67.31	81.78	49.97	0.37	0.09	0.50	0.01
ILMN_1247916	Lims2	NM_144862.3	61.77	73.62	32.65	52.41	74.66	20.00	84.23	71.71	36.61	27.80	36.09	36.26	33.97	20.00	39.12	53.85	48.36	47.67	0.74	0.69	0.73	0.01
ILMN_1240676	Tspyl5	NM_001085421.1	32.52	20.00	30.75	20.00	20.46	25.74	29.62	32.29	42.78	20.00	20.00	21.39	20.00	24.24	30.14	36.20	34.42	40.82	0.26	0.27	0.22	0.00
ILMN_1239723	LOC633238	XR_034121.1	59.50	45.32	46.72	44.54	40.10	37.04	46.74	40.36	38.16	24.65	45.71	43.16	56.00	60.55	81.53	65.98	60.19	68.54	0.12	0.17	0.05	0.02
ILMN_3076491	Rab27b	NM_030554.3	34.46	43.65	55.13	23.65	31.51	58.22	58.71	57.71	96.08	56.77	44.36	44.27	42.03	37.89	38.17	96.10	110.11	66.18	0.61	0.13	0.11	0.04
ILMN_1221442	Utp14a	XM_135857.4	88.50	102.51	91.88	77.66	98.62	56.33	145.55	159.43	104.42	44.83	98.51	77.04	60.57	76.61	91.44	115.27	143.23	144.99	0.26	0.07	0.89	0.03
ILMN_2980466	Idua	NM_008325.1	44.05	41.78	29.49	23.61	32.20	36.38	44.30	31.59	66.14	34.99	28.38	41.53	38.77	42.45	30.70	60.45	68.54	49.17	0.26	0.47	0.67	0.02
ILMN_2425657	6230409E13Rik	NM_175234	30.10	42.18	32.51	24.87	28.88	29.22	43.86	34.85	32.38	20.00	24.53	34.78	29.62	21.16	33.19	42.07	70.92	57.91	0.14	0.70	0.80	0.03
ILMN_2717470	Als2	NM_028717.3	361.06	312.76	393.26	270.00	287.65	289.42	422.11	439.66	505.88	317.78	366.33	373.00	309.00	387.10	368.67	544.12	539.33	549.20	0.04	0.04	0.93	0.00
ILMN_2748337	Elf2	NM_023502.1	140.66	171.04	105.18	144.73	142.00	62.11	176.20	151.11	91.95	88.42	105.58	94.37	103.84	127.19	133.41	156.35	157.27	160.96	0.53	0.98	0.07	0.00
ILMN_1242626	A630042M04Rik	AK041867	29.33	23.27	40.67	20.00	20.22	34.57	30.20	42.71	68.30	34.07	28.71	43.90	57.63	42.74	48.10	69.61	60.77	49.92	0.43	0.26	0.09	0.03
ILMN_1259680	LOC382050	XM_356123.1	108.31	98.32	37.16	99.69	83.26	23.99	116.77	189.34	39.38	42.42	43.04	45.44	23.57	70.12	26.64	71.20	62.32	68.50	0.72	0.52	0.83	0.00
ILMN_1239882	Peli3	NM_172835.2	33.21	20.00	39.68	20.00	20.00	32.82	31.91	28.84	67.02	20.85	31.26	29.43	35.53	24.73	32.53	42.12	45.81	43.04	0.41	0.44	0.46	0.01
ILMN_2819603	Gloxd1	NM_146256.2	31.57	40.53	30.92	37.16	26.43	20.00	29.56	33.43	39.47	20.00	23.36	32.33	25.38	44.03	35.32	41.93	56.36	56.80	0.33	0.97	0.21	0.01
ILMN_2429250	Snora70	NR_002899.1	109.05	78.73	62.86	75.73	67.50	51.94	72.28	70.76	37.75	46.93	65.37	75.32	78.70	67.51	78.10	90.06	103.08	99.86	0.29	0.26	0.25	0.02
ILMN_2583710	A630059F13Rik	AK080344	36.51	20.00	26.23	23.38	20.00	20.00	44.95	27.98	64.13	29.31	32.08	22.82	31.40	20.33	20.00	68.73	54.12	53.61	0.26	0.19	0.42	0.01
ILMN_2665994	Socs7	NM_138657.3	39.23	44.44	42.79	38.01	34.38	27.85	57.09	74.94	113.07	60.31	45.67	50.37	41.41	38.94	51.22	82.83	82.98	70.75	0.06	0.08	0.22	0.01
ILMN_1213186	4432404P07Rik		122.86	127.00	49.47	117.69	105.94	30.12	186.73	203.99	61.30	50.54	84.69	68.87	49.84	86.08	85.94	88.92	110.68	123.36	0.70	0.38	0.72	0.05
ILMN_2482494	Trim16	NM_053169.2	44.94	40.17	46.44	32.29	28.50	43.95	35.82	35.07	62.93	71.67	59.70	59.46	67.47	61.09	52.04	131.88	88.54	112.86	0.15	0.94	0.60	0.02
ILMN_2424408	Zzz3	NM_198416.2	167.67	138.91	96.30	143.02	147.04	50.84	228.88	218.48	116.48	62.98	90.57	90.88	85.12	83.81	130.57	202.43	171.84	191.55	0.61	0.26	0.36	0.00
ILMN_2654679	LOC100040671	XR_032179.1	95.93	98.28	35.37	83.88	93.68	20.00	156.08	198.11	90.03	33.80	48.28	66.00	54.23	48.08	77.17	108.83	92.92	164.86	0.75	0.13	0.46	0.04
ILMN_2701129	4931426K16Rik	XM_357260.1	175.84	148.01	113.32	157.23	154.11	56.12	210.10	200.07	90.70	97.91	116.43	119.76	116.02	134.55	118.54	144.95	206.02	204.25	0.57	0.64	0.26	0.03
ILMN_2772103	Smad9	NM_019483.4	24.58	30.77	80.78	20.93	20.00	66.97	88.78	66.18	143.63	52.31	41.81	51.04	65.24	42.72	42.80	75.28	85.38	74.65	0.71	0.14	0.83	0.00
ILMN_2623605	A030004J04Rik	NM_175424.3	966.18	1043.31	738.89	800.86	953.56	447.20	1464.35	1885.77	928.66	427.49	645.78	678.83	410.34	527.15	636.79	1648.01	1647.90	1862.06	0.36	0.16	0.59	0.00
ILMN_1215572	Syne2	NM_001005510.2	28.15	22.45	45.85	20.00	29.92	22.01	47.26	52.65	63.07	20.00	25.60	28.22	39.96	30.67	30.90	48.95	49.31	47.92	0.35	0.06	0.08	0.00
ILMN_1214091	9830118G07Rik	AK036492	55.01	37.56	37.67	43.33	29.99	27.12	64.07	44.12	84.83	50.64	35.22	39.11	49.69	39.59	38.72	70.22	63.57	52.74	0.26	0.19	0.87	0.04
ILMN_2486186	Tnfrsf1b	NM_011610.1	35.82	46.76	55.39	27.99	27.73	53.84	59.94	54.25	77.90	52.94	49.32	48.27	38.26	55.78	41.89	59.02	92.13	89.38	0.41	0.12	0.43	0.05
ILMN_2460875	Tnfrsf10b	NM_020275.3	131.72	81.04	94.65	86.35	92.63	56.80	165.84	106.65	99.68	71.08	96.20	98.77	67.81	84.03	90.73	158.75	167.67	145.81	0.27	0.45	0.52	0.00
ILMN_1244622	XEDAR EDA-A2R	AK049134	48.42	55.87	34.51	45.29	45.52	20.00	163.37	155.99	45.81	21.15	34.06	43.71	29.22	38.12	51.31	88.81	109.18	95.20	0.43	0.12	0.51	0.00
ILMN_2644792	Prpf3	NM_027541.4	76.64	59.29	74.30	52.41	58.91	47.42	68.28	67.61	80.22	50.91	82.13	61.61	57.47	72.12	52.58	98.78	129.40	113.93	0.05	0.79	0.72	0.02
ILMN_2531225	Osbpl1a	NM_207530.2	75.48	78.04	82.22	63.61	78.58	41.64	110.70	100.59	97.96	62.51	62.69	75.50	61.68	61.97	57.98	135.25	113.65	103.14	0.19	0.00	0.23	0.01
ILMN_2455850	Gpr137b-ps	NR_003568.1	44.98	57.15	20.00	27.87	39.10	20.00	136.43	160.92	48.32	20.00	20.00	32.21	20.00	20.89	24.71	89.08	82.85	141.25	0.39	0.11	0.64	0.01
ILMN_1252392	Gabpa	NM_008065.2	206.04	182.11	175.42	160.27	144.85	114.84	270.61	292.60	267.61	148.48	168.09	168.51	171.82	156.12	166.41	308.42	276.92	314.28	0.04	0.00	0.72	0.00
ILMN_2579266	Neo1	AK084609	76.35	70.96	79.47	63.66	65.06	41.64	118.83	156.07	87.30	75.93	55.11	63.76	70.20	64.03	61.76	148.56	100.69	112.00	0.08	0.09	0.95	0.02
ILMN_3072377	Chm	NM_018818.2	43.76	26.30	36.55	31.27	22.68	23.22	48.54	44.85	51.29	31.85	33.42	20.00	49.37	23.99	24.00	57.79	72.09	57.24	0.16	0.08	0.69	0.01
ILMN_1213034	2010312A17Rik	AK008565	37.95	32.71	45.62	36.15	20.00	29.67	35.99	56.61	69.76	48.50	35.33	40.25	29.23	47.00	39.78	88.12	67.59	59.85	0.17	0.22	0.70	0.03
ILMN_1255178	B130047N10Rik	AK045211	35.89	20.00	38.53	21.77	23.51	20.00	28.47	34.72	51.09	21.34	24.45	31.97	20.00	40.45	24.45	33.95	40.29	46.28	0.17	0.50	0.75	0.04
ILMN_2657636	Gsta1	NM_008181.1	57.85	60.68	20.00	33.34	37.57	20.00	205.73	235.31	59.38	38.49	41.05	62.89	47.19	74.57	78.90	293.88	329.67	488.67	0.32	0.10	0.20	0.01
ILMN_3162824	P2rx7	NM_001038887.1	63.18	45.81	28.94	31.94	44.04	20.00	61.60	82.53	42.70	20.97	31.04	31.89	28.69	39.20	24.49	61.34	77.71	61.11	0.31	0.34	0.64	0.00
ILMN_3008230	Ccdc9	NM_172297.1	53.82	53.15	31.88	24.17	60.18	20.85	52.82	69.35	36.19	47.48	37.06	33.51	36.19	51.19	48.71	55.30	64.48	77.11	0.48	0.62	0.39	0.03
ILMN_2959292	Upp1	NM_009477.1	20.00	38.07	54.45	25.71	25.48	20.99	20.00	41.57	25.12	30.26	35.47	35.18	54.14	39.01	45.32	58.05	48.65	54.18	0.25	0.51	0.06	0.00
ILMN_3111744	Lpin1	NM_172950.2	52.29	28.32	50.95	32.17	25.70	28.52	55.72	52.05	68.80	29.42	40.48	31.40	43.66	53.23	40.12	47.96	61.33	51.19	0.13	0.18	0.08	0.02
ILMN_1238153	mt-Nd6		24.56	44.49	42.69	20.00	34.78	20.00	33.76	65.17	33.03	20.00	22.62	28.77	20.00	20.00	35.28	42.14	34.13	46.11	0.20	0.61	0.83	0.02
ILMN_2787580	Scnm1	NM_027013.1	31.03	47.31	41.34	20.00	27.25	28.67	39.20	44.58	28.27	27.17	27.94	30.39	62.33	37.46	39.74	47.68	44.46	46.96	0.06	0.73	0.09	0.00
ILMN_2872851	Cst6	NM_028623.2	26.53	49.43	67.07	81.70	75.91	106.28	20.00	20.00	20.00	70.26	41.36	51.98	75.98	69.23	93.15	20.00	20.00	20.00	0.05	0.08	0.09	0.01
ILMN_2460653	Unc93b1	NM_019449.1	20.00	32.94	20.00	34.21	35.75	38.86	20.00	20.00	20.00	31.63	30.76	33.14	43.09	24.96	26.07	20.00	22.05	20.00	0.06	0.37	0.94	0.00
ILMN_1217369	1100001J08Rik	XM_126505.1	20.00	35.35	36.25	39.71	50.73	44.00	37.92	25.12	31.67	57.14	48.68	37.18	50.08	30.14	48.92	34.86	23.67	20.00	0.08	0.88	0.62	0.04
ILMN_1228696	Ada	NM_007398.3	78.28	70.85	30.04	98.98	108.36	48.75	37.48	58.26	48.84	61.37	68.40	70.67	40.84	53.15	80.98	46.43	28.71	47.44	0.34	0.51	0.52	0.02
ILMN_2901765	Wnt6	NM_009526.3	27.74	38.37	54.08	46.77	55.16	68.98	24.36	20.00	20.00	56.33	51.28	43.51	61.61	58.63	53.41	33.60	31.21	20.00	0.17	0.08	0.17	0.02
ILMN_1220417	Agxt2l2	NM_028398.2	68.74	73.26	121.82	113.64	113.60	138.80	64.23	63.95	92.08	143.08	110.77	110.59	120.49	111.58	119.23	74.72	60.57	59.34	0.15	0.50	0.71	0.01
ILMN_2706514	LOC100046608	XM_001476583.1	21.93	46.66	35.60	43.43	42.13	56.56	24.86	22.31	51.68	52.82	40.29	38.11	21.70	36.50	39.38	20.00	29.01	25.71	0.21	0.89	0.19	0.02
ILMN_1248763	Thex1	NM_026067.2	44.94	25.89	26.71	49.80	45.30	38.39	20.00	20.00	29.29	38.53	31.59	32.87	23.22	45.16	42.82	22.88	20.94	23.67	0.16	0.25	0.73	0.01
ILMN_2704873	Hist1h2ab	NM_175660.2	54.76	22.33	53.82	47.86	44.44	82.25	44.74	23.51	43.45	76.09	63.28	76.26	75.27	53.94	47.25	29.91	39.58	38.13	0.42	0.64	0.24	0.00
ILMN_1225072	2410187C16Rik	AK010831	33.71	22.55	41.32	30.69	43.37	58.26	23.66	26.63	41.56	50.32	35.93	48.00	40.55	36.59	38.28	28.16	25.47	31.83	0.30	0.82	0.24	0.03
ILMN_2806740	Tmem161a	NM_145597.2	36.40	21.25	48.29	46.49	34.96	55.05	25.10	33.63	24.62	49.79	41.71	43.13	47.55	43.89	39.66	23.34	37.53	23.65	0.36	0.42	0.74	0.03
ILMN_2692072	Elf3	NM_007921.2	27.73	32.66	45.99	36.41	54.76	49.77	24.47	28.52	21.74	50.86	42.42	35.82	45.78	25.77	43.36	32.41	24.70	23.31	0.21	0.14	0.57	0.04
ILMN_1231837	Pcdh9	NM_001081377.1	118.25	103.68	89.24	145.86	145.37	118.13	99.53	84.24	79.67	74.49	77.01	77.71	114.77	76.75	98.87	33.36	46.74	37.94	0.06	0.20	0.14	0.00
ILMN_2668509	Hp	NM_017370.1	59.91	116.91	86.95	93.05	160.20	93.49	70.20	61.64	51.87	73.48	70.01	57.96	58.26	85.22	58.32	45.86	36.21	39.90	0.37	0.20	0.99	0.01
ILMN_2910020	8430427H17Rik	NM_001001986.1	31.05	28.17	20.90	40.03	42.59	24.39	20.00	25.05	27.85	31.54	48.73	35.54	34.93	31.33	48.31	20.00	20.00	20.00	0.24	0.56	0.96	0.02
ILMN_2773880	LOC100047155	XM_001477537.1	36.76	52.09	22.88	46.05	47.17	44.91	25.92	23.18	22.95	56.99	38.92	37.57	39.74	32.50	40.13	22.73	21.50	20.00	0.36	0.19	0.36	0.02
ILMN_2880467	Lass4	NM_026058.2	73.56	24.42	27.98	37.10	54.88	54.45	49.56	56.70	27.28	45.82	48.42	44.48	26.94	37.96	56.82	20.70	25.80	39.46	0.71	0.90	0.55	0.04
ILMN_3084160	Cxx1b	NM_001018063.1	83.22	84.48	94.94	115.21	114.36	108.76	64.44	75.47	88.68	123.45	118.29	103.32	92.49	104.61	96.40	76.18	72.28	80.27	0.00	0.23	0.07	0.00
ILMN_1225370	Wdr92	NM_178909.4	4142.17	3417.26	1626.95	4919.19	5273.11	1870.04	2138.73	2193.74	692.05	1324.37	1602.01	1970.73	1938.37	2242.53	3144.75	826.10	788.28	1103.65	0.51	0.20	0.12	0.03
ILMN_2695412	AI451617	NM_199146.1	44.60	38.10	58.26	62.25	34.45	95.37	31.42	20.00	33.15	51.14	59.63	43.37	64.84	59.59	52.63	32.15	22.08	24.76	0.41	0.06	0.26	0.01
ILMN_3122383	Otud7b	NM_001025613.1	95.59	120.08	144.58	142.66	119.76	192.90	82.81	72.81	107.51	138.38	152.39	146.14	109.06	135.35	129.16	113.29	81.72	93.50	0.29	0.14	0.08	0.01
ILMN_2915279	Mov10	NM_008619.1	42.74	39.79	72.75	49.46	54.40	91.16	32.20	24.83	32.41	49.77	60.11	60.86	60.84	50.20	64.13	20.00	20.70	23.54	0.48	0.11	0.80	0.00
ILMN_1219467	4833441B18Rik	AK029458	24.53	29.94	20.00	35.44	40.49	20.00	33.28	20.00	20.00	33.15	29.85	30.32	23.14	41.55	23.32	20.00	20.00	20.00	0.35	0.94	0.79	0.00
ILMN_2668510	Hp	NM_017370.1	92.58	129.97	126.42	117.34	162.61	155.31	68.15	53.77	98.20	93.52	77.04	72.71	84.60	94.40	88.36	53.16	63.74	34.94	0.19	0.07	0.31	0.04
ILMN_2609000	Adc	NM_172875.1	20.00	36.12	20.00	28.71	35.63	27.38	20.00	20.00	20.00	27.02	39.01	39.12	26.40	25.93	25.48	20.00	21.20	20.00	0.43	0.37	0.09	0.02
ILMN_2806250	Rab38	NM_028238.5	111.19	113.24	79.99	124.13	110.92	141.38	49.19	56.18	83.19	81.61	70.40	85.67	92.11	75.27	88.43	66.10	47.89	42.56	0.16	0.06	0.43	0.03
ILMN_1238113	C030034I22Rik	XM_488832	44.68	42.87	48.86	43.39	49.94	83.15	40.36	35.53	30.18	47.71	56.90	59.62	49.30	52.02	56.55	37.31	30.96	33.53	0.34	0.04	0.64	0.01
ILMN_1236459	Paox	NM_153783.4	52.38	56.23	75.13	57.86	66.26	109.68	62.21	33.24	71.94	76.15	90.21	87.08	68.89	60.10	66.48	51.23	59.59	56.69	0.39	0.71	0.02	0.00
ILMN_1246130	Cit	NM_007708.3	56.98	59.43	63.29	59.83	78.67	84.99	53.12	43.40	61.49	85.70	81.42	95.97	69.13	78.90	90.07	54.81	58.89	60.29	0.13	0.26	0.32	0.00
ILMN_1237849	C630015B10Rik	AK083112	48.74	57.65	33.30	64.81	67.92	39.64	27.71	35.52	26.57	53.77	52.12	45.41	47.13	39.34	46.77	20.00	22.89	32.56	0.39	0.10	0.17	0.01
ILMN_2722024	Pla1a	NM_134102.3	304.35	265.50	380.34	355.80	308.72	516.39	201.24	175.55	312.04	385.68	433.69	339.41	389.78	382.64	363.44	274.93	251.27	233.40	0.34	0.18	0.80	0.01
ILMN_2760835	Sfxn2	NM_053196.3	38.61	48.73	76.72	61.81	42.42	100.50	34.44	24.56	48.07	63.70	65.30	59.70	42.92	66.70	63.01	44.95	42.86	32.14	0.55	0.23	0.52	0.01
ILMN_1252076	Lyz2	NM_017372.3	29.37	30.29	57.86	35.92	32.48	80.08	20.00	20.00	46.75	34.36	41.66	48.77	46.60	50.15	33.32	20.00	20.00	20.00	0.60	0.47	0.80	0.01
ILMN_2640752	Ces1	NM_021456.2	76.81	130.45	31.98	104.96	118.34	46.11	68.75	57.22	20.00	56.53	46.41	47.84	21.43	37.91	64.57	29.19	27.24	42.29	0.79	0.39	0.53	0.04
ILMN_1245489	2310067B10Rik	NM_028014.3	85.68	105.59	158.45	124.50	112.02	181.79	71.74	69.33	132.75	157.66	118.05	139.69	139.53	137.82	108.05	99.44	84.58	75.84	0.50	0.45	0.55	0.02
ILMN_2847834	Unc119	NM_011676.2	41.63	83.95	99.29	74.20	71.21	114.69	84.78	57.83	64.24	119.67	91.43	107.71	66.19	91.05	83.92	66.20	77.30	54.31	0.63	0.77	0.08	0.02
ILMN_3162394	LOC100040799	XM_001475293.1	108.21	104.45	55.38	115.66	122.91	76.81	71.58	71.79	55.21	80.62	77.97	104.11	80.99	79.89	93.25	50.47	50.10	60.56	0.52	0.27	0.78	0.02
ILMN_2773374	Mst1r	NM_009074	73.24	73.11	111.87	98.15	94.12	111.87	64.92	50.46	84.80	73.40	86.03	91.44	96.12	84.21	73.49	63.99	59.41	42.77	0.33	0.30	0.91	0.03
ILMN_2692341	Scrn2	NM_146027.1	83.46	97.16	75.16	87.03	99.69	120.25	80.22	58.31	46.80	117.21	106.02	117.87	102.17	121.19	119.13	74.56	87.12	56.18	0.22	0.12	0.95	0.01
ILMN_2713487	LOC100042199	XM_001478983.1	87.40	91.30	131.21	98.93	111.91	160.48	40.96	60.57	107.61	148.15	135.15	122.26	121.83	140.54	135.97	87.65	80.36	81.42	0.43	0.24	0.81	0.00
ILMN_1224069	Prickle1	NM_001033217.3	115.62	126.37	113.97	129.04	134.14	162.36	97.23	103.58	102.15	91.66	102.37	75.29	82.48	86.97	74.22	42.25	49.32	48.75	0.10	0.02	0.38	0.01
ILMN_2532865	Gm166	NM_001033040.2	50.87	56.06	57.49	55.19	66.45	74.68	25.03	25.05	48.34	71.66	76.24	65.14	67.36	63.98	65.73	44.36	51.80	35.84	0.15	0.05	0.19	0.01
ILMN_2742013	Mid2	NM_011845.1	41.99	37.91	23.26	40.95	31.60	47.75	52.04	32.16	45.62	47.62	37.53	47.68	29.65	40.54	34.79	23.41	30.85	28.89	0.48	0.34	0.11	0.01
ILMN_2712075	Lcn2	NM_008491.1	1149.00	1092.95	1000.42	1124.50	1202.03	1546.46	752.16	695.04	889.04	1017.10	1135.59	837.75	1224.86	1334.17	1090.71	714.60	684.54	546.18	0.20	0.01	0.12	0.03
ILMN_2870522	Plekha6	NM_182930.1	46.87	36.27	52.21	54.70	40.73	66.13	30.33	32.06	34.61	47.08	37.88	38.60	33.89	40.37	25.74	20.88	29.49	26.61	0.37	0.06	0.20	0.02
ILMN_2860645	Gbp6	NM_145545.2	55.66	64.51	66.43	85.14	75.68	61.30	44.96	43.80	66.72	67.75	61.76	72.82	44.98	58.22	62.99	20.00	39.89	20.00	0.20	0.27	0.13	0.01
ILMN_2803344	Tmem143	NM_144801.1	44.78	58.73	62.96	62.04	63.01	69.83	34.37	35.02	49.43	76.86	54.52	70.26	57.11	68.38	60.94	46.63	44.62	36.77	0.19	0.10	0.53	0.03
ILMN_1220697	Notch4	NM_010929.2	90.37	78.29	112.27	104.51	91.97	136.18	49.77	36.43	82.14	136.56	119.17	98.42	139.57	113.27	132.49	66.19	73.78	59.31	0.35	0.09	0.49	0.01
ILMN_2884728	Tcea2	NM_009326.1	63.45	53.57	67.92	73.87	84.10	60.99	49.72	28.60	53.41	72.41	55.86	52.90	72.01	78.18	64.56	34.17	39.25	33.92	0.23	0.11	0.20	0.02
ILMN_2693022	Hhat	NM_144881.3	74.03	80.02	72.62	100.22	85.89	80.97	64.98	54.72	20.42	57.41	84.88	55.97	62.28	65.71	50.57	36.62	33.43	30.60	0.10	0.10	0.56	0.03
ILMN_1230183	Gpr155	XM_130346	60.76	39.19	49.34	56.14	64.53	52.14	36.39	32.07	22.66	59.82	43.38	54.26	42.08	35.72	45.60	29.45	34.36	26.96	0.34	0.06	0.11	0.01
ILMN_2856537	Slc16a4	NM_146136.1	41.82	50.90	58.49	66.82	48.64	61.48	26.89	20.00	45.51	61.65	53.88	55.56	52.72	50.53	43.62	20.00	20.00	31.39	0.30	0.10	0.09	0.00
ILMN_2467513	2810468N07Rik		45.96	62.91	69.14	65.90	65.46	74.11	47.31	61.86	54.56	75.18	77.05	76.22	51.67	68.23	62.98	38.34	58.60	42.42	0.29	0.59	0.04	0.01
ILMN_2663428	Adamtsl3	XM_194370.6	84.86	76.54	105.93	84.00	101.34	129.05	55.36	66.89	72.97	152.11	105.65	111.10	107.52	102.22	118.46	73.95	80.68	68.84	0.38	0.08	0.43	0.03
ILMN_2903926	Pdgfrl	NM_026840.2	51.90	45.41	46.37	58.60	74.14	40.04	52.07	46.16	34.07	60.50	42.62	46.62	29.93	41.15	37.57	22.95	28.40	26.62	0.39	0.54	0.10	0.01
ILMN_2496537	Npr3	NM_001039181.1	73.44	72.00	31.34	77.47	91.83	37.04	27.67	30.20	36.26	38.48	46.62	59.04	32.08	33.30	54.73	20.00	20.00	20.00	0.67	0.12	0.45	0.01
ILMN_2859917	Tmem53	NM_026837.1	1183.47	1049.37	1286.68	1269.02	1311.22	1519.87	920.61	779.71	1048.10	1266.65	1368.20	1349.03	1306.97	1373.04	1304.75	906.86	881.66	843.18	0.14	0.07	0.99	0.00
ILMN_2661786	Pomgnt1	NM_026651.1	20.00	20.00	45.26	38.08	20.00	37.32	20.00	20.00	20.00	29.12	36.98	38.54	35.74	48.26	32.63	20.00	23.90	20.00	0.76	0.37	0.51	0.01
ILMN_1230604	2310007H09Rik	NM_029609.1	74.66	71.20	101.19	105.75	84.99	91.76	53.34	53.36	85.12	96.66	107.64	100.68	125.46	107.05	99.03	74.49	62.00	60.06	0.35	0.26	0.35	0.00
ILMN_2800500	1700037C18Rik	NM_028484.1	61.14	41.05	70.30	68.13	58.68	67.56	42.85	50.22	72.46	60.10	52.14	48.82	77.78	56.25	56.78	44.33	33.09	26.22	0.47	0.86	0.27	0.04
ILMN_2552243	4632428D17Rik	AK028549	126.38	138.89	128.90	150.33	141.91	162.07	96.11	91.77	85.28	146.31	119.63	115.14	134.01	114.02	110.57	78.24	76.61	70.67	0.05	0.00	0.57	0.01
ILMN_2828438	D830050J10Rik	NM_178264.3	70.27	64.76	76.85	68.17	77.68	100.48	22.02	23.75	60.99	62.28	67.23	56.86	71.39	50.68	54.57	34.65	27.77	20.00	0.32	0.06	0.67	0.00
ILMN_1225627	Ube2e3	NM_009454.2	72.66	66.01	91.03	79.90	87.79	94.46	76.89	69.13	94.92	104.57	89.12	95.09	76.47	68.30	82.39	70.02	63.02	52.60	0.28	0.74	0.03	0.01
ILMN_1240165	Acy3	NM_027857.3	260.59	246.04	221.44	293.48	290.14	252.23	168.54	179.16	150.41	253.89	251.47	285.88	241.77	280.42	268.93	135.50	145.09	171.93	0.11	0.01	1.00	0.00
ILMN_2911307	Gm347	NM_001005420.1	59.44	50.59	63.10	59.62	56.81	84.70	40.81	38.31	48.29	58.43	39.32	42.88	53.02	46.40	52.58	20.00	33.40	27.92	0.39	0.03	0.58	0.05
ILMN_3107945	Ccdc46	NM_029606.3	180.84	173.20	160.05	183.92	205.86	200.13	154.61	134.63	135.76	156.20	143.53	140.27	169.24	146.08	163.67	81.96	92.43	58.89	0.05	0.03	0.20	0.00
ILMN_2910258	Bnc1	NM_007562.1	126.48	135.49	143.34	150.23	139.98	175.80	107.00	89.03	119.83	121.16	131.81	126.17	102.78	89.35	91.54	61.70	66.45	69.05	0.16	0.04	0.00	0.00
ILMN_2657986	Fbxw4	NM_013907.2	26.97	32.56	23.47	20.00	22.61	68.46	20.00	20.00	24.11	35.16	40.65	45.06	32.92	36.06	33.87	20.00	20.00	20.00	0.59	0.10	0.12	0.00

ILMN_1226798	Stra13	NM_016665.1	69.54	45.16	100.36	71.20	55.22	120.26	36.86	31.37	59.56	110.56	88.27	89.27	113.58	88.14	85.77	56.34	58.66	52.19	0.70	0.18	0.99	0.01
ILMN_1215091	Orc3l	NM_015824.3	141.49	170.24	142.82	198.16	183.34	141.78	136.67	129.50	123.83	138.35	160.16	156.54	161.91	148.64	128.41	103.00	98.12	84.17	0.30	0.10	0.67	0.00
ILMN_2591159	1200015N20Rik	NM_024244.3	1098.31	1109.29	1026.90	1202.51	1288.31	1209.17	852.99	794.07	768.08	1084.68	919.82	988.95	980.61	896.52	865.43	606.99	515.17	488.56	0.01	0.00	0.23	0.00
ILMN_1227679	1810019D21Rik	XM_489246	39.72	28.79	62.08	36.26	48.70	60.11	20.00	20.00	32.44	48.97	37.76	32.85	50.18	43.72	45.94	20.00	21.97	20.00	0.71	0.14	0.26	0.02
ILMN_1246473	Ccnd3	NM_001081636.1	122.61	128.81	182.25	163.08	135.89	193.31	72.05	57.61	106.51	200.40	159.78	163.78	160.90	154.68	147.34	117.91	90.47	87.74	0.48	0.05	0.21	0.01
ILMN_2759398	Adam22	NM_001007220.2	141.57	170.70	142.43	177.07	178.64	161.92	119.09	105.83	94.12	184.41	183.93	176.35	143.74	180.35	248.25	108.83	106.92	126.49	0.13	0.02	0.78	0.00
ILMN_3127381	Zfp239	NM_008616.2	69.61	67.84	98.28	72.81	79.84	118.77	54.46	41.41	67.13	99.33	71.67	82.12	90.96	59.43	67.80	43.61	38.97	45.33	0.53	0.12	0.40	0.01
ILMN_2588737	Rab3d	NM_031874.4	683.35	751.86	858.85	768.73	830.17	1020.81	541.65	497.49	668.05	842.99	679.96	695.84	853.97	665.88	755.49	510.50	469.56	382.58	0.30	0.05	0.81	0.01
ILMN_3147230	Rai1	NM_009021.2	36.40	55.84	51.69	48.95	58.71	53.96	31.18	38.68	32.86	59.58	47.49	47.52	49.19	56.36	56.84	20.39	26.61	38.62	0.42	0.10	0.61	0.03
ILMN_1255622	C730029N23Rik	AK050243	38.32	37.43	20.00	34.96	59.67	20.00	36.42	30.97	22.69	28.95	36.97	33.78	27.26	27.08	22.47	22.12	20.00	20.00	0.65	0.80	0.05	0.01
ILMN_2627566	Capn5	NM_007602.3	248.31	237.10	281.23	236.31	269.19	377.70	281.62	241.76	307.59	346.09	310.39	316.50	299.90	273.14	257.16	228.25	230.07	175.71	0.43	0.41	0.05	0.01
ILMN_1255676	A430106B04Rik	AK040546	37.37	59.13	93.83	58.11	65.66	78.76	20.00	43.49	51.07	88.23	74.08	67.01	63.78	70.99	55.59	37.26	36.13	34.47	0.83	0.25	0.17	0.00
ILMN_2476303	1700008F19Rik		76.64	70.28	44.93	75.14	79.41	58.49	23.83	45.14	23.25	45.21	60.74	49.32	60.41	46.05	45.27	20.00	29.99	21.11	0.58	0.05	0.87	0.01
ILMN_2840956	Thbs3	NM_013691.1	55.48	46.14	33.74	58.99	44.19	47.72	51.78	44.21	31.09	39.29	61.85	54.66	45.95	53.65	38.40	31.60	31.77	33.91	0.54	0.77	0.50	0.04
ILMN_2738122	C1qtnf6	NM_028331.2	123.17	134.54	118.58	138.74	151.14	134.72	98.54	71.23	96.34	130.18	162.56	155.44	135.07	129.04	138.32	103.48	68.73	85.55	0.08	0.02	0.21	0.01
ILMN_1231520	Trpv4	NM_022017.1	76.04	79.03	84.57	92.78	86.23	91.10	55.93	48.46	59.35	110.41	94.36	84.58	56.58	72.32	92.14	74.71	59.40	56.49	0.03	0.00	0.15	0.02
ILMN_2657421	Phkb	NM_199446.1	261.11	280.08	255.54	321.97	312.90	265.99	209.08	239.00	241.21	248.23	210.82	263.19	292.24	243.79	285.85	162.18	172.54	116.91	0.14	0.05	0.20	0.02
ILMN_2896492	2610003J06Rik	NM_028101.1	154.10	151.34	224.58	198.36	154.36	245.22	138.36	82.66	139.47	238.60	226.83	231.46	240.36	232.45	199.59	147.59	159.77	140.80	0.56	0.14	0.56	0.00
ILMN_2813724	Bai2	NM_173071.1	23.68	23.06	20.00	20.00	26.18	29.86	20.00	20.00	20.48	29.35	38.81	27.36	46.39	26.34	25.38	20.00	20.00	20.00	0.37	0.14	0.92	0.03
ILMN_1257208	Fgfr3	NM_008010.3	61.79	52.81	87.91	73.85	65.63	83.89	33.53	25.74	64.36	56.35	69.01	66.11	98.98	63.68	47.13	44.99	42.57	39.50	0.59	0.17	0.72	0.01
ILMN_2825803	Parp14	NM_001039530.1	385.00	366.00	464.53	444.63	401.57	516.60	380.73	265.40	350.52	431.04	428.68	358.05	384.83	385.70	363.90	233.12	251.66	240.83	0.34	0.19	0.33	0.00
ILMN_2425488	Wdr5b	NM_027113.2	64.70	36.36	33.83	63.53	39.06	44.91	20.89	20.00	39.08	50.54	36.86	59.01	47.43	59.54	31.00	20.04	29.90	27.55	0.75	0.19	0.80	0.03
ILMN_2691135	Itpkb	NM_001081175.1	23.94	27.36	28.61	33.48	20.00	39.01	20.00	20.00	20.00	40.88	42.28	30.25	23.63	32.61	20.00	20.00	20.23	20.00	0.51	0.01	0.08	0.01
ILMN_1246173	Msx1	NM_010835.2	512.21	492.66	591.69	515.21	564.83	713.59	318.55	326.11	478.07	633.69	486.21	503.82	551.98	465.31	467.18	387.26	333.89	296.46	0.38	0.06	0.44	0.02
ILMN_1233534	BC022960	XM_136142.6	106.24	114.17	20.00	120.75	108.68	25.66	80.20	63.91	20.00	44.26	40.34	35.02	27.50	32.80	34.04	20.00	20.00	32.85	0.91	0.51	0.07	0.04
ILMN_1222356	1110067D22Rik	NM_173752.3	584.40	468.12	330.91	630.62	628.99	314.25	302.90	265.19	168.33	264.66	342.07	354.13	302.74	393.40	364.08	224.17	156.40	164.41	0.65	0.06	0.44	0.02
ILMN_1215372	Shank3	NM_021423.1	20.51	34.29	42.53	29.41	37.92	36.93	22.64	20.00	20.04	38.68	40.94	28.31	32.50	31.75	20.00	20.00	20.69	22.01	0.76	0.15	0.23	0.02
ILMN_2438338	Itpkb	XM_205854	146.89	180.10	179.87	199.69	164.35	199.54	137.62	107.54	147.60	186.42	195.86	221.06	227.84	191.55	204.99	117.04	98.60	113.18	0.31	0.08	0.66	0.00
ILMN_2613731	4932415G12Rik	NM_026339	101.17	77.17	105.07	100.29	106.49	105.28	68.23	63.10	91.91	105.04	83.67	79.25	100.27	76.83	96.39	72.32	54.86	42.02	0.35	0.18	0.87	0.05
ILMN_2713879	Dennd1a	NM_146122.2	41.62	51.09	58.25	61.53	77.21	35.73	38.91	59.81	49.79	51.40	58.88	61.51	67.58	51.07	55.87	36.50	29.67	34.36	0.58	0.92	0.88	0.00
ILMN_2466527	Trps1	NM_032000.1	298.61	280.01	140.28	319.55	304.61	164.66	222.69	175.15	95.67	181.16	177.50	183.30	145.87	182.46	192.64	107.64	120.27	126.56	0.76	0.29	0.65	0.00
ILMN_3036708	Gats	NM_030719.3	440.81	360.35	319.32	465.03	442.83	334.91	283.64	276.31	197.01	322.51	333.24	407.51	384.75	416.01	411.11	210.68	232.30	199.71	0.49	0.06	0.16	0.01
ILMN_2668886	6720456H20Rik	NM_172600.2	134.87	143.98	172.44	156.08	142.26	204.43	112.78	125.40	144.16	146.55	139.28	135.82	167.51	157.07	170.28	101.30	98.29	80.59	0.48	0.19	0.01	0.00
ILMN_2762935	Rhox5	NM_008818.2	28.07	26.67	30.89	36.41	31.41	27.38	28.18	23.59	20.00	40.93	37.78	28.62	33.62	33.25	36.51	26.86	20.00	20.22	0.33	0.16	0.75	0.04
ILMN_1219786	Morn2	NM_194269.1	229.79	242.05	134.74	259.62	284.01	136.47	154.56	174.30	110.18	157.09	142.00	167.58	176.36	143.17	191.77	90.65	100.09	121.97	0.69	0.22	0.41	0.01
ILMN_1247216	Lrrk2	NM_025730.3	23.81	46.51	21.22	35.83	24.64	35.72	20.00	20.00	20.26	41.46	41.96	29.89	21.98	36.57	41.62	20.00	27.16	20.00	0.87	0.26	0.57	0.03
ILMN_2728379	Ivd	NM_019826.3	681.37	739.00	733.99	793.98	744.34	838.29	522.09	482.72	759.96	911.59	731.70	811.55	925.66	745.51	806.69	586.75	563.95	484.18	0.09	0.22	0.92	0.01
ILMN_2655260	Ptp4a3	NM_008975.2	194.47	234.74	238.59	225.97	246.95	259.38	146.41	136.89	170.19	225.22	249.50	233.34	242.51	233.55	247.84	148.43	162.82	135.06	0.28	0.01	0.56	0.00
ILMN_2604333	Npr3	NM_008728	35.41	44.68	28.27	40.66	35.67	40.64	27.73	28.83	20.00	50.73	42.59	46.15	36.81	31.72	32.11	22.58	20.00	27.14	0.60	0.13	0.01	0.00
ILMN_2732859	Sidt2	NM_172257.3	151.98	130.33	200.74	135.34	142.88	270.52	94.25	81.33	141.44	228.59	228.34	201.89	228.60	233.48	215.26	130.39	141.49	128.66	0.68	0.12	0.58	0.00
ILMN_1243939	9530027K23Rik	NM_176838	55.29	29.04	39.36	53.42	47.49	32.76	22.69	24.68	24.22	44.66	46.21	42.36	39.18	38.77	44.39	22.64	25.78	31.73	0.75	0.09	0.16	0.00
ILMN_1218940	Loh12cr1	NM_026371.2	100.20	110.82	140.70	121.34	100.17	168.69	68.64	54.51	110.86	134.07	136.23	136.62	152.95	142.35	135.49	91.88	88.72	71.27	0.62	0.13	0.20	0.00
ILMN_2751492	Frag1	NM_145583.2	147.35	151.90	240.63	166.25	158.06	267.16	113.11	103.51	230.14	247.57	223.43	214.14	221.63	257.55	230.29	150.37	115.47	128.73	0.73	0.57	0.61	0.00
ILMN_1257163	Tnks1bp1	NM_001081260.1	396.32	356.85	344.24	383.84	418.50	394.47	289.08	236.71	272.53	382.76	326.18	334.36	362.96	346.24	327.03	248.49	209.11	201.68	0.15	0.01	0.91	0.00
ILMN_1256281	Gtpbp8	NM_025332.2	45.81	68.03	82.89	45.81	65.77	111.57	20.00	31.71	74.55	71.33	58.36	56.74	46.63	53.65	50.76	30.24	33.06	24.65	0.71	0.30	0.08	0.00
ILMN_2448749	Zfp185	NM_009549.2	146.47	167.95	143.84	157.92	142.60	203.62	114.11	117.52	110.65	206.59	178.87	158.54	194.73	176.66	153.30	131.53	105.48	110.05	0.48	0.01	0.74	0.02
ILMN_3003076	Carm1	NM_021531.2	184.40	206.63	262.29	219.95	217.42	270.03	154.95	136.56	161.25	282.55	228.71	259.94	297.36	219.01	242.01	170.24	193.75	135.57	0.57	0.05	0.89	0.02
ILMN_2600443	Afmid	NM_027827.2	40.51	62.37	58.48	66.37	68.83	41.57	45.06	35.56	31.72	53.99	53.80	70.35	57.50	51.51	60.54	24.95	25.64	24.66	0.66	0.10	0.66	0.00
ILMN_2717366	Oasl1	NM_145209.3	125.69	135.31	87.98	132.07	149.49	97.36	137.68	81.05	79.93	113.98	113.10	72.66	57.23	77.64	78.85	45.98	60.16	58.03	0.66	0.52	0.13	0.03
ILMN_2784170	Tbl1xr1	NM_030732.2	94.71	109.90	41.98	89.58	99.22	62.90	41.89	41.12	24.09	58.27	74.43	68.11	63.84	68.52	60.64	25.96	26.34	39.66	0.95	0.10	0.64	0.01
ILMN_1233402	LOC100045981	XM_001475298.1	1124.94	1205.31	1595.73	1292.50	1255.13	1702.37	849.76	794.10	1049.87	1521.60	1239.80	1126.74	1421.36	1294.67	1137.68	893.66	766.63	865.55	0.62	0.07	0.94	0.02
ILMN_2609887	Fgfr2	NM_201601.2	84.09	86.16	96.96	79.49	85.01	132.18	95.94	65.98	107.63	109.57	97.48	97.49	79.63	77.88	78.37	79.16	69.18	55.57	0.60	0.96	0.00	0.01
ILMN_2971204	Mlh3	NM_175337.1	96.80	108.79	127.66	97.91	108.98	158.99	88.79	70.98	90.51	127.09	115.67	112.07	106.44	107.79	96.69	73.96	70.97	75.17	0.63	0.06	0.06	0.00
ILMN_2642571	Mxd3	NM_016662.4	86.01	77.35	145.11	92.28	96.99	136.02	59.64	46.78	52.10	124.83	100.38	98.65	112.51	99.13	103.20	49.18	59.96	49.03	0.84	0.08	0.76	0.00
ILMN_2486231	LOC677216	XR_031635.1	37.25	59.93	64.61	44.28	45.64	89.91	31.68	45.37	55.69	68.76	60.57	65.16	87.15	64.19	54.84	28.70	42.11	45.40	0.74	0.43	0.71	0.01
ILMN_2761852	D2Ertd750e	NM_026412.2	124.70	147.71	214.02	145.92	142.73	237.71	120.29	87.11	118.25	202.27	211.95	218.92	158.33	201.48	214.07	147.14	132.57	122.35	0.76	0.14	0.32	0.00
ILMN_1231939	Ccbl2	NM_173763.3	36.80	41.86	31.21	39.91	34.98	43.20	36.80	46.01	33.60	36.80	27.86	46.03	20.00	28.23	37.90	22.03	20.00	20.00	0.52	0.68	0.33	0.04
ILMN_2479530	Zhx1	NM_009572.3	602.65	581.65	440.80	635.86	636.19	476.36	479.49	439.32	354.97	482.40	502.13	499.86	406.62	476.06	524.92	288.01	323.30	324.87	0.61	0.14	0.50	0.00
ILMN_2593554	Igtp	NM_018738.3	223.57	250.23	265.65	221.14	281.81	297.24	213.56	159.27	272.04	197.83	189.31	159.44	203.71	194.62	201.18	125.87	118.59	116.40	0.48	0.42	0.21	0.01
ILMN_2449150	Map4k2	NM_009006	159.14	164.90	144.32	163.56	150.76	190.96	125.99	129.48	140.92	158.89	161.65	173.05	162.17	155.50	149.67	102.18	104.81	103.58	0.41	0.03	0.20	0.00
ILMN_1239319	Entpd6	NM_172117.4	112.27	92.09	137.72	117.69	124.93	120.20	55.03	37.35	87.00	150.37	107.07	97.14	126.67	125.60	125.78	58.34	48.52	46.21	0.63	0.05	0.66	0.02
ILMN_2663230	Slco3a1	NM_023908.2	136.21	165.08	165.99	154.72	146.27	204.16	102.60	90.66	124.90	193.92	207.21	195.31	185.91	184.11	166.45	155.81	120.74	101.82	0.57	0.02	0.06	0.01
ILMN_3004553	Pfkm	NM_021514.2	383.08	442.83	663.83	476.13	435.33	670.30	393.67	343.14	488.12	679.87	604.14	532.34	558.93	526.50	471.47	355.81	353.08	333.53	0.80	0.41	0.16	0.00
ILMN_2758562	Stap2	NM_145934.1	24.92	28.52	63.38	21.80	38.09	66.80	20.00	23.71	58.60	62.24	49.08	57.66	76.14	70.09	52.33	34.77	43.58	26.12	0.86	0.79	0.29	0.03
ILMN_2773705	Prcc	NM_033573.1	60.45	53.20	71.88	67.14	55.37	76.12	36.52	39.28	66.58	76.68	76.19	77.63	88.82	77.39	63.58	41.19	67.14	48.48	0.62	0.26	0.98	0.03
ILMN_2697954	Chd9	NM_177224.1	382.99	387.85	385.58	400.42	443.19	394.48	313.14	246.13	322.96	369.44	296.20	302.70	309.39	296.06	295.82	198.72	182.41	177.90	0.15	0.02	0.40	0.00
ILMN_2695228	2810453I06Rik	NM_026050.1	67.79	102.40	136.14	90.55	90.36	140.44	42.16	42.28	80.30	120.67	91.25	91.91	110.10	95.34	89.09	51.54	53.90	49.83	0.86	0.11	0.80	0.01
ILMN_2770609	LOC100047268	XM_001477774.1	389.60	480.46	435.39	427.43	424.16	545.15	272.79	261.09	368.33	406.30	404.61	425.18	436.23	400.56	345.85	234.79	224.21	249.20	0.56	0.04	0.55	0.00
ILMN_2639642	Arhgef6	NM_152801.1	84.43	64.09	73.26	84.38	71.06	80.10	48.90	54.02	56.60	85.70	66.71	60.48	59.68	62.55	62.38	46.43	36.36	43.93	0.55	0.03	0.28	0.02
ILMN_2964042	Bgn	NM_007542.3	917.30	903.29	878.23	1064.36	1015.33	815.86	761.43	711.28	634.44	712.39	769.54	622.97	603.18	612.16	608.61	411.24	495.51	482.10	0.44	0.01	0.09	0.01
ILMN_1248890	AW011738	XM_489070	52.66	61.98	61.38	76.29	71.37	44.47	29.82	55.47	44.43	37.15	48.63	51.61	50.41	41.40	63.42	25.87	28.50	23.39	0.63	0.13	0.49	0.01
ILMN_1228782	Lphn1	XM_134383.4	140.39	166.98	201.23	143.81	180.11	219.63	96.93	108.10	156.83	195.79	159.44	160.62	180.92	140.75	147.72	104.07	89.75	60.96	0.70	0.13	0.42	0.01
ILMN_2980044	Asah2	NM_018830.1	350.29	350.59	365.25	364.26	366.19	404.99	284.43	261.08	254.53	406.39	433.39	367.47	432.56	309.50	323.06	273.05	236.36	230.16	0.18	0.00	0.34	0.00
ILMN_2826161	Taf12	NM_025579.1	727.44	650.17	1032.63	775.68	716.12	1058.29	522.26	449.69	775.05	1033.31	937.96	910.52	913.53	944.58	941.09	560.57	633.40	595.81	0.78	0.22	0.51	0.00
ILMN_2880623	Nudt1	NM_008637.1	351.08	369.72	196.56	364.63	390.19	215.46	224.61	139.19	130.45	258.28	393.14	394.73	236.16	350.85	291.53	162.07	195.40	155.86	0.83	0.09	0.38	0.02
ILMN_2769877	Reck	NM_016678	175.75	161.09	117.77	165.51	180.94	133.56	120.69	155.14	55.40	123.56	117.38	148.57	95.39	121.53	155.50	48.28	80.27	71.73	0.72	0.29	0.79	0.01
ILMN_2915060	Dgkz	NM_138306.1	163.70	200.68	192.59	218.11	175.54	197.89	138.05	148.11	171.34	219.48	237.68	237.82	208.54	232.23	209.04	139.03	188.25	139.80	0.53	0.09	0.20	0.01
ILMN_1249861	Hexim2	NM_027658.1	40.08	36.64	35.17	34.59	33.15	53.83	33.17	20.00	28.70	50.96	56.32	46.09	34.66	47.50	43.33	20.00	24.73	20.00	0.66	0.07	0.13	0.00
ILMN_2625601	Stard10	NM_019990.4	21.96	34.29	40.19	34.62	20.00	52.14	20.00	20.25	20.00	35.67	41.97	31.53	30.40	35.46	21.39	20.00	20.00	20.00	0.76	0.09	0.23	0.01
ILMN_1229964	Gstz1	NM_010363.3	523.96	651.56	816.89	623.85	627.13	847.74	441.61	368.98	576.74	788.31	738.21	747.61	794.16	740.14	741.57	443.89	480.80	419.09	0.77	0.13	0.98	0.00
ILMN_2538061	Dnajc12	NM_013888.2	161.34	203.26	173.03	176.09	213.06	179.46	121.51	120.43	124.65	193.69	160.40	161.02	199.36	191.14	163.52	93.89	87.03	90.78	0.58	0.01	0.45	0.00
ILMN_3160963	AI316807	NM_001012667.1	430.96	425.88	431.97	453.40	414.81	500.18	315.84	257.03	383.33	509.33	401.49	398.35	414.91	428.61	397.15	284.00	273.55	247.15	0.34	0.04	0.58	0.01
ILMN_2704619	Cc2d2a	NM_172274.1	163.42	189.48	157.52	159.63	182.01	198.98	127.70	101.87	122.07	153.50	115.95	130.83	108.89	115.12	114.00	78.61	50.39	47.95	0.54	0.01	0.13	0.01
ILMN_1226093	Ksr	AK036566	87.45	86.17	84.56	71.21	75.77	139.87	60.10	37.03	83.52	77.11	72.97	82.39	71.38	81.14	66.67	41.46	52.63	40.27	0.69	0.13	0.43	0.00
ILMN_1235374	Decr1	NM_026172.3	145.41	105.33	146.78	129.45	112.82	182.06	96.40	68.82	113.29	169.93	152.96	152.89	169.71	133.53	144.07	98.88	79.92	71.69	0.74	0.10	0.48	0.00
ILMN_3001452	Extl3	NM_018788.2	631.09	563.27	782.35	610.44	613.49	876.80	377.55	344.19	663.52	831.02	664.88	641.65	743.24	697.58	623.07	473.10	414.28	378.80	0.72	0.18	0.74	0.01
ILMN_2530621	LOC224628	XM_148771.1	49.73	28.19	21.46	41.77	41.69	20.39	34.16	20.00	20.00	37.16	31.84	32.40	24.40	30.19	30.73	20.00	20.93	20.52	0.90	0.44	0.11	0.00
ILMN_1244030	1200013P24Rik	NM_029090.3	70.74	77.77	84.89	70.57	67.24	115.68	64.76	37.26	60.85	83.75	85.68	92.55	91.04	75.96	97.57	50.51	60.75	56.85	0.70	0.07	0.91	0.00
ILMN_2587638	C230080E09Rik	AK082664	339.48	316.73	293.98	342.25	327.64	330.75	246.53	177.61	240.07	312.84	313.67	285.97	338.51	285.09	281.95	225.54	184.64	173.99	0.29	0.02	0.92	0.00
ILMN_2644392	Sfxn2	NM_053196.2	126.25	133.29	139.04	136.78	122.59	163.58	79.76	106.19	125.20	162.13	137.98	124.31	124.00	151.35	137.63	90.45	84.29	98.10	0.55	0.10	0.79	0.01
ILMN_2745433	Ergic1	NM_026170.3	2603.95	2479.87	2735.96	2746.62	2470.05	3044.95	1718.18	1813.22	2204.87	2955.74	2475.81	2715.64	2820.82	2528.90	2592.85	1899.02	1672.44	1747.36	0.46	0.01	0.70	0.00
ILMN_1216823	Ubr5	NM_001081359.1	387.15	341.82	316.16	387.90	337.28	372.95	280.96	230.41	290.72	411.21	316.05	281.96	347.50	302.09	279.29	250.12	190.64	173.11	0.53	0.04	0.57	0.04
ILMN_2721789	Slc12a8	NM_001083902.1	141.39	168.02	147.09	152.34	146.17	182.56	118.87	81.46	133.57	162.52	125.05	128.40	145.20	131.48	136.51	100.71	87.89	82.33	0.59	0.08	0.95	0.02
ILMN_1229056	D6Wsu176e	NM_138587.4	2203.62	2309.81	2222.89	2384.23	2313.61	2384.46	1624.32	1617.79	2034.77	2455.39	2071.69	1981.43	2176.24	1950.71	1861.61	1438.94	1427.66	1414.37	0.05	0.03	0.37	0.01
ILMN_2641269	AA536717	NM_172379.1	139.35	129.28	131.77	142.85	136.02	141.94	97.90	136.16	120.58	154.07	130.34	144.19	112.48	131.89	134.68	90.10	108.28	84.15	0.14	0.26	0.17	0.01
ILMN_2812614	Reck	NM_016678.1	113.30	118.11	154.47	136.38	124.80	140.74	100.68	86.49	141.73	131.46	111.66	123.70	121.31	106.52	130.70	99.26	60.90	75.45	0.72	0.42	0.78	0.03
ILMN_2801891	Cygb	NM_030206.1	234.22	242.61	209.88	229.96	258.70	232.15	191.05	218.83	187.09	188.97	235.73	224.35	207.05	206.70	192.10	135.53	125.56	146.61	0.45	0.10	0.39	0.01
ILMN_1239601	LOC637711	XM_913466.2	133.26	112.74	173.17	117.66	124.53	205.48	81.41	92.27	99.91	193.20	194.66	186.35	194.56	185.86	164.18	123.26	97.50	98.66	0.79	0.06	0.35	0.00
ILMN_2647553	Saps2	NM_026813.1	66.69	78.92	112.79	80.06	68.10	125.72	79.85	33.03	84.88	111.62	108.08	87.90	88.56	82.76	84.12	84.96	65.44	54.43	0.83	0.40	0.08	0.04
ILMN_2626432	Nfix	NM_001081981.1	219.22	249.88	319.71	278.94	238.74	303.50	188.00	170.48	211.93	312.85	280.24	316.70	262.00	293.62	288.52	165.58	186.88	154.94	0.77	0.09	0.22	0.00
ILMN_1217576	Evi1	NM_007963.1	113.11	119.43	150.12	123.62	109.55	172.41	68.93	103.79	159.61	136.02	106.25	118.00	104.61	96.92	100.03	90.82	62.75	72.20	0.75	0.59	0.09	0.02
ILMN_2524503	1700105P06Rik	XM_129071	38.80	47.86	47.77	48.57	51.84	40.52	30.63	34.30	25.71	38.75	40.97	44.59	43.62	44.11	43.07	33.31	25.20	20.00	0.66	0.02	0.28	0.02
ILMN_2838871	Sidt2	NM_172257.1	680.62	663.08	924.93	649.36	678.22	1086.85	487.24	437.23	819.59	823.74	813.07	927.70	1047.29	844.56	900.49	501.79	555.89	523.13	0.78	0.30	0.34	0.00
ILMN_1235000	Yif1a	NM_026553.3	497.71	473.82	792.08	478.24	525.91	849.73	387.13	270.88	531.05	805.15	607.41	670.20	685.82	636.73	585.71	413.77	408.26	387.05	0.86	0.21	0.42	0.01
ILMN_1213736	6330406I15Rik	NM_027519.3	3363.62	3196.17	3276.89	3324.41	3345.80	3613.16	3364.31	3367.76	3331.59	3044.31	2633.85	2643.77	2502.72	2138.23	1880.00	1911.98	1800.03	1618.19	0.23	0.20	0.06	0.00
ILMN_1242333	Immp2l	NM_053122.3	347.98	296.03	302.42	337.35	315.32	333.26	270.89	207.22	272.00	345.59	281.53	289.66	329.76	303.35	284.65	208.92	203.87	182.40	0.50	0.07	0.99	0.01
ILMN_1219748	Pxmp2	NM_008993.2	61.87	47.37	60.93	53.88	67.36	55.82	23.56	22.42	47.04	65.31	68.69	64.03	57.19	71.36	54.56	44.58	35.85	43.34	0.73	0.05	0.41	0.00
ILMN_2592093	Ift20	NM_018854.3	838.50	905.44	1120.27	820.22	920.15	1272.74	573.63	558.75	986.83	1234.27	999.58	976.68	1062.39	966.57	1045.17	759.46	691.16	625.72	0.77	0.20	0.63	0.01
ILMN_2977558	Dapk2	NM_010019.2	20.00	22.89	37.76	20.00	20.00	48.73	20.00	20.00	20.00	28.28	36.01	28.26	25.36	20.61	20.00	20.00	20.00	20.00	0.82	0.28	0.05	0.01
ILMN_2498442	Tnip1	NM_021327.1	60.00	53.20	60.61	62.34	54.70	63.91	37.94	51.08	69.46	50.79	81.36	61.04	48.70	62.10	60.53	38.36	35.03	39.66	0.56	0.62	0.50	0.04
ILMN_2524861	Chd3	NM_146019.1	106.41	115.20	103.32	103.71	116.84	117.75	81.27	67.40	80.10	143.60	127.91	134.32	124.67	115.70	115.83	89.28	75.63	88.70	0.48	0.00	0.04	0.00
ILMN_2743139	Suclg2	XM_985084.1	186.19	194.33	207.46	188.70	179.30	249.83	143.86	116.74	200.94	203.37	168.39	154.31	203.58	146.93	180.74	108.44	100.48	102.61	0.69	0.17	0.94	0.01
ILMN_1228200	Casp12	AK046681	29.58	40.92	33.02	37.55	42.78	28.00	29.93	24.14	20.00	32.73	37.37	28.46	39.12	37.09	27.51	20.00	20.00	20.00	0.78	0.09	0.72	0.01
ILMN_2679502	Pbrm1	NM_001081251.1	36.45	49.09	44.86	37.43	44.71	53.76	59.26	52.60	47.06	62.80	61.96	63.60	61.75	53.75	49.39	30.16	47.82	46.68	0.78	0.14	0.10	0.02
ILMN_1231658	Commd1	NM_144514.2	2386.96	2524.05	2638.56	2616.52	2611.89	2605.37	1829.80	1699.19	1880.92	2765.81	2576.33	2852.22	2711.99	2594.58	2545.15	1867.44	1791.50	1621.02	0.26	0.00	0.30	0.00
ILMN_1221251	1110012D08Rik	NM_178066.2	825.67	779.99	891.70	819.49	812.96	963.81	586.25	494.68	626.75	939.87	880.83	895.82	930.76	914.38	1073.26	587.73	647.93	541.80	0.61	0.01	0.28	0.00
ILMN_1234641	6720463M24Rik	NM_175265.4	541.17	612.06	631.39	565.43	592.72	694.52	456.02	338.44	409.85	685.17	505.57	526.68	695.86	538.97	571.88	388.39	331.10	378.65	0.66	0.01	0.71	0.03
ILMN_2812084	Rcbtb2	NM_134083.2	150.94	193.23	219.90	194.07	176.63	207.98	131.48	127.59	140.94	206.49	185.68	180.29	201.89	173.51	173.73	129.59	99.94	90.97	0.84	0.06	0.56	0.00
ILMN_2669461	Bbx	NM_027444.2	298.21	310.48	323.16	309.79	303.06	353.81	203.23	245.65	285.09	306.11	297.28	309.50	301.25	302.54	269.11	197.17	192.91	188.85	0.54	0.06	0.31	0.00
ILMN_2937542	Col18a1	NM_009929.2	48.14	62.85	37.84	37.51	60.02	56.26	43.39	28.59	34.50	63.68	71.03	68.24	52.65	54.77	59.44	55.84	34.84	40.88	0.88	0.17	0.01	0.02
ILMN_2875938	Pccb	NM_025835.1	333.31	344.47	391.36	321.92	360.13	428.79	298.68	241.25	275.38	436.34	341.86	348.17	397.11	340.47	318.89	240.26	262.52	193.02	0.72	0.03	0.58	0.02
ILMN_1219146	Cops7a	AK008474	83.63	96.95	93.59	85.02	111.56	88.13	53.73	76.04	56.74	82.57	104.63	85.76	91.53	81.77	79.02	57.45	64.14	43.29	0.72	0.02	0.43	0.02
ILMN_2426115	2310024N18Rik		314.52	320.83	310.97	321.83	339.57	316.22	185.30	200.72	257.20	327.98	294.65	295.46	259.35	278.41	251.67	218.91	194.29	186.16	0.24	0.01	0.03	0.00
ILMN_1225300	Slc25a29	NM_181328.2	20.00	38.04	24.22	20.00	20.21	50.13	20.00	20.00	26.57	34.22	34.81	35.69	37.04	28.54	33.68	28.16	20.00	21.90	0.82	0.42	0.51	0.01
ILMN_2762509	Ncdn	NM_011986.2	180.96	170.48	190.40	171.96	177.91	210.93	121.63	133.55	204.50	177.74	192.68	167.15	194.68	167.32	178.87	130.87	130.94	97.09	0.66	0.36	0.92	0.01
ILMN_2645368	1700065O13Rik	NM_028543.3	448.78	413.83	340.76	405.63	392.11	436.66	341.97	196.70	248.20	324.76	266.24	337.07	406.73	332.14	313.21	225.86	169.53	172.70	0.78	0.06	0.31	0.01
ILMN_3136744	Sesn1	NM_001013370.1	1796.11	1673.57	1316.35	1787.52	1820.06	1332.30	1300.03	1048.67	704.95	1065.49	1570.59	1425.65	1182.96	1456.46	1365.61	632.07	758.93	723.51	0.82	0.06	0.92	0.01
ILMN_2634777	Rbms3	NM_178660.2	733.93	768.90	557.38	742.08	773.15	599.78	532.88	481.34	407.59	502.66	553.11	571.33	624.22	618.03	698.29	299.57	297.36	328.56	0.84	0.05	0.03	0.00
ILMN_2748271	Tmem164	NM_177592.3	56.20	83.58	90.96	68.57	74.61	91.22	31.22	34.82	65.18	93.98	60.60	73.80	87.32	83.26	80.59	48.77	40.54	45.51	0.93	0.09	0.49	0.04
ILMN_2642158	Atp5s	NM_026536.1	358.14	360.23	451.37	363.61	387.82	450.80	263.89	228.63	357.02	470.95	403.21	461.18	460.62	397.26	423.12	286.20	262.59	251.46	0.80	0.10	0.55	0.00
ILMN_3160574	4833442J19Rik	NM_177101.4	219.02	257.61	159.44	289.78	294.68	114.78	186.03	124.97	65.30	140.42	158.57	185.51	146.03	160.10	185.05	60.88	71.74	88.60	0.76	0.13	0.90	0.00
ILMN_1215305	Pcaf	NM_020005.3	152.34	119.49	126.59	140.09	129.76	138.02	93.34	106.76	110.15	140.84	133.80	125.86	120.35	124.33	104.33	72.61	102.77	73.21	0.78	0.06	0.08	0.01
ILMN_1230878	H2-T10	NM_010395.5	270.07	274.60	300.20	283.92	270.39	315.68	185.78	224.64	231.28	304.88	331.14	298.82	298.82	278.74	282.20	189.52	220.23	204.24	0.64	0.02	0.10	0.00
ILMN_1213656	9530025L16Rik	NM_175256	126.09	137.82	46.69	143.04	153.24	40.27	62.94	44.66	20.00	71.71	87.84	83.88	90.25	74.73	89.92	20.00	22.13	31.30	0.86	0.12	0.62	0.00
ILMN_2959956	Mmab	NM_029956.2	171.12	188.54	233.42	213.19	164.88	233.04	112.92	102.66	177.06	223.10	217.38	215.46	247.86	227.76	229.17	146.42	157.59	123.39	0.84	0.09	0.08	0.00
ILMN_2972149	Mtx1	NM_013604.1	315.13	296.27	357.88	318.27	281.95	402.86	246.17	201.55	295.16	427.78	360.79	369.28	392.49	355.47	366.36	231.69	254.56	240.11	0.79	0.08	0.57	0.00
ILMN_2434685	5530401N12Rik		45.52	57.18	71.71	49.01	53.17	77.43	20.00	27.78	51.63	47.84	53.81	48.46	52.83	52.03	48.84	24.70	20.29	21.68	0.89	0.11	0.62	0.00
ILMN_2675922	2310047A01Rik	XM_908180.3	4016.22	3875.27	3500.91	3911.22	3894.77	3860.53	2915.56	2337.42	2521.47	3531.42	3447.76	2937.80	3398.30	3491.40	3327.91	1864.00	2086.02	1909.48	0.59	0.01	0.63	0.00
ILMN_2713071	Fads2	NM_019699	148.09	127.81	232.35	147.79	119.37	269.04	78.80	82.07	174.47	248.27	216.74	236.39	244.33	214.70	189.83	163.01	153.56	135.69	0.88	0.27	0.39	0.00
ILMN_1241588	Tor2a	AK019246	43.32	58.28	66.45	52.99	61.80	55.21	36.64	29.42	45.59	67.34	62.59	46.65	50.92	52.60	70.82	29.17	35.47	44.12	0.93	0.08	0.94	0.04

ILMN_2675674	BC018371	NM_153807.1	101.02	98.33	113.79	116.79	94.66	110.17	74.46	71.94	79.35	110.83	128.93	130.36	134.40	105.47	125.51	83.12	82.63	80.23	0.75	0.01	0.89	0.00
ILMN_2885277	Nnmt	NM_010924.1	468.85	440.27	349.88	455.95	481.85	352.78	346.22	269.68	294.66	255.14	326.88	297.09	284.40	315.07	289.36	215.01	174.68	176.09	0.85	0.05	0.89	0.01
ILMN_2721966	Cdc37	NM_016742.4	172.02	138.76	232.56	166.55	163.14	219.01	103.02	95.90	114.39	213.50	218.74	178.17	171.99	184.37	173.44	151.21	127.40	121.21	0.96	0.05	0.11	0.01
ILMN_2479290	Fas	NM_007987.1	374.87	375.32	385.55	423.62	391.66	350.36	335.22	354.43	340.56	338.77	323.77	306.28	409.24	349.15	316.42	235.15	221.37	178.14	0.67	0.01	0.29	0.00
ILMN_2637052	Rad23a	NM_009010.2	49.33	82.05	54.02	52.56	57.68	77.17	58.25	42.32	37.17	74.51	77.04	63.48	60.65	68.89	72.37	42.36	49.22	38.88	0.96	0.26	0.47	0.01
ILMN_2793062	Rasl11b	NM_026878.1	273.89	280.79	332.61	294.32	259.59	358.13	183.06	190.75	276.46	322.69	329.84	284.43	296.72	257.55	220.05	237.47	180.38	165.99	0.82	0.09	0.11	0.01
ILMN_1246764	4632404H22Rik	NM_030167.2	237.78	302.50	282.60	255.84	277.47	305.85	198.73	200.44	209.95	292.03	243.59	213.02	325.58	238.49	242.02	148.61	145.63	129.44	0.83	0.02	0.63	0.01
ILMN_1259400	ENSMUSG000000	XM_001480835.1	492.83	525.98	678.67	491.66	534.37	714.40	345.72	258.97	460.84	740.31	584.70	607.29	636.02	543.22	505.17	368.94	349.54	285.56	0.88	0.06	0.25	0.00
ILMN_1256705	9030607L17Rik	NM_027829.1	24.88	29.04	37.21	20.00	23.34	61.43	20.00	20.00	22.29	50.12	33.58	38.03	45.87	37.58	27.65	29.15	20.00	21.36	0.76	0.06	0.65	0.04
ILMN_1233283	P2rx5	NM_033321.1	105.83	86.83	129.63	93.34	98.15	138.57	59.97	48.48	84.97	134.68	133.96	129.78	121.03	108.76	98.30	89.00	80.20	63.11	0.90	0.06	0.03	0.00
ILMN_2632076	Ctps2	NM_018737.2	206.09	218.33	233.68	213.90	196.66	266.17	148.11	139.97	182.89	259.81	214.50	210.80	254.66	200.74	202.42	157.48	153.56	134.41	0.80	0.02	0.72	0.01
ILMN_2941715	Upk3b	NM_175309.3	42.48	64.54	88.74	85.89	70.74	42.58	48.15	40.30	83.07	42.81	49.87	42.94	31.79	30.20	35.86	34.48	24.56	28.98	0.95	0.69	0.01	0.01
ILMN_2760417	Mxd4	NM_010753.2	284.55	303.67	408.17	320.04	311.11	375.83	244.07	189.17	282.02	368.99	379.66	383.49	370.66	363.02	357.88	262.63	265.65	221.24	0.94	0.12	0.08	0.00
ILMN_1246927	Ndufa11	XM_924988.3	2509.92	2669.32	3357.09	2672.54	2738.87	3255.27	2084.86	1944.06	2470.17	3198.78	3531.92	3626.70	3068.19	3276.97	3491.32	2198.21	2415.71	2250.48	0.90	0.09	0.39	0.00
ILMN_2907115	Tsr2	NM_175146.2	253.66	224.12	226.15	253.04	262.71	204.81	158.83	194.99	162.39	207.59	240.97	204.30	212.37	215.59	206.31	136.18	149.63	143.37	0.80	0.01	0.63	0.00
ILMN_1233999	Ppp3cc	AK015002	132.66	133.87	108.32	118.96	147.20	116.28	131.66	105.48	100.46	148.07	112.90	124.46	109.58	104.36	99.30	69.36	78.70	54.44	0.85	0.39	0.09	0.01
ILMN_2625920	Aoc3	NM_009675.1	327.66	401.82	404.89	374.66	355.99	422.76	279.58	246.61	313.61	308.32	307.73	288.00	269.15	228.87	216.21	204.65	165.45	165.49	0.85	0.04	0.02	0.00
ILMN_1230447	Matn2	AK035102	1464.83	1521.26	1249.92	1481.58	1475.09	1344.91	1017.38	919.97	905.80	1225.69	1541.54	1444.61	1173.27	1279.76	1254.12	611.99	760.06	663.49	0.83	0.01	0.16	0.00
ILMN_2480669	Aak1	NM_001040106.2	31.00	22.54	36.32	29.66	26.41	34.16	20.00	20.00	20.00	42.27	33.82	27.53	29.79	29.27	24.75	20.00	20.00	20.00	0.98	0.07	0.22	0.03
ILMN_2647331	Nfatc4	NM_023699.2	38.50	35.22	68.66	39.21	57.44	43.42	26.53	32.00	22.24	69.56	60.99	71.85	71.12	68.74	74.21	20.00	27.50	34.21	0.95	0.14	0.35	0.00
ILMN_2701778	Itga11	NM_176922.4	92.26	96.54	112.65	102.50	126.97	80.83	82.32	61.93	66.51	110.14	86.20	86.06	75.34	55.15	61.78	67.24	58.85	36.56	0.85	0.03	0.04	0.03
ILMN_2637440	Saps2	NM_026813.1	83.50	76.37	105.69	77.79	82.07	110.56	81.73	65.69	96.58	124.69	94.64	102.02	113.48	96.02	95.96	82.41	71.30	46.24	0.91	0.60	0.65	0.04
ILMN_3020829	Npm3	NM_008723.1	8165.52	8357.82	10274.27	8059.29	8389.96	10859.78	5389.50	5639.38	7010.06	10529.50	9721.03	10663.90	10384.70	9238.40	9860.42	7409.66	6784.45	6166.96	0.89	0.03	0.34	0.00
ILMN_2778195	Nin	NM_008697.2	220.99	232.49	207.19	196.54	236.09	239.98	147.44	128.85	167.22	304.08	240.55	244.81	224.96	205.98	208.37	213.12	170.98	137.38	0.81	0.01	0.08	0.04
ILMN_2441534	Rsph1	NM_025290.3	90.21	120.01	132.94	99.54	105.47	143.36	84.19	59.97	100.51	158.89	151.15	126.22	128.61	147.37	122.78	102.98	79.77	89.42	0.93	0.13	0.37	0.01
ILMN_2802263	Cnp	NM_009923.1	76.14	94.70	107.59	95.48	94.38	89.92	79.96	50.10	46.40	105.26	105.86	89.22	83.48	94.46	88.04	52.38	63.95	49.24	0.96	0.07	0.14	0.00
ILMN_2885982	Trpt1	NM_153597.1	408.08	399.32	558.68	443.29	396.49	539.19	311.76	270.18	358.37	550.83	504.06	487.50	492.79	494.38	445.32	313.85	308.98	233.18	0.95	0.07	0.21	0.00
ILMN_2878274	Copz2	NM_019877.1	3642.61	3886.95	4030.76	3855.57	3708.79	4150.32	2837.76	2514.92	3326.11	4276.32	3535.53	3491.17	3717.86	3788.24	3827.88	2965.77	2334.97	2193.27	0.78	0.02	0.97	0.02
ILMN_2618329	Mar-02	NM_145486.4	338.73	337.32	497.86	351.86	314.56	534.42	261.87	203.51	406.56	499.91	442.07	431.38	447.06	427.20	475.87	316.06	297.85	278.51	0.92	0.28	0.78	0.00
ILMN_2622057	Tsen2	NM_199033.1	380.91	370.44	350.35	367.08	332.66	420.82	274.26	226.98	291.32	404.87	320.01	409.39	396.18	392.46	411.33	229.37	263.50	219.98	0.83	0.01	0.50	0.01
ILMN_2441482	8430429K09Rik		153.81	136.06	113.95	129.82	130.57	145.78	110.86	83.39	86.16	116.28	132.87	143.04	125.76	122.84	117.94	86.80	100.29	70.29	0.95	0.05	0.35	0.02
ILMN_1252302	Taf6	NM_009315.3	136.83	186.64	132.97	161.58	157.30	138.06	123.13	134.16	91.78	137.76	165.46	188.64	150.70	182.65	179.48	112.75	108.03	102.68	0.99	0.17	0.72	0.02
ILMN_1244977	H2-DMb1	NM_010387.2	464.01	479.56	597.80	493.46	478.93	579.34	403.51	332.85	492.83	492.03	458.04	461.56	436.81	428.73	457.80	252.45	315.55	271.50	0.95	0.17	0.10	0.00
ILMN_2878071	Lyz	NM_013590.2	385.42	317.37	268.65	341.24	281.59	351.53	214.82	229.67	198.86	247.63	224.78	196.51	271.26	220.19	197.49	153.72	140.16	145.24	0.98	0.04	0.81	0.01
ILMN_2648746	Bckdk	NM_009739.3	963.64	1099.24	1279.05	974.92	1006.56	1418.24	742.49	654.64	892.81	1388.75	1208.61	1257.49	1213.46	1317.77	1222.89	828.31	733.12	712.84	0.91	0.04	0.62	0.00
ILMN_2713969	B9d1	NM_013717.2	693.11	700.28	895.56	717.89	675.67	919.25	488.97	392.29	648.98	874.68	831.98	795.32	882.67	856.72	792.86	619.48	508.78	507.98	0.94	0.06	0.79	0.00
ILMN_3103233	Gng7	NM_010319.3	345.38	367.61	375.89	334.69	354.93	412.05	274.68	236.79	335.20	334.26	317.26	323.95	355.20	274.91	333.97	231.59	183.58	181.93	0.87	0.05	0.88	0.00
ILMN_2800505	Dlx1	NM_010053.1	533.83	486.67	594.21	556.52	516.38	549.93	394.07	415.23	503.06	566.51	522.93	573.73	506.70	511.37	536.15	354.88	374.46	358.08	0.94	0.09	0.12	0.00
ILMN_2620603	Smyd4	NM_177009.3	392.76	415.28	265.66	407.44	428.51	253.87	254.24	268.55	160.27	251.87	221.70	263.04	275.25	258.45	294.96	161.04	161.28	148.85	0.94	0.09	0.13	0.00
ILMN_1250135	A930005H10Rik		468.12	442.44	488.50	436.86	506.32	467.69	322.86	276.86	357.45	446.66	490.81	489.24	433.09	486.74	458.04	277.58	291.30	311.02	0.88	0.01	0.49	0.00
ILMN_2991545	D10Jhu81e	NM_138601.1	794.68	808.41	949.85	801.38	776.69	1001.85	601.09	618.27	870.20	932.23	864.92	871.56	921.85	904.36	924.15	601.94	640.01	516.63	0.92	0.20	0.29	0.00
ILMN_2601378	Tmem205	NM_178577.4	478.36	450.62	548.43	484.93	486.85	510.32	347.83	327.01	388.05	557.21	530.78	568.72	513.14	557.58	587.98	375.01	374.14	350.85	0.96	0.02	0.98	0.00
ILMN_2764301	Mmab	NM_029956.3	326.69	297.78	348.99	330.90	315.32	331.31	178.58	228.66	290.38	336.46	325.27	311.25	362.63	335.70	338.82	201.87	177.58	177.74	0.94	0.06	0.13	0.00
ILMN_1258526	Lgals3bp	NM_011150.2	1282.50	1301.04	1374.24	1156.55	1330.90	1511.66	905.02	909.54	1066.14	1040.53	1012.73	1027.45	1202.59	1047.26	1090.94	699.40	744.87	612.27	0.90	0.00	0.14	0.00
ILMN_2755492	D6Wsu176e	NM_138587.3	1767.95	1729.87	1516.29	1838.26	1900.57	1346.65	1192.94	1246.05	1104.32	1599.93	1645.17	1419.19	1396.61	1422.65	1308.52	1006.43	955.73	1090.30	0.91	0.01	0.08	0.00
ILMN_1256917	Slc30a9	NM_178651	27.45	34.68	22.93	20.00	20.00	55.35	20.00	20.00	21.05	33.88	37.88	27.14	26.01	27.00	41.38	20.00	20.00	20.00	0.79	0.08	0.81	0.01
ILMN_2605941	Gnpat	NM_010322.2	216.38	231.10	313.46	233.01	251.45	270.92	171.22	179.23	200.46	294.88	288.07	299.75	245.60	273.22	264.02	202.18	188.65	193.25	0.96	0.09	0.02	0.00
ILMN_2946817	BC002163	NR_002445.2	2173.66	2374.66	2925.27	2408.14	2322.13	2734.02	1752.05	1641.34	2279.07	2731.65	2696.69	2972.60	2763.63	2687.00	2659.94	1662.79	1941.36	1885.98	0.99	0.11	0.35	0.00
ILMN_2951120	Wbp1	NM_016757.1	271.18	290.29	294.73	274.42	262.46	326.04	209.24	160.26	252.47	303.77	418.69	405.35	353.44	401.64	375.99	257.91	252.33	207.12	0.92	0.05	0.98	0.03
ILMN_1216842	Aifm2	NM_001039194.2	40.05	30.42	69.79	33.76	31.73	80.26	28.13	20.45	57.12	113.01	68.60	84.26	70.95	48.69	65.14	60.01	34.20	30.63	0.93	0.52	0.14	0.04
ILMN_2763871	Son	NM_019973.2	180.85	175.03	175.45	185.51	206.18	146.63	163.02	145.87	132.91	231.55	199.76	179.77	158.60	168.21	180.24	123.69	123.20	129.71	0.90	0.03	0.10	0.01
ILMN_2764309	Dusp14	NM_019819.3	339.62	340.93	219.00	310.46	381.88	215.86	222.62	229.86	175.56	251.86	319.61	332.29	277.83	298.52	305.58	154.87	211.83	207.80	0.97	0.11	0.80	0.02
ILMN_1229993	Dnajc12	NM_013888.2	227.04	233.98	320.43	224.80	234.69	325.58	161.80	192.10	282.59	215.99	273.48	262.07	291.73	289.84	279.75	172.21	146.06	134.94	0.98	0.36	0.11	0.01
ILMN_2803249	Inmt	NM_009349.1	58.90	43.50	89.58	56.82	61.47	66.27	20.00	23.65	73.86	33.82	39.36	31.48	38.45	23.31	27.75	20.00	27.09	20.00	0.87	0.32	0.38	0.02
ILMN_2946119	Cln6	NM_001033175.1	23.29	20.00	37.23	27.02	30.81	20.99	20.00	20.00	36.51	31.65	35.70	43.56	20.00	37.37	54.65	20.00	20.00	20.00	0.93	0.87	0.97	0.01
ILMN_1252510	4930577N17Rik		138.02	133.36	177.74	137.68	138.37	172.67	111.28	94.25	126.17	178.55	124.49	159.28	176.21	135.99	132.01	111.60	97.95	73.65	0.99	0.08	0.79	0.04
ILMN_2859254	Haghl	NM_026897.1	486.46	471.49	712.66	420.20	499.92	781.34	380.10	413.99	525.85	685.31	596.73	649.01	657.50	690.55	637.79	473.66	430.60	380.61	0.94	0.26	0.58	0.00
ILMN_1240891	Trp53rk	NM_023815.4	31.80	39.16	56.61	22.26	42.24	75.16	21.55	20.00	59.87	37.04	47.54	41.08	39.38	37.28	37.71	20.00	23.90	29.72	0.82	0.59	0.29	0.01
ILMN_1218452	Es2el	NM_022408	152.92	166.80	150.15	152.35	157.14	160.37	110.50	115.92	102.20	189.31	154.59	151.75	172.13	144.72	144.01	105.19	108.92	85.29	1.00	0.00	0.49	0.01
ILMN_2474011	Nxn	NM_008750.4	646.31	666.54	487.83	611.51	652.05	528.03	475.16	417.91	358.00	557.23	635.46	535.36	529.94	574.22	478.57	378.15	354.35	375.37	0.97	0.05	0.30	0.00
ILMN_2879102	Gjb3	NM_008126.1	1317.20	1131.12	1167.84	1193.68	1102.75	1322.05	824.77	834.05	936.84	1471.64	1547.62	1600.03	1155.66	1292.03	1334.43	1097.15	1015.29	944.79	0.99	0.01	0.01	0.00
ILMN_2741614	Smo	NM_176996.3	213.44	240.47	262.41	214.25	224.88	278.61	177.40	126.71	200.27	306.78	282.65	267.10	248.01	252.65	243.83	189.20	189.37	181.13	0.99	0.05	0.03	0.00
ILMN_2736690	2210411K11Rik	NM_029384.1	188.25	237.28	306.11	203.37	192.28	348.25	161.15	115.87	262.74	349.42	304.29	346.04	359.29	297.70	330.10	237.86	232.75	191.91	0.95	0.31	0.86	0.01
ILMN_2599145	LOC100044159	XM_001471713.1	68.93	36.07	70.34	32.37	55.73	96.47	23.37	37.11	35.50	69.22	69.39	76.51	57.97	55.79	73.15	30.60	33.82	30.44	0.89	0.09	0.19	0.00
ILMN_2697652	Chd4	NM_145979.2	224.94	289.98	347.10	252.50	252.57	352.49	154.61	155.38	246.57	282.15	290.93	296.48	311.83	258.75	233.18	182.58	194.55	195.63	0.98	0.09	0.40	0.00
ILMN_1252673	Cugbp2	NM_010160.2	2472.25	2122.27	2261.86	2359.61	2181.38	2273.02	1796.87	1628.69	1538.38	2216.46	1907.42	1898.44	1995.25	1819.25	1890.78	1517.74	1045.27	1183.58	0.91	0.01	0.42	0.01
ILMN_2631014	Pias3	NM_146135.1	644.74	649.87	542.24	678.09	705.90	467.52	394.64	396.02	431.68	476.86	563.87	597.65	495.44	578.57	540.16	346.60	353.18	371.89	0.96	0.01	0.86	0.01
ILMN_1235114	Chd9	XM_284439	390.70	382.55	343.52	373.94	359.82	375.40	298.80	281.09	293.45	333.15	307.45	304.60	300.51	271.60	263.44	215.48	183.67	183.70	0.88	0.01	0.06	0.00
ILMN_2757283	Clcnkb	NM_019701.1	30.29	42.39	49.15	33.43	29.57	62.65	39.46	20.00	39.34	55.06	47.43	32.08	39.42	37.77	28.64	20.00	25.08	22.58	0.92	0.42	0.27	0.03
ILMN_1217842	Bace1	NM_011792.4	1811.11	1923.53	1197.20	1824.51	1743.36	1284.30	1280.55	1155.48	1054.91	1357.98	1481.40	1459.72	1515.05	1500.54	1466.97	1020.51	797.24	970.12	0.93	0.11	0.21	0.00
ILMN_2628175	Tsen34	NM_024168.1	1367.16	1469.52	1784.85	1481.45	1364.29	1734.20	1034.85	993.45	1367.50	1819.98	1680.64	1871.93	1735.47	1724.04	1698.07	1174.92	1162.63	1068.29	0.94	0.08	0.29	0.00
ILMN_2976191	Stat5a	NM_011488.2	231.39	217.71	276.56	231.74	247.50	237.06	182.46	171.57	190.71	242.02	267.07	241.84	201.76	220.29	212.52	167.25	165.15	119.89	0.87	0.03	0.02	0.00
ILMN_1212605	1500011K16Rik	XR_035441.1	134.97	119.45	202.49	121.37	124.10	211.50	74.78	61.90	97.25	187.88	155.63	157.31	170.38	166.94	171.85	116.70	89.27	79.49	1.00	0.05	0.81	0.01
ILMN_1224551	C030046I01Rik	NM_177994.4	115.59	126.40	56.81	114.50	133.14	53.13	64.35	75.56	20.00	65.54	73.97	74.11	72.42	70.94	104.25	40.89	44.13	43.76	0.98	0.17	0.37	0.00
ILMN_2538852	LOC384307	XM_357558.1	383.48	365.03	409.81	420.93	380.73	348.29	268.55	284.32	267.44	407.64	398.53	428.26	415.51	375.69	389.46	272.05	259.03	250.29	0.92	0.00	0.29	0.00
ILMN_1223361	Tomm40	NM_016871	100.26	115.92	132.85	107.12	96.26	145.64	113.41	74.26	72.18	130.00	141.21	134.31	129.85	122.10	121.98	89.32	100.67	76.87	1.00	0.14	0.07	0.00
ILMN_2908855	Gnai2	NM_008138.3	1878.49	1884.47	1651.82	1782.61	1944.84	1639.86	1360.63	1184.54	1243.39	2035.70	1859.75	2012.46	1879.82	1758.56	2010.44	1359.56	1295.62	1277.88	0.90	0.00	0.40	0.00
ILMN_2847906	Sh3tc1	NM_194344.1	25.21	26.69	55.74	39.48	21.06	43.79	21.92	20.00	29.72	75.73	48.80	53.76	38.51	42.76	28.03	38.96	24.84	24.72	0.93	0.31	0.07	0.03
ILMN_1214500	Rgma	NM_177740.4	720.69	739.98	403.82	745.64	772.19	362.70	615.78	484.86	275.24	413.38	384.44	450.22	438.70	351.46	429.41	286.72	254.56	259.72	0.98	0.33	0.79	0.00
ILMN_2638977	Cog7	NM_001033318.3	52.92	41.11	48.57	29.01	53.85	65.57	49.76	32.02	68.43	66.72	64.80	54.05	56.46	43.12	71.31	45.41	37.62	31.24	0.87	0.83	0.62	0.01
ILMN_2454307	Ap3m1	NM_018829	204.81	187.92	131.16	176.85	181.52	152.01	83.92	137.59	90.73	141.01	183.30	176.81	172.74	158.55	181.51	130.02	88.30	105.77	0.86	0.07	0.80	0.03
ILMN_2569683	D130078K04Rik	AK051779	86.61	88.33	74.35	86.56	94.24	67.34	58.97	77.76	44.49	101.53	94.10	90.75	73.40	77.46	80.90	39.48	48.92	56.08	0.97	0.10	0.01	0.00
ILMN_2785454	Hist2h2ab	NM_178213.3	1291.61	1397.99	821.23	1223.72	1261.49	925.00	629.34	805.30	449.15	1087.97	1132.39	1214.67	976.24	1171.70	1286.32	556.45	725.17	737.78	0.88	0.06	1.00	0.00
ILMN_2547125	2810474C18Rik	XM_001478517.1	27.35	35.21	38.50	37.67	26.43	35.86	26.58	32.65	20.00	41.27	37.53	29.07	25.80	32.52	28.90	20.00	22.35	24.07	0.94	0.21	0.17	0.02
ILMN_1229110	Mrpl33	NM_025796.2	7745.68	7103.76	7229.88	7211.81	6920.13	7671.39	5057.79	4596.33	5415.78	8045.21	8616.84	8344.73	7886.34	8244.27	8026.21	5760.57	5342.41	5373.64	0.77	0.00	0.22	0.00
ILMN_2594066	2210417D09Rik	NM_025620.2	541.94	516.78	629.20	523.75	502.55	643.51	293.67	331.23	512.42	464.51	507.82	490.43	549.37	466.29	431.44	307.48	322.05	311.62	0.92	0.07	0.90	0.00
ILMN_1245008	Gin1	AK018404	467.62	540.47	679.26	498.80	525.77	629.08	381.69	366.72	598.72	696.48	620.33	624.23	718.38	657.34	587.88	448.89	426.97	412.93	0.89	0.31	0.88	0.00
ILMN_1213858	Itgb3bp	NM_026348.3	1749.47	1691.20	1991.46	1602.16	1758.45	2008.24	1325.66	1131.30	1533.67	2098.09	2002.07	1854.13	1865.54	2064.94	1801.29	1405.61	1229.77	1196.76	0.89	0.03	0.52	0.00
ILMN_1227889	Pias3	NM_146135.1	702.98	710.97	792.72	677.44	721.29	777.94	567.32	475.59	700.24	802.80	754.92	808.93	699.95	722.79	748.12	411.67	531.87	476.68	0.82	0.10	0.04	0.00
ILMN_2554000	5930429A15Rik	AK031203	382.67	334.74	250.94	341.49	378.88	237.79	239.37	203.76	120.06	247.63	358.79	339.26	294.77	301.49	325.56	147.86	152.72	169.74	0.96	0.06	0.83	0.01
ILMN_3142803	Cxcl10	NM_021274.1	271.55	236.38	276.04	252.74	238.26	281.08	192.02	252.16	325.51	341.69	297.79	261.44	207.13	225.88	180.89	185.20	181.42	173.26	0.83	0.91	0.02	0.01
ILMN_2518744	Wnk4	NM_175638.2	131.80	142.47	99.81	131.58	140.83	96.56	109.81	135.89	62.85	102.85	106.72	117.89	77.04	115.84	102.48	83.22	65.52	68.37	0.93	0.43	0.43	0.01
ILMN_2642517	6330406I15Rik	NM_027519.1	2876.52	2931.08	2637.32	2920.32	2695.22	2687.02	3293.98	2754.54	2708.29	2356.42	2419.77	2269.44	2023.95	1897.05	1686.33	1578.79	1568.05	1469.86	0.71	0.64	0.01	0.00
ILMN_2956973	Lpcat2	NM_173014.1	134.26	123.51	115.01	141.25	116.55	109.91	95.60	101.71	101.43	118.98	100.54	124.95	95.73	78.98	76.46	79.65	60.85	70.98	0.89	0.01	0.03	0.01
ILMN_2776922	Glrx1	NM_053108	1641.00	1617.22	904.58	1683.44	1743.43	772.48	815.57	975.14	439.48	812.49	821.62	917.28	931.37	911.03	835.70	415.28	484.45	506.35	0.98	0.09	0.40	0.00
ILMN_2822934	Podnl1	NM_001013384.1	80.42	101.73	47.29	62.17	77.43	75.86	44.56	35.24	61.39	78.85	72.72	86.78	60.94	67.49	62.70	33.59	46.24	32.72	0.79	0.17	0.03	0.00
ILMN_1257525	Cpeb3	NM_198300.2	255.82	250.67	293.72	238.13	246.29	303.17	193.06	196.76	289.10	287.48	262.40	262.69	292.02	267.22	260.51	191.05	158.27	165.30	0.87	0.30	0.86	0.00
ILMN_3134632	Adam22	NM_001007220.2	490.94	420.84	509.66	431.44	456.29	503.92	289.54	310.17	392.32	591.65	450.26	503.88	560.86	472.67	436.92	319.68	323.96	272.53	0.79	0.03	0.67	0.01
ILMN_1219778	Znf512b	XM_977462.2	890.16	837.67	977.42	874.98	873.45	895.97	609.33	623.42	731.88	891.49	1035.43	888.76	921.06	913.32	827.36	595.74	680.17	532.90	0.65	0.01	0.42	0.01
ILMN_2547803	1700095J19Rik	AK007085	98.52	85.46	38.18	84.04	99.40	36.15	37.30	62.23	20.00	47.74	57.33	52.09	43.82	38.73	56.97	26.18	37.91	39.62	0.98	0.20	0.39	0.02
ILMN_3125814	Acsl6	NM_001033597.1	21.89	21.70	37.10	20.00	20.00	41.30	20.00	20.00	20.00	33.70	31.71	25.77	32.76	30.12	20.00	20.00	20.00	20.00	0.98	0.25	0.58	0.01
ILMN_2697760	Nkx2-3	XM_129268.4	123.92	137.92	133.53	128.25	119.28	139.88	106.41	108.64	67.73	141.36	109.85	99.64	123.87	107.13	101.87	85.98	61.80	63.66	0.73	0.05	0.69	0.03
ILMN_1225912	A230083H22Rik	XR_035391.1	72.58	75.03	116.23	72.17	72.71	112.98	40.21	41.76	64.44	114.04	87.36	99.69	69.86	83.36	86.89	71.33	60.02	50.16	0.92	0.07	0.09	0.02
ILMN_1224607	D930046M13Rik		40.51	25.92	30.99	24.86	40.17	30.51	24.06	21.41	20.00	46.90	38.63	37.98	26.21	33.75	35.67	20.23	20.00	21.65	0.92	0.07	0.08	0.00
ILMN_2525382	Cln6	NM_001033175.2	208.99	181.95	224.45	175.96	192.14	235.78	152.57	133.68	163.62	254.39	214.27	213.83	263.43	193.99	247.99	159.02	123.42	141.82	0.87	0.02	0.77	0.01
ILMN_2991912	Rab3a	NM_009001.3	424.40	402.42	303.20	411.96	358.54	326.24	316.57	289.30	240.16	289.09	352.41	304.92	313.51	300.83	317.67	194.55	218.78	173.93	0.82	0.09	0.82	0.01
ILMN_1231058	8030481K01Rik	AK078781	103.83	132.02	81.16	139.32	127.81	57.90	83.93	76.61	53.59	99.94	95.63	91.55	73.09	83.89	89.02	44.08	63.96	63.19	0.93	0.12	0.06	0.01
ILMN_3005175	Klra16	NM_013794.3	81.89	58.46	42.95	78.58	77.80	31.06	38.07	31.93	20.00	39.36	57.38	66.34	32.83	51.06	47.36	36.71	24.06	25.68	0.95	0.07	0.33	0.05
ILMN_2659168	Cib2	NM_019686.5	223.21	198.16	381.63	235.61	209.25	315.82	145.59	87.56	244.10	325.54	324.60	338.09	320.10	321.74	319.99	196.32	170.96	136.87	0.84	0.21	0.12	0.00
ILMN_2901180	Spc25	NM_025565.1	1913.48	1996.35	1369.10	1814.57	1789.00	1484.31	1367.50	1200.05	985.40	1355.52	1418.40	1580.78	1244.27	1277.21	1517.27	965.40	832.89	1050.20	0.79	0.06	0.39	0.01
ILMN_2523427	2010003O02Rik		419.51	433.69	148.34	404.83	490.50	124.93	225.20	238.12	96.03	152.12	163.91	192.74	162.35	162.91	209.41	118.48	74.78	123.06	0.97	0.23	0.68	0.03
ILMN_2710176	Kazald1	NM_178929.3	166.45	173.60	138.78	178.36	170.46	121.02	134.19	96.98	67.41	144.70	152.45	176.83	167.80	162.42	200.00	98.79	92.86	93.92	0.89	0.05	0.29	0.00
ILMN_2740152	Chpt1	NM_144807.2	407.57	356.09	335.65	373.68	398.31	300.19	275.56	228.09	241.98	320.30	322.46	340.65	279.39	338.71	310.77	230.14	177.88	218.07	0.82	0.01	0.38	0.00
ILMN_3133748	Gab3	NM_153073.1	129.12	140.91	129.02	113.53	130.31	145.50	91.48	86.66	128.58	110.67	112.23	88.56	118.01	109.86	95.65	79.98	60.66	62.18	0.76	0.09	0.71	0.02
ILMN_2600255	Bcl9	XM_358351	244.59	224.43	259.25	210.88	233.14	264.29	189.46	178.93	225.71	254.22	224.93	214.03	264.64	222.05	234.89	159.84	146.34	137.86	0.74	0.06	0.62	0.00
ILMN_1252214	Pfkm	NM_021514.3	121.40	123.25	213.81	127.94	114.38	198.65	121.88	97.51	130.35	212.46	149.89	172.59	179.50	140.92	156.90	121.66	117.39	98.81	0.89	0.32	0.42	0.03
ILMN_3147331	Thnsl2	NM_001033929.1	20.76	36.01	37.80	22.10	20.00	58.01	24.77	20.00	20.00	35.01	39.19	37.25	43.70	26.06	26.40	23.23	20.00	20.00	0.90	0.15	0.44	0.00
ILMN_1241458	Centd2	NM_001040112.1	80.30	105.92	106.05	77.56	81.96	128.78	72.39	56.45	94.16	133.11	100.66	100.01	102.37	74.44	93.29	57.59	82.33	50.79	0.95	0.17	0.20	0.03
ILMN_2920800	Sip1	NM_025656.1	47.26	71.31	52.50	51.97	60.33	51.07	20.00	45.03	66.03	55.32	50.92	38.12	50.83	45.98	55.24	27.23	20.00	31.86	0.76	0.43	0.68	0.02
ILMN_2615026	8430427H17Rik	NM_001001986	93.71	110.31	56.88	89.76	87.88	67.34	52.10	52.08	29.50	88.11	83.73	68.69	61.27	54.23	69.23	55.28	29.43	42.01	0.77	0.07	0.06	0.02
ILMN_2856095	Zc3h12a	NM_153159.1	302.75	249.96	157.48	292.87	273.09	134.59	159.25	168.65	149.27	185.54	233.09	243.02	200.00	249.96	213.52	111.15	175.21	140.91	0.96	0.14	0.98	0.04
ILMN_1218877	BC029169	NM_153782.1	173.02	151.39	95.69	170.84	149.47	88.46	123.19	102.20	69.23	69.34	82.29	100.63	47.08	51.39	66.35	49.30	52.45	55.63	0.92	0.21	0.05	0.03
ILMN_1246900	Cdkl5	NM_001024624.1	79.82	84.82	70.92	74.84	70.70	81.77	81.98	62.94	76.40	86.32	67.02	63.68	74.30	56.80	58.75	36.95	46.49	49.39	0.62	0.53	0.37	0.02
ILMN_2919263	Slc25a1	NM_153150.1	380.39	405.39	426.82	380.98	335.30	464.08	275.11	286.14	414.55	410.11	393.19	436.41	378.62	348.82	397.86	271.75	271.00	254.63	0.80	0.17	0.12	0.00
ILMN_1231601	4930477M19	NM_177729.2	206.29	190.57	209.84	199.22	189.03	196.63	141.57	128.06	138.33	185.36	184.01	176.76	180.72	180.10	176.78	129.87	105.09	124.11	0.34	0.00	0.39	0.00
ILMN_2618696	Tmem106c	NM_201359.1	801.88	808.09	717.87	834.42	860.08	578.56	696.21	591.33	540.93	703.12	824.47	860.61	712.25	816.31	765.38	469.91	534.09	536.26	0.86	0.04	0.61	0.01
ILMN_2866970	Kif11	NM_010615.1	694.64	742.74	809.61	780.14	731.77	647.56	525.31	499.50	660.67	677.16	824.49	787.49	731.37	672.73	797.71	400.91	534.88	431.14	0.60	0.04	0.64	0.01
ILMN_2972627	Hint3	NM_025798.2	189.21	221.53	263.14	200.05	184.55	263.92	174.58	135.98	201.31	288.26	251.20	261.16	279.22	230.27	235.32	183.74	184.32	122.64	0.81	0.13	0.38	0.01
ILMN_2835771	Plac1	NM_019538.3	150.98	99.15	149.26	120.29	117.90	139.03	83.96	91.91	121.13	144.84	127.70	125.82	96.59	112.54	102.07	83.41	82.47	84.97	0.71	0.17	0.02	0.00
ILMN_2621752	Irf5	NM_012057.3	315.76	346.60	368.21	291.29	315.40	386.90	238.77	214.02	309.54	332.26	341.63	400.54	304.56	272.66	311.98	224.45	220.12	242.90	0.72	0.05	0.07	0.00
ILMN_1231884	Tmem121	NM_153776.2	324.70	376.83	468.79	333.61	338.51	447.40	232.10	223.39	346.99	472.98	391.69	444.01	458.44	360.76	425.27	255.27	284.26	207.48	0.78	0.10	0.60	0.00
ILMN_3132559	Car5b	NM_019513.1	96.69	114.70	173.40	102.34	92.58	178.46	85.71	85.96	95.57	158.09	183.16	174.70	136.50	146.60	122.66	108.41	101.56	85.25	0.92	0.17	0.02	0.00
ILMN_2949217	9030625A04Rik	NM_172488.1	225.19	199.54	275.84	179.00	223.96	271.48	177.11	152.87	227.59	279.86	206.13	221.42	239.85	212.79	224.81	168.66	159.28	126.05	0.82	0.20	0.70	0.03
ILMN_3052390	2510009E07Rik	NM_001001881.1	154.32	124.88	155.52	112.93	128.03	181.42	73.56	67.06	132.36	125.50	118.05	101.46	141.45	123.89	95.33	66.53	57.77	63.20	0.87	0.08	0.75	0.00
ILMN_1215651	Cdkn2c	NM_007671.2	263.67	275.31	213.70	247.24	240.06	228.39	192.12	178.35	160.87	275.50	292.89	223.85	184.73	253.73	193.27	172.01	160.82	164.39	0.56	0.02	0.15	0.01
ILMN_1260061	D17H6S56E-5	NM_033075.2	747.85	880.71	500.81	815.27	824.21	428.30	477.22	374.87	194.39	484.63	500.14	519.99	448.33	465.91	550.25	214.02	214.79	277.41	0.91	0.06	0.71	0.00
ILMN_1235133	Syn1	NM_013680.3	45.37	38.21	55.58	30.40	41.18	67.13	20.00	28.13	42.11	55.56	49.99	77.08	71.58	54.87	55.63	33.86	33.62	22.63	0.99	0.12	0.99	0.03
ILMN_2459899	Adamtsl4	NM_144899.2	927.01	886.91	805.42	937.22	835.19	732.47	671.69	647.06	635.13	583.15	839.63	820.81	576.81	654.94	669.15	430.99	546.91	483.43	0.61	0.00	0.26	0.04
ILMN_2836312	Podxl2	NM_176973.3	140.18	122.24	150.99	116.56	132.54	144.64	98.09	83.13	120.42	95.99	87.87	108.47	94.13	100.72	71.96	63.06	50.99	50.48	0.60	0.05	0.47	0.00
ILMN_2757870	Psmb10	NM_013640.2	565.69	678.96	889.20	579.90	588.48	863.82	403.03	302.03	576.78	780.40	733.68	735.36	850.08	840.78	689.91	475.96	490.05	411.24	0.81	0.08	0.46	0.00

ILMN_1244077	Ocrl	NM_177215.3	457.13	446.50	499.28	453.90	431.98	447.64	325.26	282.84	370.38	443.95	487.38	513.57	407.90	388.56	435.77	247.52	259.84	233.84	0.25	0.01	0.04	0.00
ILMN_2635801	2310079N02Rik	NM_025636.3	1043.00	1055.88	977.85	928.35	1012.07	983.96	844.49	628.88	779.11	1015.21	903.41	960.54	1038.60	907.08	990.63	602.49	522.88	493.42	0.21	0.02	0.72	0.00
ILMN_2693373	Hip1	NM_146001	137.65	134.35	126.21	120.94	126.04	131.27	122.95	91.90	75.99	133.46	166.19	147.59	144.05	166.07	162.51	81.53	88.06	88.99	0.22	0.07	0.51	0.00
ILMN_1255731	Dnm3os	NR_002870.1	889.96	1045.14	912.23	1002.36	979.33	739.23	686.70	690.95	558.95	709.09	815.32	767.98	677.83	639.79	663.08	403.49	478.70	393.56	0.69	0.01	0.03	0.00
ILMN_2611284	Dgcr6	NM_010047.3	415.39	411.33	480.61	413.61	365.10	463.49	295.04	233.26	387.72	577.34	531.04	548.52	452.87	503.69	566.26	349.67	378.75	334.29	0.58	0.06	0.28	0.00
ILMN_2759762	Stard10	NM_019990.4	371.21	352.88	220.21	379.33	338.45	191.17	221.99	188.60	106.47	194.53	247.98	261.26	192.04	222.56	236.72	138.82	159.58	137.68	0.88	0.07	0.51	0.01
ILMN_1237961	Gnb5	NM_138719.3	293.61	288.59	350.73	284.63	229.83	385.96	198.25	169.63	303.34	317.64	303.94	295.50	305.97	295.24	300.62	216.94	182.62	182.29	0.84	0.13	0.52	0.00
ILMN_1227325	Nfib	BC014290	164.68	165.68	84.68	159.81	185.95	65.75	111.47	55.57	39.08	88.82	133.93	126.39	69.94	116.33	121.18	59.22	50.41	71.27	0.98	0.11	0.55	0.02
ILMN_2734755	Col4a5	NM_007736	1255.32	1176.77	1426.00	1222.99	1144.14	1272.24	905.34	927.04	1306.06	1537.07	1381.74	1246.22	1281.13	1364.38	1225.96	974.45	821.83	849.45	0.43	0.18	0.35	0.01
ILMN_2703204	2310061C15Rik	NM_026844.3	1338.77	1175.74	695.20	1200.79	1296.02	593.62	856.51	828.78	322.90	541.94	686.44	813.10	792.74	694.80	792.15	301.93	362.78	494.30	0.90	0.20	0.40	0.04
ILMN_1223011	D230005E09Rik	AK051822	132.25	126.81	92.82	111.79	100.65	116.79	96.31	101.90	97.11	112.15	80.18	96.93	71.08	65.26	72.49	59.52	56.38	57.56	0.60	0.20	0.05	0.01
ILMN_1226527	Ganc	NM_172672.2	37.08	65.18	66.49	37.33	71.71	50.61	42.90	35.93	38.54	58.88	66.22	52.61	80.05	65.32	64.70	28.76	41.60	31.43	0.84	0.16	0.17	0.01
ILMN_2847038	Mta3	NM_054082.1	162.95	136.12	184.20	145.48	136.60	173.32	105.23	103.82	122.72	164.93	174.32	185.52	172.90	169.27	203.21	108.47	107.89	76.00	0.63	0.03	0.61	0.00
ILMN_1220398	Armcx2	NM_026139.3	1901.07	1962.63	1380.70	1820.77	1834.20	1299.73	1396.78	1164.96	1122.49	1692.94	1650.53	1450.56	1382.45	1367.74	1255.25	1030.65	986.25	1000.49	0.72	0.06	0.04	0.00
ILMN_1213334	Tmem88	NM_025915.3	1743.03	1627.59	1638.32	1565.92	1690.57	1477.11	1137.15	1130.30	1170.18	1695.76	1992.96	2053.25	1568.61	1933.08	1823.50	1152.58	1397.93	1196.83	0.27	0.00	0.42	0.01
ILMN_3107322	Zhx1	NM_009572.3	1246.53	1165.86	880.13	1301.73	1253.86	659.07	743.96	896.44	518.14	557.52	788.10	864.31	749.74	734.42	957.45	394.29	454.98	510.68	0.92	0.07	0.55	0.04
ILMN_1255968	E030017M08Rik	AK053151	99.27	77.81	102.95	94.22	91.01	77.90	93.27	90.99	95.29	87.42	107.07	80.98	72.09	84.84	84.13	52.43	63.22	56.43	0.58	0.99	0.27	0.02
ILMN_2725082	Phka2	NM_172783.1	71.57	72.60	67.41	64.64	61.03	74.38	62.53	59.99	60.62	80.88	91.02	68.08	75.15	97.48	83.85	45.70	52.44	58.79	0.42	0.01	0.59	0.02
ILMN_2972855	Slc25a12	NM_172436.2	482.27	464.38	575.57	470.27	471.22	485.86	342.38	352.46	411.48	436.81	458.00	464.53	419.53	385.39	430.55	252.01	242.95	230.43	0.42	0.03	0.06	0.00
ILMN_1244214	Nudt13	NM_026341.2	36.25	34.84	49.13	26.02	38.30	51.96	26.60	25.37	41.77	37.78	41.48	40.25	35.27	34.74	33.12	24.17	28.99	22.17	0.89	0.27	0.01	0.00
ILMN_2737302	Cxcl12	NM_021704.2	3424.81	3033.81	3313.60	3077.80	2884.04	3227.86	2243.45	2078.79	2620.42	2927.05	3417.54	2974.63	2690.19	3186.86	3011.71	1719.27	2188.35	2130.61	0.27	0.01	0.54	0.01
ILMN_2733482	Gca	NM_145523.3	41.86	60.81	102.60	56.38	53.20	72.23	37.05	32.07	70.73	69.73	60.06	59.62	77.44	51.05	52.46	31.61	42.82	39.43	0.70	0.37	0.77	0.01
ILMN_3144358	Rnasen	NM_026799.2	570.68	572.96	602.65	534.80	586.89	520.17	361.06	409.42	444.17	513.69	676.63	633.81	523.37	675.77	650.95	389.49	397.56	417.42	0.20	0.00	0.90	0.01
ILMN_2791357	Ganc	NM_172672.2	46.53	45.78	76.47	57.59	34.54	67.77	39.40	48.89	71.53	73.31	54.05	50.99	82.60	62.87	62.29	31.58	40.19	23.17	0.84	0.84	0.37	0.03
ILMN_2623856	Map2k6	NM_011943.2	60.36	44.32	75.39	36.00	59.24	78.06	34.25	24.60	48.96	94.27	75.18	76.80	61.86	61.71	59.09	56.97	44.29	39.51	0.89	0.10	0.03	0.01
ILMN_1227035	B230322F03Rik	AK045908	48.06	55.58	62.46	53.08	51.02	50.83	20.00	20.00	55.84	60.09	51.25	43.52	45.54	52.48	40.24	20.00	30.18	27.54	0.43	0.14	0.41	0.01
ILMN_1214180	Gpr124	NM_054044.1	1692.46	1919.02	672.91	1672.88	1988.27	541.92	1054.28	1195.84	365.84	587.47	689.11	710.23	533.59	618.11	798.60	373.52	362.02	525.06	0.97	0.29	0.90	0.02
ILMN_1248397	Smarcd3	NM_025891.3	371.36	356.93	244.98	335.32	332.25	239.05	196.15	241.35	111.41	233.09	321.05	350.32	258.41	309.21	306.82	148.07	177.35	171.02	0.69	0.06	0.81	0.02
ILMN_1226688	Ephx2	NM_007940.3	58.95	48.18	26.82	48.21	51.86	24.96	32.07	29.02	20.00	33.12	43.10	49.75	29.85	50.64	32.26	20.00	28.38	28.74	0.83	0.16	0.62	0.04
ILMN_2664726	3110013H01Rik	XM_203393.1	657.87	655.07	789.42	651.10	604.12	706.73	486.52	380.03	552.08	695.65	747.93	767.10	651.89	727.88	731.79	488.35	482.35	476.38	0.43	0.03	0.38	0.00
ILMN_2916008	Agxt2l2	NM_028398.1	622.20	596.41	672.59	629.74	565.76	572.36	497.53	388.75	459.22	584.73	589.38	658.01	632.46	554.85	651.12	428.13	379.79	378.36	0.25	0.01	0.96	0.00
ILMN_1260604	3830406C13Rik	NM_146051.2	25.51	28.63	29.81	24.05	22.47	32.91	20.00	20.00	24.90	51.49	41.08	31.91	38.24	32.37	25.81	20.00	28.07	20.00	0.69	0.04	0.24	0.04
ILMN_1245338	Hip1	NM_146001.1	192.03	220.59	299.35	174.25	181.41	326.33	164.97	97.15	161.83	300.54	290.80	248.51	308.00	307.40	284.70	175.46	192.10	149.06	0.87	0.07	0.32	0.01
ILMN_1235347	Frag1	NM_145583.2	236.54	255.57	296.61	242.29	259.98	231.49	172.42	182.53	181.04	191.52	277.13	318.54	246.02	253.08	298.66	128.23	166.38	161.24	0.40	0.01	0.94	0.05
ILMN_2716389	Smpd3	NM_021491.3	2460.52	2595.06	2358.80	2352.15	2281.07	2280.53	1880.07	1783.60	1951.68	2111.58	2164.62	2083.43	2188.65	2161.12	2302.26	1373.21	1223.37	1198.23	0.08	0.00	0.12	0.00
ILMN_1236574	Cenpa	NM_007681.2	12259.53	12241.29	12563.48	11067.05	12142.04	11314.80	9393.39	8249.03	7977.56	13468.00	12568.88	12436.10	13182.80	12079.97	12464.43	8463.88	8868.45	7480.01	0.07	0.00	0.62	0.00
ILMN_2815626	Palm	NM_023128.2	649.07	719.41	625.25	606.63	638.55	606.35	492.95	456.97	433.69	717.21	671.25	666.31	632.15	553.36	703.16	356.65	408.25	388.32	0.19	0.00	0.30	0.00
ILMN_1222853	Cdh3	NM_007665.2	224.65	169.65	281.25	187.72	165.01	277.20	113.92	88.69	168.70	326.14	206.15	240.11	268.93	183.32	201.06	137.32	109.11	83.90	0.76	0.06	0.42	0.02
ILMN_2665411	Nnmt	NM_010924.1	85.60	77.55	89.06	56.65	88.56	94.27	63.05	56.01	70.04	94.07	75.32	73.85	51.29	56.87	64.28	28.79	47.36	41.83	0.75	0.02	0.03	0.01
ILMN_1235670	Pfn2	NM_019410.2	28.46	30.65	28.21	20.26	29.69	32.73	25.80	29.03	20.00	35.11	30.07	33.97	32.58	27.33	21.77	20.00	20.00	20.00	0.71	0.20	0.17	0.00
ILMN_1241363	Anxa6	AK013026	41.29	27.67	35.72	23.00	31.89	44.48	20.00	25.33	34.75	38.27	48.54	47.64	34.50	37.96	28.93	28.78	30.93	27.02	0.82	0.23	0.06	0.01
ILMN_2429808	Plod3		58.12	54.53	56.77	42.47	50.43	67.11	24.61	22.14	51.81	59.90	56.30	60.40	67.64	53.56	49.45	38.81	32.38	32.70	0.69	0.07	0.74	0.00
ILMN_2793464	Oasl1	NM_145209.2	417.74	389.86	295.75	377.23	356.83	285.81	349.96	282.11	212.63	229.09	265.14	265.19	203.50	216.11	221.37	183.93	160.65	130.07	0.58	0.19	0.04	0.01
ILMN_2899174	Efha1	NM_028643.1	796.94	923.29	798.95	730.22	818.48	785.10	561.45	507.69	654.74	738.94	980.11	914.46	766.76	800.40	811.03	545.23	585.09	455.17	0.28	0.01	0.31	0.01
ILMN_1233455	Olfml3	NM_133859.2	1897.29	1975.07	2568.87	1748.92	1788.46	2455.77	1103.17	1065.04	1882.07	1747.60	1935.43	2048.08	1666.22	1748.70	1894.15	1095.08	1129.05	939.86	0.66	0.08	0.27	0.00
ILMN_1247972	1700011J10Rik	NM_183265	187.23	171.62	94.64	203.69	217.14	54.86	122.13	121.93	20.12	77.97	95.42	90.33	65.96	104.01	114.92	51.35	53.05	63.60	0.91	0.23	0.68	0.01
ILMN_2970834	Pex19	NM_023041.2	604.80	664.47	374.03	654.06	648.46	281.14	416.32	500.22	205.23	437.88	381.10	491.40	440.91	451.43	450.78	289.00	262.88	288.62	0.90	0.24	0.75	0.01
ILMN_1212991	3110023E09Rik	AK014071	60.91	62.34	120.19	59.49	70.01	86.89	20.00	35.24	48.53	96.15	90.90	89.10	75.57	98.98	108.27	65.71	56.19	49.77	0.69	0.09	0.83	0.00
ILMN_2616452	Ptgfrn	NM_011197.3	20.00	20.00	57.28	20.00	20.00	45.36	20.00	20.00	23.62	27.10	37.78	40.25	33.80	30.44	25.81	20.00	20.00	20.00	0.80	0.42	0.34	0.02
ILMN_2741249	Stau2	AF459099	26.27	20.00	41.29	20.00	20.00	42.64	20.00	20.00	20.00	53.80	40.26	31.52	32.82	40.99	27.94	23.49	20.00	23.26	0.88	0.22	0.35	0.04
ILMN_2753058	Dtd1	NM_025314.1	415.39	385.47	247.07	388.42	364.31	219.45	297.98	288.23	158.98	277.76	311.86	402.92	283.09	335.79	355.71	211.19	220.25	210.54	0.75	0.21	0.90	0.04
ILMN_1251220	Tbc1d9b	NM_029745.2	139.40	153.09	141.18	119.56	145.12	135.60	110.26	108.63	120.57	139.05	130.32	162.09	125.51	142.62	143.78	74.12	95.58	66.77	0.27	0.01	0.59	0.01
ILMN_1236046	Stk16	NM_011494.3	80.20	60.02	39.04	71.21	70.02	29.40	43.40	44.72	21.88	46.54	60.00	55.23	51.86	55.21	66.39	21.76	37.66	33.47	0.88	0.17	0.54	0.02
ILMN_2784686	Sox8	NM_011447.1	81.89	60.14	71.65	68.81	71.03	56.04	20.00	59.36	68.15	69.09	60.81	59.08	46.10	50.32	32.00	31.32	28.31	20.00	0.49	0.24	0.03	0.00
ILMN_3162682	Mtcp1	NM_001039373.3	37.07	53.26	54.29	44.05	39.26	48.08	28.07	30.88	45.33	47.18	36.96	41.21	28.54	41.07	31.68	21.40	30.72	29.94	0.51	0.16	0.17	0.03
ILMN_2719784	LOC100044566	XM_001472574.1	64.74	60.42	73.28	58.10	38.72	98.84	44.46	27.66	72.36	86.22	69.26	61.09	61.41	72.29	69.86	42.68	40.90	46.90	0.96	0.26	0.62	0.02
ILMN_1227573	Irf7	NM_016850.2	58.70	84.66	54.73	50.90	54.51	76.03	41.23	52.23	62.73	39.90	34.63	44.18	22.63	27.71	56.83	21.33	20.00	20.00	0.67	0.28	0.74	0.00
ILMN_1260064	Pfn2	NM_019410.2	757.03	718.46	459.32	666.71	736.40	394.41	430.97	426.53	223.01	452.51	610.03	652.67	424.33	494.72	494.37	298.27	329.55	360.54	0.76	0.07	0.20	0.02
ILMN_1224706	Tbx20	AK052155	60.53	36.07	69.25	40.69	49.03	58.53	20.00	52.68	66.60	48.95	36.95	39.25	20.83	33.59	42.41	20.00	31.86	21.80	0.63	0.63	0.26	0.03
ILMN_2599858	Pbx2	NM_017463.2	130.40	164.23	129.65	139.54	128.83	118.42	109.36	88.09	93.96	127.92	130.57	130.54	106.68	136.00	144.10	67.75	79.60	59.02	0.39	0.03	0.95	0.00
ILMN_3008748	Smad6	NM_008542.2	368.93	377.03	469.52	341.18	362.17	405.18	292.73	305.86	387.09	431.41	293.79	367.01	334.45	305.26	260.10	239.38	254.92	181.64	0.39	0.15	0.23	0.04
ILMN_1250075	Dpysl3	NM_009468.3	853.49	981.02	1031.63	821.91	839.70	955.48	594.94	573.81	752.23	1078.34	962.12	942.58	976.71	852.98	879.01	667.16	729.96	577.52	0.29	0.02	0.18	0.01
ILMN_2926068	Prr11	NM_175563.3	44.56	57.74	63.41	23.42	52.67	100.99	39.25	33.32	72.26	84.97	66.49	75.13	82.70	57.07	59.13	54.50	51.59	44.31	0.88	0.63	0.40	0.01
ILMN_2625290	Ifi35	NM_027320.4	254.78	203.34	165.13	228.55	223.38	127.60	163.27	141.71	94.52	129.57	208.26	183.19	133.21	192.21	160.49	81.17	90.24	114.64	0.75	0.09	0.71	0.04
ILMN_2420434	5530401J07Rik		362.24	324.07	365.96	331.89	333.10	295.72	272.65	203.08	240.40	270.19	361.90	350.89	311.66	314.08	350.90	206.17	207.96	193.20	0.17	0.01	0.95	0.01
ILMN_1237990	Gale	NM_178389.3	62.12	55.07	73.62	46.27	68.12	60.60	57.88	27.86	37.64	79.71	72.76	65.72	86.71	69.08	59.32	39.71	32.33	28.92	0.56	0.10	0.91	0.00
ILMN_1236010	scl0003799.1_2	AK076154.1	1060.24	1027.76	914.89	978.67	921.79	835.55	614.57	649.69	772.43	793.63	873.41	904.71	860.22	894.19	826.79	575.74	537.32	436.63	0.22	0.01	0.94	0.00
ILMN_2736847	Csdc2	NM_145473.2	142.24	117.04	149.03	115.92	116.64	138.30	79.83	80.06	137.26	141.96	127.76	137.16	139.99	125.65	142.47	92.13	93.55	84.72	0.36	0.16	0.95	0.00
ILMN_2427096	1190002F15Rik		541.96	604.76	323.93	522.87	494.97	308.89	360.25	336.14	194.75	446.53	558.44	447.95	399.21	554.75	546.07	283.74	317.15	347.73	0.68	0.12	0.81	0.02
ILMN_1218247	Palld	XM_974900.1	6533.37	6520.70	6790.08	6096.50	5830.45	6116.64	4941.24	4502.50	4168.22	6152.07	6289.91	5768.14	5003.69	4819.46	4885.06	3956.00	4062.28	3426.79	0.01	0.00	0.00	0.00
ILMN_2753057	Dtd1	NM_025314.1	312.65	292.00	197.60	290.90	300.70	154.48	199.38	212.69	112.76	208.89	238.45	266.99	201.26	216.77	264.61	133.49	153.40	164.86	0.77	0.12	0.70	0.01
ILMN_2565791	B230371N03Rik	AK046333	52.83	55.85	71.94	49.10	56.50	57.20	59.56	46.52	41.51	68.35	61.34	63.45	47.38	50.08	53.16	21.71	40.16	44.60	0.41	0.24	0.01	0.02
ILMN_1233075	Ercc2	NM_007949.4	46.91	71.48	48.83	39.79	47.93	63.97	23.03	24.25	46.39	71.11	55.21	65.99	34.28	61.90	52.93	45.07	38.75	34.38	0.65	0.09	0.20	0.01
ILMN_2740151	Chpt1	NM_144807.2	384.37	341.61	264.31	339.01	310.09	244.49	283.55	177.06	203.66	278.69	323.63	300.28	268.24	276.19	277.55	160.33	165.27	174.07	0.51	0.08	0.11	0.00
ILMN_1255356	Loxl4	NM_053083.2	67.91	46.07	84.99	48.32	46.70	86.86	25.43	43.46	60.66	98.18	83.39	102.62	82.85	74.30	72.46	70.44	60.70	52.14	0.76	0.20	0.05	0.01
ILMN_2778789	Sgip1	NM_144906.1	20.00	44.48	39.16	29.98	27.76	30.61	43.83	31.57	20.00	46.28	37.54	34.47	20.00	39.66	30.14	24.81	25.17	22.02	0.53	0.80	0.23	0.01
ILMN_1241168	Dok4	NM_053246.2	308.70	284.40	108.65	265.72	281.60	92.86	231.63	201.37	67.02	182.92	233.17	198.51	121.08	172.61	229.21	111.18	122.80	148.71	0.83	0.45	0.43	0.01
ILMN_3097950	Asb1	NM_023046.4	82.26	88.74	45.37	66.53	73.80	48.62	55.82	58.27	20.00	47.09	46.68	53.56	41.06	57.78	65.17	22.12	31.74	31.90	0.59	0.21	0.50	0.01
ILMN_2921698	Pcca	NM_144844.1	234.97	215.14	213.39	197.36	215.62	182.14	167.85	121.45	182.11	212.85	231.94	190.08	210.31	244.19	195.07	148.64	127.65	111.76	0.13	0.03	0.81	0.01
ILMN_3162113	Zdhhc18	NM_001017968.2	38.52	20.00	37.18	20.00	28.17	36.50	28.07	20.00	23.91	31.26	32.51	43.61	26.78	35.44	20.26	27.18	20.76	22.15	0.66	0.28	0.23	0.05
ILMN_1239965	LOC226955	XM_136701.2	31.54	34.98	36.07	27.86	26.04	39.35	31.61	37.71	28.41	45.82	33.85	30.34	20.97	33.45	23.65	21.85	20.00	22.62	0.52	0.62	0.15	0.03
ILMN_2553323	4732471N16Rik	AK028934	108.19	114.52	98.32	110.28	119.93	65.71	89.71	76.99	47.64	102.13	111.07	108.98	94.54	81.61	100.54	50.82	62.51	69.45	0.65	0.06	0.07	0.00
ILMN_2780420	Rnf26	NM_153762.3	112.10	109.55	163.96	128.09	72.19	155.10	75.32	59.44	99.84	144.97	153.60	151.96	139.75	149.23	157.56	92.97	92.17	71.00	0.76	0.08	0.83	0.00
ILMN_3094506	Arhgef15	NM_177566.3	112.15	115.05	134.03	106.03	90.97	126.93	80.61	60.77	118.32	124.99	107.17	130.63	148.10	92.42	114.42	83.74	82.68	55.53	0.38	0.14	0.89	0.02
ILMN_2690551	Nfkbie	NM_008690.3	139.71	115.12	122.14	123.11	140.82	80.02	78.62	106.31	75.71	121.99	139.62	143.41	132.83	133.53	134.80	80.24	84.76	101.04	0.60	0.03	0.86	0.01
ILMN_2726005	Plekhg4	NM_001081333.1	165.52	142.47	120.77	140.84	141.75	99.58	104.58	107.43	69.74	113.01	160.12	172.76	129.17	144.25	115.17	55.63	62.89	70.28	0.46	0.05	0.39	0.01
ILMN_1226268	Fkbp1b	NM_016863.2	24.17	66.56	90.40	37.55	43.80	61.25	34.22	28.89	31.72	46.23	62.47	62.16	44.14	48.22	50.70	34.82	35.07	38.01	0.57	0.21	0.18	0.02
ILMN_1257566	5830472M02Rik	NM_029512.2	61.62	80.05	100.03	45.66	76.85	97.04	33.91	58.94	61.35	90.59	90.21	85.09	76.73	88.29	80.70	58.70	58.74	59.30	0.71	0.11	0.15	0.00
ILMN_2986978	Smo	NM_176996.3	659.52	644.71	701.94	613.66	663.41	504.97	426.00	442.53	545.87	621.17	827.12	812.59	589.14	665.47	761.41	380.03	473.82	465.58	0.21	0.01	0.38	0.01
ILMN_2666108	Ssbp3	NM_023672.2	2478.51	2622.78	2878.58	2306.29	2370.02	2352.48	1659.58	1792.50	2404.30	2687.88	2474.53	3001.51	2670.07	2242.23	2757.70	1707.98	1756.86	1723.28	0.06	0.05	0.50	0.00
ILMN_2801746	Chchd6	NM_025351.2	287.57	293.30	242.78	322.13	278.73	156.26	245.71	185.54	151.13	237.74	339.93	330.31	243.17	338.57	301.31	143.86	229.40	162.03	0.69	0.07	0.86	0.04
ILMN_2654906	Mgat3	NM_010795.3	199.58	230.87	166.51	194.68	223.76	119.00	163.16	151.76	126.87	167.28	192.34	204.78	157.32	190.79	184.64	88.88	102.55	122.68	0.61	0.07	0.52	0.00
ILMN_1225565	Igf1	NM_010512.3	45.64	28.97	77.92	40.30	29.34	58.37	20.00	21.21	49.01	73.46	66.08	74.34	79.39	58.36	51.14	41.56	49.82	28.78	0.65	0.29	0.40	0.01
ILMN_2644175	P4ha3	NM_177161.3	62.00	56.43	107.11	65.52	60.36	63.25	29.13	20.00	48.37	72.07	77.86	75.59	49.67	76.95	76.07	26.86	39.84	38.05	0.49	0.08	0.45	0.00
ILMN_1238597	Omd	NM_012050.1	188.58	178.48	82.24	174.22	174.46	60.53	83.91	99.76	51.51	46.87	65.40	77.44	48.06	41.16	45.34	20.61	20.00	20.00	0.81	0.12	0.11	0.01
ILMN_2994354	6720460F02Rik	NM_144526.2	138.39	137.42	214.98	112.46	132.44	181.40	99.26	97.65	104.94	209.99	148.95	183.77	178.90	158.04	175.60	122.60	95.06	95.73	0.55	0.07	0.62	0.02
ILMN_1214830	Atp5k	AK011342	318.87	330.33	193.19	302.73	338.11	131.21	192.26	191.59	133.22	202.49	244.21	237.66	187.56	250.26	273.68	112.39	169.46	180.11	0.78	0.09	0.77	0.04
ILMN_2431965	Palld	XM_974582.1	2007.13	1973.30	931.14	1753.58	1914.19	721.82	1300.13	1192.14	620.21	876.36	942.19	1155.99	898.37	833.33	1074.36	642.90	618.45	613.71	0.75	0.22	0.64	0.01
ILMN_2822477	Ppnr	NM_012022.1	135.43	125.65	81.41	133.18	135.50	50.40	92.50	95.39	54.69	99.18	92.46	95.27	72.55	81.39	89.77	60.09	49.73	57.68	0.82	0.19	0.05	0.00
ILMN_2466180	7330410H16Rik		295.54	286.86	208.40	278.07	306.35	135.03	229.08	214.19	115.49	202.36	242.72	217.19	186.23	203.98	205.45	149.60	148.99	133.02	0.71	0.16	0.17	0.00
ILMN_2680054	D0H4S114	NM_053078.3	306.58	362.09	281.38	293.07	278.74	247.87	329.53	322.49	331.96	280.70	252.06	208.83	192.48	165.01	163.70	146.36	180.05	147.89	0.19	0.66	0.03	0.02
ILMN_3127391	Npr3	NM_008728.2	66.98	62.05	28.06	44.44	53.07	31.91	20.76	20.00	20.00	55.16	51.80	62.61	53.69	49.20	52.24	29.68	21.00	20.00	0.54	0.06	0.24	0.00
ILMN_3163419	Shf	NM_001013829.2	58.12	51.54	57.02	38.68	76.93	37.01	44.12	42.64	69.33	62.33	59.28	68.30	39.88	64.10	64.62	36.23	29.43	41.14	0.74	0.71	0.45	0.00
ILMN_2926480	Diras2	NM_001024474.2	44.46	50.85	75.99	49.25	32.71	68.59	53.00	32.42	57.18	77.02	84.95	70.78	75.65	59.19	48.19	53.87	39.38	43.70	0.65	0.48	0.14	0.01
ILMN_1258734	Wnt2	NM_023653.4	195.02	245.10	157.14	186.25	203.20	127.67	158.10	121.90	80.24	104.96	127.28	147.75	134.01	140.80	205.33	99.88	71.01	62.71	0.48	0.08	0.27	0.04
ILMN_1256718	Iqgap3	NM_001033484.1	51.47	42.58	67.74	40.13	41.70	56.93	23.83	23.94	70.27	72.93	58.64	55.78	65.33	53.27	41.82	49.92	41.24	31.39	0.45	0.44	0.36	0.05
ILMN_1217360	Pex13	NM_023651.4	149.52	151.12	98.66	156.86	164.59	55.36	159.73	152.03	86.50	119.69	114.63	134.66	94.44	110.89	120.34	70.22	93.51	80.61	0.86	0.99	0.21	0.01
ILMN_1253806	Col1a2	NM_007743.2	503.91	532.71	166.75	427.24	445.29	150.44	281.19	249.05	70.13	254.27	188.62	224.62	202.11	121.36	214.10	127.43	83.23	166.61	0.71	0.21	0.28	0.03
ILMN_1234619	Suclg2	XM_985084.1	66.56	65.23	118.37	53.13	64.85	94.82	29.34	34.96	76.81	89.37	74.81	68.00	74.78	73.40	74.00	45.10	35.92	41.46	0.59	0.19	0.63	0.01
ILMN_2652857	Ifi47	NM_008330.1	454.28	442.10	214.64	376.68	398.04	182.65	252.57	204.95	164.68	178.53	206.34	219.55	163.39	181.91	214.85	165.91	99.10	138.66	0.65	0.12	0.49	0.04
ILMN_2599739	6030419C18Rik	NM_176921.2	266.10	246.22	233.36	212.27	236.51	192.80	161.76	200.40	164.98	215.58	230.56	198.90	148.40	157.11	191.92	150.25	133.54	141.57	0.09	0.01	0.04	0.00
ILMN_2547346	Pcp2	AK013674	457.01	414.84	297.52	417.33	367.69	231.34	340.47	237.71	209.51	299.25	458.59	407.52	325.44	549.04	472.13	198.97	232.82	271.76	0.52	0.11	0.50	0.04
ILMN_2493175	Tst	NM_009437.4	359.18	384.86	369.22	295.36	338.35	317.60	243.99	272.99	320.35	361.54	418.98	413.13	354.54	358.46	377.97	278.66	263.62	236.30	0.02	0.02	0.16	0.00
ILMN_2615124	Accn3	NM_183000.2	27.58	38.61	47.75	28.16	23.85	46.97	30.16	20.00	20.00	39.39	36.42	32.27	28.49	27.53	27.28	27.69	20.00	22.59	0.62	0.10	0.02	0.01
ILMN_2594521	Nsdhl	NM_010941.3	190.01	113.12	188.27	119.62	97.78	213.02	86.72	78.69	110.63	223.41	182.84	153.36	191.35	179.35	157.85	106.93	100.18	119.07	0.66	0.06	0.67	0.02
ILMN_1238752	Nfkbie	NM_008690.3	29.25	33.08	53.41	27.06	25.39	46.17	20.00	20.00	45.26	47.76	37.46	42.64	52.79	48.15	34.95	20.00	32.82	31.39	0.60	0.42	0.68	0.04
ILMN_1228629	Zfp704	NM_133218.1	20.00	42.03	40.42	23.63	20.00	43.75	20.00	20.00	34.76	31.27	47.71	38.18	39.56	46.80	28.82	20.00	26.80	20.00	0.65	0.35	0.93	0.03
ILMN_1239307	Rrm2	NM_009104	53.26	75.03	52.79	61.43	58.20	35.89	52.47	43.17	20.00	50.41	48.59	38.07	38.10	50.47	37.67	27.52	28.41	29.12	0.48	0.15	0.56	0.01
ILMN_2868131	Pigt	NM_133779.2	186.17	178.96	258.03	169.69	147.16	209.33	147.42	119.25	188.39	226.50	215.75	240.53	247.82	188.72	232.79	146.69	170.81	118.77	0.36	0.16	0.83	0.01
ILMN_2675170	Hnrpul1	NM_178089.2	33.62	20.00	32.69	30.28	20.97	20.85	20.00	20.00	25.17	36.51	37.00	46.12	41.31	51.37	36.86	21.08	25.95	20.00	0.43	0.21	0.57	0.01
ILMN_2896976	2810030E01Rik	NM_028317.1	73.43	68.29	72.33	55.32	69.65	55.84	42.08	21.80	74.63	66.25	63.99	56.61	68.38	68.84	62.06	31.90	43.11	20.05	0.09	0.18	0.32	0.01
ILMN_1244087	LOC100045738	XM_001474843.1	20.00	42.81	48.72	32.03	29.76	25.83	20.00	26.66	31.17	34.94	30.27	29.19	26.02	46.80	38.24	20.00	20.00	20.00	0.42	0.30	0.43	0.00
ILMN_2864834	Abcb8	NM_029020.2	93.48	91.08	121.00	71.02	74.16	115.16	65.11	50.84	82.00	113.01	112.24	146.56	126.89	122.82	129.68	73.71	78.72	74.05	0.43	0.05	0.84	0.01
ILMN_2942554	Sh3rf2	NM_172966.1	30.60	41.15	20.00	31.08	20.00	23.62	20.00	20.00	20.00	36.44	33.55	42.41	20.00	23.22	41.75	20.00	20.00	20.00	0.46	0.16	0.28	0.00
ILMN_1237485	2310040A07Rik	XM_912979.2	50.40	29.90	30.55	32.42	38.07	21.54	20.00	20.00	20.00	32.42	48.00	45.92	20.00	38.09	43.03	20.00	20.00	26.65	0.49	0.07	0.38	0.02
ILMN_1229745	Sertad4	NM_198247.1	1307.10	1286.58	1071.42	988.36	1116.64	939.59	747.66	822.09	1074.82	1198.95	1060.09	1256.00	1132.85	933.80	1048.62	834.51	754.35	705.13	0.09	0.05	0.18	0.00
ILMN_2673323	Sema3c	NM_013657.4	204.55	165.67	35.52	182.01	189.97	20.00	97.90	94.68	20.00	44.36	50.23	54.71	54.53	31.94	78.94	26.70	27.72	35.55	0.95	0.32	0.72	0.01
ILMN_2862875	Klhl23	NM_177784.2	27.17	29.13	37.75	26.21	30.63	21.11	20.00	20.00	24.92	54.88	52.39	34.26	36.36	41.18	28.51	20.00	20.00	20.00	0.28	0.06	0.19	0.01
ILMN_1256998	Cacna1g	NM_009783.1	169.43	150.63	75.60	158.64	185.74	37.14	100.99	89.51	24.25	92.23	71.16	85.24	66.88	68.78	81.56	31.07	33.80	26.09	0.93	0.18	0.25	0.00
ILMN_2546887	2700046G09Rik	XR_035347.1	64.66	58.23	112.10	49.25	55.58	86.94	46.82	20.50	61.24	76.04	98.23	86.25	98.11	92.46	84.27	53.65	60.68	29.87	0.52	0.16	0.56	0.03
ILMN_2602581	Gmpr	NM_025508.3	80.45	126.27	132.85	59.09	103.66	124.02	73.05	41.32	82.28	144.09	127.99	118.11	143.47	131.60	159.07	65.53	95.76	73.82	0.52	0.08	0.25	0.01
ILMN_2662657	Rfc5	NM_028128.1	48.14	46.34	28.88	32.11	39.00	28.92	23.12	34.41	20.00	43.97	40.68	30.60	26.05	43.01	39.51	20.00	29.18	20.00	0.32	0.11	0.75	0.04
ILMN_2918440	Aarsd1	NM_144829.1	375.31	316.62	178.28	309.16	292.72	129.80	209.69	142.63	70.83	184.74	246.11	230.24	152.16	224.43	214.39	146.00	148.30	126.17	0.60	0.10	0.47	0.02
ILMN_3059476	Sesn1	NM_001013370.1	82.82	80.49	81.50	78.39	61.57	61.95	57.32	70.30	20.00	54.47	76.21	52.76	56.34	69.54	44.41	20.00	32.86	35.19	0.06	0.10	0.70	0.02
ILMN_2699096	Accn3	NM_183000.2	83.18	64.41	76.41	64.55	58.09	58.23	63.21	69.32	62.62	49.23	66.46	52.20	73.24	53.64	44.62	33.37	42.58	30.32	0.07	0.18	0.91	0.03
ILMN_3138028	Centd2	NM_001040112.1	59.80	51.74	62.07	39.07	40.96	62.48	20.00	28.04	56.44	65.79	59.14	65.74	66.41	50.28	61.90	41.92	48.17	32.33	0.27	0.12	0.49	0.01
ILMN_2713622	Ldb3	NM_001039073.2	41.31	68.35	65.36	32.12	57.32	51.24	49.71	39.79	50.80	47.16	48.27	45.34	27.56	39.59	34.09	27.85	33.53	27.88	0.37	0.28	0.02	0.00
ILMN_2481694	4933431K14Rik	XM_001472662.1	53.61	50.85	68.85	41.01	41.34	55.88	20.00	42.33	59.52	64.31	64.62	44.32	77.39	52.85	52.37	30.68	37.27	28.55	0.19	0.25	0.78	0.02
ILMN_2783852	Lphn1	NM_181039.1	251.84	258.69	165.40	187.09	230.07	124.58	150.68	152.82	32.73	153.86	145.01	161.65	152.38	167.33	125.14	88.89	107.40	82.08	0.36	0.09	0.71	0.00
ILMN_1223337	LOC225609	XM_148839.2	32.27	25.72	32.01	20.00	22.76	28.66	20.00	20.00	27.42	36.99	27.25	32.52	22.07	29.54	29.23	20.00	20.00	21.38	0.14	0.08	0.23	0.01

ILMN_2504374	Mr1	NM_008209	130.73	109.08	56.91	116.71	120.41	27.55	102.21	88.55	38.55	77.79	53.73	77.79	70.71	54.26	80.44	34.03	36.35	53.35	0.79	0.48	0.91	0.05
ILMN_2585112	1200008A14Rik	AK078433	230.90	266.83	132.18	206.03	207.48	90.65	116.69	124.59	74.25	92.96	129.09	127.83	82.30	105.97	106.20	60.09	72.63	55.80	0.49	0.07	0.26	0.01
ILMN_2670368	Car5b	NM_181315.3	92.39	95.74	120.56	70.98	68.95	102.10	61.36	67.46	82.08	110.02	132.06	123.10	103.64	109.50	92.66	81.63	72.15	71.82	0.19	0.04	0.07	0.00
ILMN_2449917	Tyro3	NM_019392.2	23.31	25.76	46.14	20.00	23.11	27.98	20.00	20.00	33.01	46.37	37.47	37.99	41.70	26.41	36.64	24.89	22.20	20.00	0.35	0.43	0.35	0.00
ILMN_2806720	Rbks	NM_153196.1	20.00	28.30	41.40	20.00	24.40	22.03	32.26	20.00	20.00	44.21	35.65	35.74	37.75	35.59	38.14	20.00	31.53	20.00	0.29	0.48	0.66	0.04
ILMN_2662602	Mylk	NM_139300.3	25.86	48.53	69.31	29.84	33.00	38.99	21.23	20.00	20.00	38.66	46.78	61.55	47.19	37.55	33.20	20.00	20.00	20.00	0.34	0.09	0.29	0.01
ILMN_2585683	Nek7	AK078639	64.65	71.20	53.55	49.57	47.00	46.18	69.59	28.33	48.12	55.14	46.62	48.83	53.81	46.71	51.94	36.39	33.62	27.65	0.04	0.33	0.86	0.01
ILMN_2519451	4733401H18Rik	NM_023247	65.35	58.07	45.57	35.00	65.50	30.65	20.00	51.46	34.37	58.25	39.58	47.01	47.41	41.24	52.39	24.76	32.31	29.72	0.37	0.12	0.85	0.03
ILMN_1221255	Ldlr	NM_010700.2	37.57	20.00	43.71	22.13	20.00	29.19	20.00	20.00	21.23	31.81	37.76	29.54	20.00	26.30	20.00	20.00	20.36	20.00	0.26	0.13	0.03	0.01
ILMN_2709337	Sp6	NM_031183.1	50.42	79.68	53.81	58.52	69.50	20.00	41.99	53.33	36.98	51.44	50.48	59.32	37.44	46.05	48.15	34.08	22.41	28.07	0.53	0.17	0.08	0.00
ILMN_2727980	Pdxdc1	NM_053181.2	27.99	28.18	81.95	21.96	29.83	36.65	20.00	20.00	38.41	61.44	45.03	49.20	48.78	34.04	48.91	41.82	26.91	21.14	0.42	0.35	0.32	0.05
ILMN_1258942	Lynx1	NM_011838.4	95.75	63.90	45.98	48.48	54.70	37.02	26.80	38.11	20.00	45.54	47.50	60.70	51.41	53.47	43.71	27.23	29.06	21.80	0.23	0.06	0.78	0.01
ILMN_1242749	D10Ertd610e	NM_028027.2	73.37	74.89	107.81	58.21	73.02	38.13	61.04	43.68	26.04	58.34	68.00	62.49	35.55	61.43	60.70	28.80	41.74	47.24	0.13	0.05	0.31	0.02
ILMN_2685958	Stim2	NM_001081103.1	69.02	62.09	42.60	25.54	41.07	45.88	46.71	29.54	27.51	59.53	47.26	57.80	55.09	39.37	34.70	36.52	22.07	38.20	0.11	0.08	0.18	0.02
ILMN_2958207	Nsdhl	NM_010941.3	56.65	74.30	57.46	62.63	50.75	20.00	56.59	32.21	36.91	55.29	53.28	60.77	72.01	63.19	72.70	35.49	34.69	39.46	0.26	0.09	0.03	0.00
ILMN_1247616	Ttll5	NM_001081423.1	25.05	41.11	47.63	20.00	20.00	30.73	20.00	20.00	36.77	49.65	53.78	37.60	51.78	34.89	46.50	32.27	34.43	22.92	0.13	0.23	0.73	0.05
ILMN_2890019	Ear11	NM_053113.2	52.59	37.25	29.05	56.31	48.89	53.01	20.00	20.00	20.00	30.07	31.20	20.00	33.26	31.40	24.41	20.00	23.76	23.13	0.14	0.05	0.59	0.27
ILMN_2827607	Afmid	NM_027827.2	46.64	35.27	54.47	69.37	48.34	68.24	20.00	20.00	21.93	52.36	43.32	64.35	58.49	43.00	39.99	45.04	27.47	27.32	0.13	0.01	0.50	0.08
ILMN_2554456	C030003M13Rik	AK047634	34.15	33.50	38.20	45.92	32.94	70.53	20.20	20.00	24.68	38.92	30.64	29.47	42.66	43.67	38.15	29.42	27.15	23.82	0.26	0.00	0.07	0.14
ILMN_2731967	Commd2	NM_175095.4	44.25	31.71	51.53	46.61	49.80	71.41	25.81	21.24	25.12	48.07	53.67	52.64	70.20	44.83	44.49	36.45	32.26	38.13	0.24	0.04	0.85	0.00
ILMN_2694022	BC050092	NM_181419.2	35.49	32.60	43.24	33.32	51.77	65.28	20.00	20.05	30.83	61.06	42.71	55.34	41.44	35.51	32.08	40.47	26.52	36.96	0.25	0.05	0.05	0.06
ILMN_3162925	C130026I21Rik	NM_175219.3	33.50	29.52	30.70	27.21	29.43	80.05	20.00	20.00	20.00	20.00	25.93	20.00	20.00	31.52	20.00	20.92	20.00	20.00	0.45	0.00	0.69	0.45
ILMN_1238346	Tmem106a	NM_144830.3	85.42	90.15	79.67	103.04	115.63	105.06	68.71	51.06	51.04	65.85	85.29	63.59	62.01	75.43	81.62	35.09	62.11	50.92	0.01	0.01	0.88	0.10
ILMN_2619179	Zbtb46	NM_028125.2	66.43	64.95	72.17	70.46	77.08	98.76	45.42	37.09	39.26	97.59	71.21	61.73	70.69	70.43	57.72	41.29	67.06	62.54	0.18	0.00	0.41	0.21
ILMN_1238331	Rom1	NM_009073.3	104.25	93.48	82.60	117.51	120.02	96.78	65.51	38.53	48.08	89.44	106.68	82.23	102.89	115.83	86.77	71.77	68.41	77.04	0.14	0.01	0.46	0.06
ILMN_1245115	Fahd2a	NM_029629.1	35.05	62.72	57.31	59.63	56.74	61.18	20.00	20.00	27.52	67.05	62.19	40.98	69.23	43.13	58.91	39.63	29.58	20.20	0.43	0.03	0.98	0.05
ILMN_1215919	Egfl7	NM_198724.1	106.47	111.70	107.94	116.69	119.62	150.31	51.51	53.22	72.16	95.23	106.05	122.81	142.42	135.03	137.03	83.24	74.53	61.90	0.14	0.00	0.02	0.03
ILMN_2482263	Dnm3os	NR_002870.1	57.40	69.52	72.12	77.21	71.01	85.66	36.80	44.78	45.68	67.95	61.48	57.42	61.77	58.95	42.15	49.94	47.24	40.76	0.13	0.01	0.31	0.02
ILMN_2472765	Gdap4		87.16	77.24	92.39	98.89	89.69	112.72	57.94	41.50	59.25	80.64	74.24	75.50	91.58	84.82	68.80	75.40	59.65	36.68	0.14	0.01	0.52	0.16
ILMN_2953515	Aldh3b1	NM_026316.2	56.42	65.26	102.55	95.62	67.61	92.63	20.00	43.67	22.00	77.39	88.36	66.00	91.00	73.26	63.99	59.03	58.80	41.67	0.56	0.05	0.91	0.05
ILMN_2645772	Mrpl51	NM_025595.3	121.95	112.24	113.57	133.29	115.80	158.33	81.93	85.13	64.53	119.36	100.11	85.05	118.40	86.28	85.67	76.97	66.22	75.68	0.19	0.01	0.76	0.05
ILMN_3007680	Mpp6	NM_019939.1	600.27	604.55	482.65	725.19	652.23	566.37	385.48	395.04	232.20	398.00	478.42	395.82	520.66	496.75	484.84	326.42	356.62	293.35	0.23	0.03	0.06	0.04
ILMN_1258571	Sp6	NM_031183.1	32.93	42.60	36.09	40.42	30.96	61.79	24.63	22.09	21.96	20.00	32.74	30.99	31.23	30.07	23.82	20.00	22.45	20.00	0.49	0.01	0.92	0.16
ILMN_1251585	E130309D02Rik	NM_172726.3	62.97	50.40	60.77	70.19	62.12	66.42	36.08	37.46	23.96	52.14	72.11	71.22	64.52	88.21	70.68	40.98	63.70	68.09	0.14	0.01	0.39	0.52
ILMN_1248302	Dazap1	NM_133188.1	60.81	52.70	52.43	74.05	51.46	65.47	38.57	36.40	27.33	51.66	53.30	53.45	75.22	52.66	52.83	39.59	44.07	35.24	0.31	0.01	0.38	0.01
ILMN_2933647	Ggcx	NM_019802.1	76.35	83.38	89.37	88.84	87.08	108.17	57.68	56.69	50.47	95.85	102.10	81.54	84.13	92.35	80.22	80.13	80.82	51.71	0.21	0.00	0.34	0.12
ILMN_2887208	Rab1b	NM_029576.1	56.02	75.98	68.25	69.41	99.37	61.76	23.09	29.77	30.01	52.29	94.59	89.92	44.89	61.26	61.69	31.20	54.55	47.81	0.48	0.00	0.19	0.08
ILMN_2491756	C130020C13Rik		814.86	638.28	545.37	783.49	809.93	648.27	453.03	460.10	366.51	658.72	607.13	663.79	683.95	636.94	645.78	483.71	446.72	428.04	0.44	0.05	0.62	0.00
ILMN_1222934	Bves	NM_024285	53.85	57.52	74.46	112.33	69.76	41.32	33.23	45.22	44.55	66.66	63.48	47.25	41.24	39.88	48.01	23.51	46.88	37.55	0.59	0.05	0.07	0.06
ILMN_2641371	Lgals2	NM_025622.2	68.08	67.94	58.88	70.78	78.77	68.16	32.01	30.75	54.09	37.23	71.76	80.92	69.42	75.66	71.22	20.00	34.97	26.67	0.16	0.03	0.55	0.06
ILMN_3009558	Oxnad1	NM_145460.1	68.71	59.80	57.40	109.46	79.34	37.84	37.40	39.83	42.90	39.64	69.59	58.05	39.89	60.81	43.33	58.18	68.38	43.46	0.55	0.00	0.52	0.94
ILMN_3103896	Timp1	NM_011593.2	6690.91	7257.56	7557.17	7600.34	7559.75	8624.96	4470.11	3884.97	5070.53	7265.59	8470.31	7981.16	8246.95	8275.09	8412.88	5395.90	5712.94	4997.64	0.15	0.00	0.31	0.00
ILMN_1216178	Lmbr1	NM_020295.3	113.25	97.56	69.64	109.66	112.86	83.75	48.17	51.58	41.34	65.45	49.41	56.77	60.16	86.07	84.28	42.91	43.17	36.46	0.61	0.02	0.11	0.03
ILMN_2684575	Pcyox1l	NM_172832.1	47.60	59.18	68.97	69.65	55.06	68.17	39.49	24.80	23.71	95.61	56.61	76.42	69.16	96.32	78.71	54.69	43.33	37.17	0.50	0.02	0.73	0.07
ILMN_2419364	9130024F11Rik	XR_035240.1	96.17	85.04	54.57	78.88	96.65	77.87	42.99	22.95	22.63	40.98	61.01	44.34	44.36	57.37	48.87	35.57	30.73	20.00	0.69	0.03	0.85	0.06
ILMN_2429521	A030003K02Rik		39.06	52.57	45.99	53.68	52.15	44.58	32.99	33.41	20.00	41.51	37.75	30.73	20.00	36.38	29.93	40.26	32.48	37.95	0.43	0.04	0.24	0.96
ILMN_3058137	Mgat1	NM_010794.2	28.44	42.02	30.13	38.99	32.06	37.90	21.48	20.00	20.00	58.35	30.86	49.96	20.96	35.51	20.00	32.89	25.94	33.95	0.59	0.04	0.09	0.14
ILMN_2617305	Nudt8	NM_025529.3	297.01	297.54	353.05	284.43	314.27	457.37	166.64	158.41	219.76	304.90	349.73	325.71	362.47	369.86	365.77	232.23	233.31	190.38	0.56	0.01	0.04	0.00
ILMN_2950957	Rtn4ip1	NM_130892.2	124.26	123.64	89.51	142.39	135.53	91.40	71.89	74.35	72.96	103.81	119.78	95.79	94.59	97.21	123.95	115.17	75.33	89.73	0.62	0.03	0.92	0.39
ILMN_2756223	9130218O11Rik	NM_177820.2	48.19	46.06	35.19	40.55	50.83	48.13	26.23	20.00	20.00	23.46	45.31	22.99	20.00	22.53	34.87	20.00	20.00	20.00	0.54	0.01	0.61	0.22
ILMN_1243507	Spsb4	NM_145134.2	159.38	148.49	176.51	155.26	159.15	214.13	103.92	85.54	121.25	259.72	199.47	167.07	197.56	185.78	163.27	174.39	153.64	153.73	0.52	0.01	0.41	0.16
ILMN_2588244	Hist1h4c	NM_178208.1	50.31	52.76	46.90	59.30	53.71	49.52	39.30	23.44	27.58	58.81	52.47	52.86	72.14	47.83	58.59	33.77	35.34	46.74	0.27	0.02	0.55	0.02
ILMN_2557028	5930404A08Rik	AK031091	114.23	105.73	119.72	145.53	97.38	128.54	45.49	27.09	42.64	102.29	56.99	53.80	91.55	62.11	58.72	37.19	20.00	21.50	0.51	0.00	0.99	0.05
ILMN_3090731	Pkig	NM_001039391.1	82.44	72.06	98.67	83.76	86.56	101.82	52.19	43.42	48.71	86.10	107.86	96.79	99.03	105.29	115.12	71.52	81.10	78.87	0.54	0.01	0.29	0.05
ILMN_2973337	0610013E23Rik	NM_029788.2	42.37	41.84	58.74	57.84	47.95	46.65	26.39	32.36	29.51	45.37	46.14	47.42	39.04	39.77	44.59	42.96	46.38	59.80	0.66	0.03	0.05	0.55
ILMN_2638299	Slc29a1	BC004828	731.60	752.29	827.06	794.05	835.48	844.15	451.01	435.77	589.32	684.02	648.78	650.29	694.92	599.01	582.61	482.83	465.77	400.55	0.17	0.01	0.39	0.00
ILMN_2698252	Cdc2a	NM_007659.3	57.26	46.18	46.74	71.08	78.17	27.02	25.70	40.07	32.67	40.34	64.09	40.62	55.76	46.68	41.12	29.76	33.86	29.78	0.62	0.03	0.96	0.10
ILMN_2942551	Sh3rf2	NM_172966.1	57.89	58.70	71.37	68.82	74.49	57.22	20.00	20.00	20.00	36.43	61.09	79.69	86.63	85.76	56.15	33.57	24.27	32.65	0.57	0.00	0.35	0.09
ILMN_1256257	LOC100038882	XM_001471686.1	611.09	745.22	716.73	703.00	762.70	732.49	499.68	457.16	399.75	585.68	820.58	543.87	583.24	618.13	660.83	324.02	491.01	396.69	0.40	0.01	0.76	0.07
ILMN_1241161	Camk2n2	XM_990809.1	848.85	980.39	834.44	981.68	976.94	857.63	537.02	563.68	541.96	823.51	827.60	809.97	832.27	876.12	831.16	621.87	572.40	542.56	0.46	0.00	0.17	0.00
ILMN_1224786	Pla1a	NM_134102	194.31	176.82	211.39	192.55	182.08	245.21	129.83	115.81	135.27	249.93	271.94	214.76	218.40	273.09	235.88	178.14	161.35	184.47	0.60	0.00	0.90	0.02
ILMN_2728270	B4galnt1	NM_008080.4	249.32	222.79	253.60	237.30	265.82	261.26	157.15	126.19	181.80	223.99	248.73	260.81	234.18	240.31	234.49	157.02	176.53	157.76	0.38	0.01	0.50	0.00
ILMN_3138157	Arl6ip2	NM_019717.2	77.70	72.70	62.61	84.12	81.89	59.86	38.70	54.80	47.66	72.25	79.20	70.43	119.74	97.26	91.59	72.29	56.51	61.60	0.66	0.02	0.03	0.12
ILMN_1237212	Tysnd1	XM_905996.2	85.06	79.50	99.03	89.71	96.03	90.62	55.09	60.71	59.31	78.97	94.05	84.47	88.11	84.89	104.38	91.59	55.52	59.61	0.53	0.01	0.43	0.24
ILMN_2993836	Dlg3	NM_016747.2	381.19	407.91	382.48	444.31	369.51	421.16	252.76	205.56	299.89	329.54	353.45	369.08	399.37	423.51	335.28	253.69	241.07	283.38	0.42	0.01	0.29	0.01
ILMN_2682046	2900073G15Rik	NM_026064.1	719.97	728.73	777.30	752.16	734.12	856.97	478.99	416.89	577.33	760.45	819.57	683.40	661.88	667.05	637.94	576.76	560.31	545.07	0.41	0.01	0.07	0.01
ILMN_2544368	2610042F04Rik	AK011740	70.24	100.15	73.90	90.88	74.06	89.30	28.35	32.12	47.71	81.03	80.72	91.81	97.45	65.41	87.64	65.08	64.03	59.96	0.77	0.02	0.92	0.01
ILMN_1228692	Ppig	NM_001081086.1	102.49	114.27	91.72	124.63	119.71	83.24	56.15	79.17	52.33	72.40	81.07	61.86	72.02	92.21	93.85	45.35	56.79	58.00	0.69	0.02	0.19	0.06
ILMN_1229710	ENPP3	AK089553	70.68	49.70	50.45	60.22	55.37	60.62	35.28	34.70	20.00	31.10	78.88	62.61	59.40	64.48	65.22	20.00	27.36	30.81	0.81	0.03	0.72	0.09
ILMN_2704900	Dffa	NM_001025296.1	114.18	127.90	114.58	107.63	121.47	144.44	69.55	49.80	49.52	118.74	124.18	116.74	133.13	128.60	116.41	79.53	75.18	86.52	0.65	0.00	0.32	0.00
ILMN_2660466	EG433229	XM_899874.3	198.58	188.81	192.79	179.54	176.99	254.78	120.14	112.91	125.74	169.59	185.36	143.81	144.79	176.35	166.86	128.70	107.53	106.04	0.71	0.00	0.83	0.02
ILMN_2756074	Dtwd1	NM_026981.1	418.90	431.83	430.90	453.77	423.26	446.59	271.29	217.41	229.65	429.91	478.99	366.64	425.33	411.05	456.69	349.05	343.31	324.32	0.24	0.00	0.88	0.06
ILMN_2641150	LOC677144	XM_001004138.1	156.55	160.03	176.56	159.35	178.98	169.78	95.48	75.20	102.88	184.48	191.94	189.41	197.46	183.16	169.52	136.43	128.86	135.75	0.58	0.00	0.57	0.00
ILMN_2637032	Myak	AF071071	168.35	165.82	137.71	172.32	143.87	167.98	117.06	97.26	95.66	186.02	176.45	156.76	158.36	156.23	139.35	137.88	121.55	121.65	0.77	0.01	0.11	0.01
ILMN_2662428	Ilk	NM_010562.1	35.12	25.80	31.24	25.58	38.04	31.49	20.00	20.00	20.00	20.00	35.85	28.72	20.00	20.00	27.69	20.00	20.86	20.00	0.84	0.02	0.34	0.16
ILMN_2765287	Ccdc56	NM_026618.1	237.99	227.52	222.48	270.67	218.58	219.94	156.97	122.03	124.27	216.97	256.06	276.55	233.14	284.66	247.62	189.84	171.15	151.08	0.71	0.00	0.83	0.02
ILMN_1216440	Gne	NM_015828	212.86	207.92	216.90	226.63	201.03	226.24	138.34	115.08	165.09	253.72	148.15	169.52	223.85	165.41	171.04	163.73	116.33	104.50	0.57	0.01	0.93	0.17
ILMN_1243722	Prosapip1	NM_197945.2	683.44	715.12	859.08	686.13	690.69	950.47	426.07	383.24	616.16	863.13	731.97	706.82	724.49	677.25	669.75	565.21	515.29	519.69	0.83	0.04	0.21	0.01
ILMN_2436608	2310009A05Rik		1361.83	1306.95	1541.93	1398.41	1343.28	1566.61	837.51	806.32	1065.78	1474.74	1396.55	1388.03	1560.40	1484.34	1444.44	1074.77	960.63	828.11	0.76	0.01	0.16	0.00
ILMN_2836654	Hist1h2ao	NM_178185.1	24668.82	27427.80	30907.14	27715.06	25275.04	31973.50	15409.13	16798.61	23579.48	29825.91	32215.25	31860.95	29699.43	32829.29	30282.87	21591.48	22279.24	19634.36	0.82	0.04	0.78	0.00
ILMN_1231851	Enpp1	NM_008813.3	92.19	137.48	103.10	138.30	128.17	78.88	77.15	59.09	71.45	53.23	90.46	79.56	49.26	83.75	96.23	66.14	54.76	51.64	0.86	0.05	0.92	0.23
ILMN_1216802	Bad	NM_007522.2	1080.18	1138.17	991.40	1143.05	1061.06	1074.25	668.82	654.77	803.79	1062.53	1069.32	1145.06	1009.91	1050.10	1241.36	757.39	738.84	728.56	0.67	0.00	0.92	0.00
ILMN_3105936	Cetn4	NM_145825.1	449.80	436.32	374.19	431.01	413.13	440.86	268.75	250.03	251.79	296.45	364.14	372.10	369.42	374.13	397.89	241.39	269.92	236.25	0.76	0.00	0.23	0.02
ILMN_2810645	Ehd2	NM_153068.2	144.63	181.12	152.31	156.89	158.02	171.60	109.06	76.37	128.84	176.93	193.94	188.18	163.90	174.25	138.18	127.01	128.21	129.91	0.83	0.04	0.08	0.00
ILMN_1216239	Ermp1	NM_001081213.1	38.54	30.74	50.61	38.04	37.77	44.45	20.00	25.08	20.00	38.85	41.00	28.88	24.21	44.88	21.85	53.36	20.00	20.00	0.98	0.04	0.51	0.68
ILMN_3026635	Sox12	NM_011438.2	51.88	45.65	61.28	73.46	49.88	42.13	20.00	25.00	20.00	48.78	53.30	44.26	67.36	64.65	58.00	38.40	26.22	35.02	0.84	0.00	0.02	0.03
ILMN_1239180	BC021395	NM_144861.2	783.69	778.16	805.24	820.25	752.70	844.39	485.90	432.89	525.96	765.88	601.12	649.15	815.28	720.82	677.82	484.07	439.19	442.47	0.59	0.00	0.36	0.01
ILMN_1226396	9530077A17Rik	AK020647	47.81	41.63	40.25	48.36	40.66	42.76	24.05	28.79	28.08	46.77	48.83	43.63	31.69	43.86	47.89	37.00	50.30	41.87	0.84	0.00	0.36	0.47
ILMN_2691493	Sssca1	NM_020491.4	1362.67	1290.48	1367.97	1299.08	1377.03	1408.04	914.91	834.65	872.80	1291.59	1560.18	1442.77	1449.17	1644.11	1423.68	1056.12	1241.38	1251.36	0.63	0.00	0.52	0.07
ILMN_2895991	Brp44	NM_027430.1	102.80	143.22	145.51	134.89	121.21	137.12	88.28	79.47	88.73	105.29	115.40	138.89	142.05	127.02	137.97	99.76	106.67	94.88	0.97	0.03	0.22	0.14
ILMN_1255634	Pigyl	NM_001082532.1	217.03	257.28	243.76	257.79	276.51	199.56	159.51	185.54	132.12	175.66	283.89	227.14	228.36	280.12	239.04	166.31	188.24	155.92	0.85	0.01	0.59	0.15
ILMN_1218573	Magi3	NM_133853.2	77.85	74.30	90.56	78.84	70.84	96.94	52.69	38.54	46.09	93.15	103.21	73.88	106.31	80.06	61.74	79.46	50.69	42.90	0.89	0.01	0.66	0.08
ILMN_2939294	Fis1	NM_025562.1	1184.84	1121.35	1145.03	1172.58	1205.93	1111.60	856.72	778.39	641.68	1250.59	1395.12	1604.35	1259.23	1572.44	1452.51	881.88	1118.26	1096.14	0.72	0.00	0.94	0.04
ILMN_1239578	Man2a1	NM_008549.1	3098.99	3064.01	2845.26	3115.82	3085.03	2902.63	1893.53	1742.42	1866.28	2758.97	2715.45	2710.71	2810.66	2567.08	2610.60	1826.14	1944.66	1792.87	0.77	0.00	0.44	0.00
ILMN_1219712	Ctps	NM_016748.1	1057.16	1043.31	1075.10	983.75	1091.43	1136.15	621.36	615.42	876.09	1073.02	1267.41	1164.29	1159.18	1136.05	1217.32	1004.97	1009.25	919.58	0.81	0.01	0.97	0.04
ILMN_2461582	4732460K03Rik	XM_888335.2	185.55	150.84	136.91	180.16	172.96	126.48	101.99	107.41	102.59	147.33	162.14	174.43	163.48	159.59	201.80	116.68	120.51	109.95	0.93	0.02	0.43	0.01
ILMN_2662036	1700113I22Rik	NM_026865.2	98.67	130.32	156.59	118.58	116.64	149.56	70.28	65.41	69.89	135.43	122.71	125.01	106.96	127.01	117.79	105.67	76.43	78.06	0.99	0.02	0.21	0.02
ILMN_1229320	Irf3	NM_016849.2	56.71	48.95	59.72	57.92	48.36	60.79	40.55	31.70	20.00	34.45	58.07	58.61	33.46	58.93	54.31	30.41	53.64	21.94	0.91	0.02	0.90	0.29
ILMN_1219574	Hist1h2af	NM_175661.1	10682.54	12199.37	8975.81	11681.01	12516.70	8122.35	7007.08	8149.55	5888.27	8821.41	12664.08	12333.19	9186.52	12349.95	12043.44	7725.18	8112.17	8681.90	0.93	0.03	0.96	0.07
ILMN_1223936	LOC385822	XM_358959.1	130.63	139.75	132.20	134.58	148.94	122.14	95.07	92.77	65.44	104.93	158.69	143.86	107.59	152.75	145.50	109.15	89.70	90.06	0.91	0.01	0.98	0.08
ILMN_2716692	2310047B19Rik	XM_150151	259.85	206.60	248.06	251.17	258.95	205.96	173.85	161.80	130.23	209.23	289.55	240.61	238.41	270.48	274.61	176.23	238.06	176.38	0.98	0.02	0.60	0.19
ILMN_2973925	Pop5	NM_026398.2	1705.63	1638.11	1764.75	1629.02	1671.85	1816.98	1086.08	1095.78	1138.40	1786.05	2087.70	1929.72	1761.96	1966.62	1952.75	1398.03	1629.79	1633.08	0.97	0.00	0.73	0.03
ILMN_2966370	Dolpp1	NM_020329.1	31.54	31.03	40.79	54.77	22.95	31.83	20.00	20.00	20.84	40.93	45.31	48.61	36.19	33.20	39.14	20.00	38.92	29.71	0.85	0.01	0.04	0.06
ILMN_1255513	Cdr2	NM_007672.1	1081.64	987.02	1061.35	1061.25	1004.46	1061.01	596.44	623.85	761.78	1102.39	928.81	1020.90	1180.77	947.82	972.22	916.05	771.97	804.18	0.98	0.00	0.86	0.05
ILMN_2864062	Vdr	NM_009504.2	226.16	237.52	147.78	234.68	190.35	177.09	95.13	96.58	29.26	118.05	214.92	237.43	134.07	191.82	260.22	85.06	105.89	122.13	0.93	0.02	0.92	0.09
ILMN_2639373	Mrpl17	NM_025301.1	4425.27	4276.95	4482.96	3991.32	4300.73	4925.58	2754.09	2794.24	3208.30	4780.21	4389.07	4434.80	4731.42	4500.86	3983.23	3319.57	3498.60	3167.56	0.97	0.00	0.64	0.00
ILMN_2867901	Cdc20	NM_023223.1	1687.86	1653.23	1991.69	1773.89	1618.15	1926.66	1080.63	1082.15	1394.55	1995.78	1940.45	2028.78	1879.78	1849.49	1953.59	1248.41	1536.80	1370.99	0.97	0.02	0.08	0.00
ILMN_2447875	6330509M05Rik		186.98	214.14	166.46	195.83	183.16	184.78	119.38	112.95	122.09	261.24	176.57	156.81	173.82	157.25	152.36	134.96	100.77	112.84	0.93	0.01	0.32	0.07
ILMN_2892376	Dhx29	NM_172594.2	205.92	209.50	232.64	231.13	185.28	232.92	101.16	111.23	179.87	263.05	217.87	261.68	247.37	235.86	263.26	161.15	165.84	177.57	0.98	0.03	0.94	0.01
ILMN_2658168	Tcf23	NM_053085.1	26.97	37.83	38.35	25.19	36.60	41.71	20.00	20.00	20.00	21.85	24.09	32.21	20.00	20.00	38.41	20.00	30.53	20.00	0.99	0.02	0.99	0.62
ILMN_1218051	Iqgap2	NM_027711.1	58.25	67.19	53.53	63.62	58.69	55.05	40.45	40.42	34.02	56.83	47.34	42.99	58.09	58.93	48.40	44.08	33.05	21.50	0.91	0.01	0.31	0.10
ILMN_1256807	C330019G07Rik	NM_194340.1	80.50	88.81	95.46	92.74	63.77	113.21	38.03	27.26	61.53	93.20	76.88	68.42	96.06	76.11	81.62	68.46	46.92	62.69	0.92	0.01	0.62	0.11
ILMN_1226839	Hist1h2ad	NM_178188.3	20565.07	20501.96	20215.16	20701.03	19258.38	20930.07	12260.38	12174.62	14329.62	18893.11	25924.03	21204.23	21428.60	23840.74	23175.42	15301.59	16031.36	14615.85	0.82	0.00	0.73	0.03
ILMN_2640457	Pcdhb22	NM_053147.3	150.91	153.96	149.37	143.93	128.96	181.87	104.43	97.33	95.87	99.70	106.75	97.84	115.53	100.84	105.34	83.43	70.11	78.27	0.99	0.00	0.32	0.01
ILMN_1227510	9330132O05Rik	AK020369	158.62	154.81	180.15	143.85	181.75	164.30	108.38	81.34	89.32	163.07	223.80	238.52	207.80	195.65	223.45	140.74	133.40	142.53	0.93	0.00	0.98	0.04
ILMN_2916035	Lmnb1	NM_010721.1	5689.57	5814.58	6102.98	5908.54	5430.88	6092.07	3601.94	3859.85	3680.45	6216.88	6242.14	5918.35	5769.89	5866.94	5963.15	4350.97	4483.05	4201.03	0.81	0.00	0.09	0.00
ILMN_1239087	Pex19	NM_023041.2	2697.04	2813.70	2829.08	3038.59	2770.29	2467.99	2163.50	2099.11	1384.24	2128.10	2966.76	2525.66	2630.80	2851.96	2742.89	1650.20	1996.32	1726.33	0.91	0.02	0.47	0.05
ILMN_1246495	Tmem9b	NM_020050.1	291.23	307.90	340.75	280.34	304.67	345.52	159.72	198.77	257.69	307.70	296.06	345.08	297.94	294.69	280.20	241.62	237.95	199.21	0.90	0.03	0.18	0.01
ILMN_1235757	Bloc1s1	NM_015740.2	989.73	1171.94	1007.15	1038.51	1112.83	976.06	577.02	668.34	657.78	798.39	1219.94	1158.65	856.08	1186.95	1123.66	679.68	669.23	740.25	0.85	0.00	0.98	0.05
ILMN_2675551	Abl1	NM_009594.2	24.45	39.56	41.96	43.29	45.25	20.00	20.00	20.00	20.00	20.00	21.17	31.53	20.00	46.13	22.64	20.00	20.00	20.00	0.93	0.05	0.59	0.31
ILMN_1224670	Ebag9	NM_019480.4	174.57	157.55	185.07	205.18	146.52	163.37	107.73	134.26	103.27	169.13	150.04	139.00	149.09	153.79	153.29	125.18	119.19	114.39	0.97	0.01	0.94	0.02
ILMN_1237939	Prkrir	NM_028410.1	843.67	780.84	958.54	797.34	862.25	882.84	543.95	495.62	647.72	792.71	795.68	736.53	801.14	807.61	853.04	630.35	591.27	564.79	0.83	0.01	0.14	0.00
ILMN_1256988	4933401B08Rik	AK077074	77.93	101.79	112.71	103.93	98.83	83.59	57.25	67.94	61.50	81.75	83.15	86.06	66.16	103.84	98.34	67.73	80.17	86.87	0.87	0.03	0.65	0.40
ILMN_2942573	Gipc1	NM_018771.3	238.47	233.38	212.20	227.47	254.14	195.49	175.22	153.72	118.33	165.16	200.41	202.32	231.78	200.30	195.75	147.16	137.62	155.02	0.91	0.01	0.29	0.03
ILMN_2467096	B430105G09Rik	XM_001474888.1	153.46	142.13	147.80	146.23	132.48	158.71	81.25	80.40	90.56	126.74	113.74	133.72	131.43	121.33	97.98	92.85	98.61	91.00	0.82	0.00	0.53	0.01
ILMN_2881024	1700040I03Rik	NM_028505.1	343.25	357.18	471.68	315.76	393.02	444.28	278.85	217.98	243.16	282.42	400.47	370.38	356.22	396.89	384.20	266.99	268.24	237.82	0.91	0.03	0.50	0.06
ILMN_1237629	Cntn2	NM_177129.5	39.09	30.17	40.99	23.74	34.63	56.05	20.00	20.00	23.36	33.53	45.89	38.93	36.95	32.01	37.84	30.03	25.82	22.91	0.90	0.01	0.39	0.03
ILMN_2732827	LOC100047155	XM_001477537.1	2207.93	2373.97	1889.72	2263.71	2364.39	1755.74	1656.09	1455.23	1155.63	1960.11	2293.14	2703.46	1895.08	2429.19	2105.56	1498.99	1487.22	1647.98	0.91	0.02	0.54	0.02
ILMN_2820948	Dbt	NM_010022.1	673.35	656.93	671.40	631.63	629.57	703.12	395.43	393.20	471.48	579.95	578.89	582.16	765.05	651.55	661.54	482.59	427.59	408.89	0.64	0.00	0.04	0.00
ILMN_2605679	Tln1	NM_011602.2	62.48	42.17	61.38	51.42	53.83	54.76	28.43	20.00	28.22	45.18	44.21	62.69	55.07	48.38	56.52	42.49	42.29	22.87	0.78	0.01	0.71	0.17
ILMN_2568092	Cog8	NM_139229.3	34.71	34.52	35.28	20.00	42.61	46.32	22.42	20.00	25.22	49.79	35.56	29.42	28.29	37.07	25.34	36.77	20.00	20.00	0.87	0.00	0.31	0.20
ILMN_2605575	Alg14	NM_024178.2	1198.97	1104.02	1124.15	1102.17	1131.85	1111.78	748.33	742.06	697.40	1023.22	1036.56	1012.97	1020.90	1086.51	1001.45	817.75	805.28	619.73	0.42	0.00	0.67	0.01
ILMN_2726603	Gbf1	NM_178930.3	55.80	59.92	71.46	52.90	55.90	75.20	23.19	27.53	20.00	39.85	69.61	76.71	78.45	80.68	76.75	45.66	69.66	36.92	0.91	0.00	0.22	0.49
ILMN_1223843	B930095G10Rik	AK047586	81.00	87.05	99.54	68.53	78.30	121.36	52.82	40.76	75.08	160.37	113.27	93.02	95.40	100.23	85.05	85.53	61.74	68.01	0.99	0.04	0.23	0.08
ILMN_1221503	Ccnd1	NM_007631.1	2653.96	2621.67	2458.07	2367.40	2692.57	2477.53	1328.75	1462.66	1521.97	3173.82	3030.75	2932.19	2654.40	2353.93	2244.63	2341.69	2032.75	1785.21	0.59	0.00	0.01	0.00
ILMN_2920753	Arhgef1	NM_008488.1	47.66	38.26	39.30	40.27	37.89	43.37	20.00	30.59	26.82	41.70	49.73	26.51	33.25	48.55	47.73	26.82	25.49	39.21	0.73	0.02	0.67	0.34
ILMN_2659617	Epn2	NM_010148.2	1286.38	1283.86	1189.76	1221.11	1348.92	1100.00	996.52	768.10	636.68	1065.52	1049.10	919.81	1012.29	1064.31	939.77	768.83	758.14	647.97	0.72	0.01	0.92	0.01
ILMN_2894574	B230339M05Rik	NM_177658.3	805.99	740.26	939.56	766.00	737.25	912.62	507.81	496.93	609.01	818.35	865.65	736.86	831.55	904.19	806.21	611.12	661.00	549.28	0.79	0.01	0.45	0.02
ILMN_2550908	9430002A10Rik	AK020399	93.09	97.22	105.50	78.93	95.57	115.76	61.11	60.19	59.92	89.78	94.90	90.94	100.20	78.80	84.40	83.08	73.07	63.21	0.88	0.00	0.57	0.03
ILMN_2600246	Dynlt1	NM_009342.2	49.36	62.30	75.02	62.96	55.07	60.72	30.12	36.47	40.68	71.78	117.38	169.97	69.85	130.23	134.40	51.45	82.62	92.71	0.75	0.03	0.83	0.23

ILMN_1252195	Arf3	NM_007478.3	1223.10	1300.11	1360.04	1076.02	1301.70	1407.99	835.30	749.22	850.92	1398.86	1363.89	1472.95	1226.20	1357.00	1443.97	931.46	890.50	1006.74	0.77	0.00	0.38	0.00
ILMN_3136789	5830472M02Rik	NM_029512.2	253.02	247.23	269.81	278.62	259.08	212.84	187.94	170.16	144.18	188.44	242.06	230.01	220.84	254.92	223.95	195.66	223.66	209.19	0.77	0.00	0.54	0.59
ILMN_2736999	LOC621824	XR_031998.1	580.31	583.38	606.62	631.17	612.43	480.03	384.70	424.99	256.08	588.43	537.49	464.87	398.64	504.39	453.28	407.33	452.70	289.33	0.76	0.01	0.17	0.07
ILMN_2485085	Tnc	NM_011607.2	51.42	68.92	62.43	69.22	56.49	50.91	39.40	37.21	37.50	50.32	67.90	58.81	55.43	71.83	60.41	37.46	37.97	69.26	0.80	0.01	0.64	0.41
ILMN_2934527	Spin2	NM_001005370.1	42.79	35.76	53.50	36.97	41.40	48.05	31.96	25.40	27.81	28.79	35.02	43.52	26.92	47.15	45.91	38.77	42.93	39.34	0.77	0.05	0.62	0.36
ILMN_1228942	Cd59a	NM_007652.2	139.15	147.62	118.24	133.82	118.11	137.65	82.06	81.88	87.48	114.64	103.46	118.09	102.37	122.62	105.48	85.57	79.34	63.50	0.65	0.00	0.82	0.01
ILMN_2746797	Hsf4	NM_011939.2	71.06	81.47	98.72	83.14	84.73	72.46	52.36	48.45	57.88	77.33	90.48	65.89	91.09	95.17	69.00	68.13	57.01	55.38	0.70	0.02	0.54	0.10
ILMN_1235638	A830007F21Rik	AK080590	29.77	33.32	43.25	28.22	35.39	38.34	20.00	20.00	21.10	25.76	38.91	36.80	33.48	33.58	46.69	20.00	29.21	20.00	0.79	0.02	0.53	0.10
ILMN_1238908	LOC385461	XM_358241.1	100.18	114.54	114.94	130.56	111.32	80.73	59.21	85.51	54.02	107.29	135.44	156.53	100.45	136.33	136.17	66.19	104.94	97.41	0.89	0.02	0.66	0.08
ILMN_2662690	Ptprf	NM_011213.2	166.74	133.19	206.66	124.12	169.45	193.31	110.53	93.63	101.93	169.65	151.62	185.19	173.08	165.91	197.03	158.76	92.72	112.35	0.83	0.04	0.51	0.10
ILMN_2863965	Pfn1	NM_011072.2	4034.33	3688.99	2839.90	3543.82	4226.94	2490.89	2523.44	2461.77	1709.82	2942.38	3595.31	3386.95	2914.52	3024.49	3650.58	2460.52	2170.95	2658.87	0.88	0.04	0.73	0.02
ILMN_2601840	Phf19	NM_028716.1	77.14	79.17	62.77	54.31	81.44	76.40	43.32	39.02	37.16	39.70	61.11	63.58	44.61	54.19	49.74	29.89	26.46	39.33	0.83	0.00	0.55	0.05
ILMN_2718330	Cish	NM_009895.3	198.06	196.32	179.56	195.40	182.98	171.95	104.54	122.64	91.84	177.38	178.17	156.64	186.12	175.49	153.96	128.48	125.38	130.35	0.43	0.00	0.93	0.00
ILMN_2453209	Abhd11	NM_145215.1	445.89	558.39	637.46	467.44	529.70	564.26	349.55	290.78	318.81	596.46	586.97	536.23	526.97	641.19	561.79	383.13	384.34	399.63	0.69	0.02	0.93	0.00
ILMN_1215903	Ap1s1	NM_007457.2	651.45	646.74	872.33	615.32	640.86	818.17	374.19	433.26	543.58	856.74	851.31	787.29	755.70	670.04	826.09	623.03	554.37	567.40	0.76	0.04	0.18	0.00
ILMN_1258336	Ly75	NM_013825.3	211.17	177.91	149.14	178.38	159.45	172.92	129.37	105.11	97.12	139.50	175.53	166.40	152.45	173.66	147.41	137.22	108.72	98.70	0.65	0.03	0.85	0.04
ILMN_2592239	Pigp	NM_019543.2	1962.55	1960.34	1965.98	1865.67	1939.26	1833.28	1293.34	1306.10	1232.36	1750.87	1635.30	1824.75	1765.74	1792.19	1691.17	1375.65	1168.98	1128.61	0.06	0.00	0.85	0.01
ILMN_2672597	Gng10	NM_025277.3	3846.20	3827.22	4759.48	3951.51	3865.68	4019.12	2427.30	2345.39	2919.80	4269.65	4291.20	4510.08	4314.27	4441.72	4350.07	3040.66	2935.09	2797.27	0.56	0.01	0.90	0.00
ILMN_3057018	Prrx1	NM_175686.3	935.69	1053.22	946.64	1056.06	941.80	819.21	626.84	655.68	596.11	717.07	971.29	1052.91	878.29	1004.58	1075.12	710.44	816.81	865.40	0.64	0.00	0.57	0.35
ILMN_2614752	Elovl6	NM_130450.2	321.51	299.31	338.68	298.61	304.87	312.31	150.66	162.36	230.18	323.02	334.11	345.80	361.27	372.90	333.76	245.04	231.11	244.24	0.29	0.01	0.18	0.00
ILMN_2503787	1110011C06Rik		972.23	1021.47	811.84	926.67	1037.01	729.04	640.83	610.76	528.10	714.54	877.11	793.46	856.97	823.42	971.66	576.70	519.87	526.43	0.75	0.01	0.24	0.01
ILMN_2421431	Stx12	NM_133887	1539.68	1568.12	1648.95	1453.95	1464.95	1621.45	1040.76	888.02	1078.33	1448.53	1587.87	1558.00	1474.98	1430.44	1389.82	1048.14	946.83	1085.80	0.32	0.00	0.11	0.00
ILMN_3093150	Npm3	NM_008723.1	757.30	737.52	735.03	679.60	685.55	764.37	457.97	441.90	387.26	643.59	653.02	605.94	683.66	612.78	613.86	575.56	416.22	379.53	0.30	0.00	0.93	0.05
ILMN_1252497	2810430B18Rik	AK013201	105.79	111.43	68.96	93.49	137.79	54.68	44.83	38.16	20.00	39.49	70.69	33.08	54.92	54.15	73.62	35.37	26.07	29.57	1.00	0.02	0.38	0.22
ILMN_2894984	2700038C09Rik	NM_025598.1	344.69	417.86	508.97	348.89	352.66	516.02	243.55	221.30	312.89	450.54	493.05	451.95	455.55	472.90	456.61	323.33	306.07	341.02	0.82	0.04	0.83	0.00
ILMN_2625680	Galnt1	NM_013814.2	223.97	174.37	176.65	144.35	179.91	229.85	120.06	134.07	116.49	215.17	219.22	230.53	200.32	226.92	206.74	151.90	151.91	157.11	0.83	0.02	0.33	0.00
ILMN_1251244	Zfp162	BC009091	173.02	225.75	176.65	163.85	197.17	182.74	101.04	127.47	124.23	178.59	198.65	188.40	186.37	175.47	205.74	157.22	162.88	158.61	0.62	0.02	0.95	0.01
ILMN_2569706	D230021E06Rik	AK051937	109.34	99.34	81.61	94.63	86.19	92.88	74.25	56.38	48.42	57.03	74.45	81.39	68.94	76.77	81.32	58.77	59.32	59.45	0.55	0.03	0.59	0.18
ILMN_1238770	Csgalnact1	NM_172753.3	56.23	60.67	48.39	45.58	49.20	62.88	33.79	37.19	29.31	56.16	48.31	37.77	40.62	37.81	28.46	46.40	39.78	22.27	0.71	0.01	0.14	0.28
ILMN_1249444	Sergef	NM_013789.1	162.88	154.24	222.06	153.54	166.32	186.32	94.23	90.23	109.92	217.41	225.95	176.19	175.89	166.17	200.39	153.75	132.42	137.96	0.66	0.02	0.24	0.02
ILMN_2593241	Melk	NM_010790.2	546.16	583.42	390.10	584.30	521.59	347.13	345.38	355.20	271.61	327.37	419.77	432.29	342.23	417.23	397.39	282.31	254.94	267.37	0.82	0.05	0.86	0.02
ILMN_2546510	EG434402	XM_001479948.1	512.66	527.52	627.33	478.41	483.13	623.97	377.94	343.43	377.91	564.87	540.05	537.94	600.38	563.14	546.96	396.44	452.79	373.50	0.67	0.01	0.28	0.01
ILMN_2914884	Tmem9b	NM_020050.1	713.50	683.24	678.66	707.67	651.96	609.33	483.71	406.54	372.25	634.77	706.23	699.83	648.21	721.43	735.85	410.74	498.02	538.09	0.31	0.00	0.58	0.01
ILMN_2842767	Btbd14b	NM_025788.2	192.31	242.61	214.98	200.43	210.79	201.42	130.04	119.10	137.20	166.13	192.99	178.00	209.49	208.79	188.16	176.77	137.71	152.04	0.45	0.00	0.09	0.16
ILMN_2747677	2310003L22Rik	NM_027093.3	339.98	325.17	310.67	315.24	323.55	285.35	191.72	189.59	161.32	311.54	311.18	296.35	296.50	306.32	330.33	212.01	217.78	186.44	0.30	0.00	0.70	0.00
ILMN_1249334	Arpc4	NM_026552.2	1334.17	1427.37	1372.75	1261.60	1361.11	1287.54	924.66	784.68	1063.36	1378.61	1600.89	1396.35	1372.26	1630.89	1343.50	1047.04	1069.85	1127.61	0.14	0.01	0.94	0.01
ILMN_2588995	Rab8b	NM_173413.2	1261.41	1285.07	1213.38	1381.42	1258.03	957.13	865.99	770.41	798.15	1172.61	1447.04	1388.41	1185.50	1141.58	1243.27	953.17	888.15	828.98	0.69	0.00	0.17	0.01
ILMN_2847332	Mid1ip1	NM_026524.2	1066.94	1036.86	885.29	986.62	1156.33	725.72	579.19	728.71	602.59	760.86	919.61	850.26	695.30	817.19	686.61	658.96	582.81	639.96	0.78	0.01	0.15	0.01
ILMN_2488125	Vrk1	NM_011705.3	56.14	45.21	79.88	88.51	60.63	31.90	31.00	21.86	20.00	59.54	94.56	79.53	94.98	96.35	97.89	61.79	30.14	51.89	1.00	0.03	0.14	0.10
ILMN_1214731	LOC100044190	XM_001471649.1	1475.83	1458.56	1122.44	1476.21	1542.45	895.17	995.57	961.92	651.91	953.37	1324.48	1108.55	1061.78	1310.33	1174.69	705.87	862.47	852.24	0.85	0.04	0.70	0.05
ILMN_2623112	B930006L02Rik	NM_178764.3	375.99	398.52	331.38	399.70	375.55	277.57	220.46	289.27	229.05	254.07	401.22	393.27	331.52	362.16	364.22	248.21	269.09	256.93	0.70	0.01	0.95	0.13
ILMN_2541190	1500034J01Rik	XM_912953.3	553.81	618.58	470.02	587.36	633.44	362.86	359.80	378.62	220.54	333.26	506.12	518.28	349.19	461.78	452.29	230.59	320.51	374.41	0.85	0.03	0.68	0.12
ILMN_2523281	scl0003781.1_22		115.31	127.60	118.67	114.24	117.75	108.45	66.45	59.99	46.38	106.63	118.13	74.98	72.81	75.58	70.15	48.79	78.94	56.78	0.20	0.00	0.11	0.07
ILMN_2593994	5033430I15Rik	XM_001473131.1	382.40	445.50	431.56	405.72	370.86	407.29	255.36	213.07	314.51	446.50	343.50	393.33	436.82	426.90	408.14	310.94	293.30	272.78	0.33	0.01	0.39	0.03
ILMN_2625687	Galnt1	NM_013814.2	436.22	460.98	397.87	416.45	406.02	393.31	256.98	243.25	290.07	422.57	443.67	436.21	370.93	419.57	405.95	315.62	322.32	313.39	0.25	0.00	0.09	0.00
ILMN_2733380	Snx17	NM_153680.2	260.98	246.89	297.52	275.43	248.52	232.39	177.78	161.18	165.55	283.10	342.25	313.97	262.87	341.14	321.54	220.80	262.98	203.82	0.45	0.00	0.88	0.03
ILMN_2866901	Efemp2	NM_021474.2	3236.49	2815.87	3250.16	2962.50	3090.19	2660.33	2138.58	1690.84	1849.12	3016.00	3053.48	2999.44	2902.66	2964.32	3135.13	2463.83	1821.63	2000.16	0.36	0.00	0.77	0.01
ILMN_1218923	LOC100041932	XM_001477842.1	63.15	75.99	82.99	69.53	63.06	74.62	46.64	36.43	29.29	75.58	74.14	57.06	54.36	77.83	70.09	33.58	60.40	27.14	0.50	0.01	0.88	0.07
ILMN_2855792	Pnpo	NM_134021.2	233.82	213.44	178.34	180.92	217.21	185.29	133.96	136.77	111.12	165.77	175.79	151.82	180.97	199.51	187.69	131.84	143.76	148.06	0.52	0.01	0.05	0.05
ILMN_1248002	Arhgap18	NM_176837.2	306.32	284.78	201.95	294.30	275.03	177.89	191.12	157.83	118.45	161.11	178.98	219.69	123.69	168.12	156.21	143.23	110.53	125.06	0.77	0.05	0.16	0.04
ILMN_2991660	Mif4gd	NM_027162.3	2155.91	2113.32	1667.97	2096.47	2211.66	1338.36	1342.63	1432.98	937.55	1016.11	1565.81	1743.91	1391.24	1696.76	1839.04	977.79	1098.51	1248.01	0.77	0.03	0.48	0.22
ILMN_2931384	Lrrc59	NM_133807.1	588.75	712.17	898.76	597.93	658.79	773.18	403.54	396.54	527.33	785.44	860.70	912.36	795.87	800.30	911.82	634.01	663.02	616.95	0.61	0.04	0.77	0.01
ILMN_3114998	BC043301	NM_001008549.1	59.07	44.24	57.76	54.14	44.61	50.50	24.52	21.47	39.30	50.44	54.55	43.54	52.36	50.45	76.63	45.74	54.00	27.29	0.51	0.03	0.32	0.45
ILMN_2984828	Ly6e	NM_008529.2	1389.06	1319.07	1481.69	1281.88	1379.86	1238.66	809.17	833.44	971.66	1295.81	1558.72	1447.73	1457.50	1445.53	1443.45	1056.81	1118.37	1069.50	0.20	0.00	0.86	0.01
ILMN_3163490	Ankrd13c	NM_001013806.1	62.04	43.36	56.13	49.49	49.67	49.49	33.14	33.99	36.04	56.13	43.26	43.04	38.04	49.49	45.89	29.65	40.29	34.25	0.48	0.03	0.61	0.07
ILMN_2851671	Myadm	NM_016969.1	1817.92	1720.68	1516.25	1661.32	1741.81	1319.47	1085.84	1033.96	923.26	1568.31	1832.42	1763.48	1370.12	1439.01	1595.55	1140.07	1288.17	1241.49	0.52	0.00	0.07	0.01
ILMN_1259379	Pdzd11	NM_028303.3	1517.46	1397.84	1244.44	1387.50	1523.30	1004.95	898.65	979.35	547.17	889.38	1414.77	1582.81	1173.69	1457.57	1485.93	756.03	931.64	1072.81	0.66	0.02	0.76	0.18
ILMN_2722602	Tcf12	NM_011544.2	38.07	36.53	31.69	23.89	32.97	45.02	25.40	20.00	20.00	55.81	45.78	40.43	38.03	39.34	40.31	43.87	33.95	25.00	0.83	0.01	0.15	0.14
ILMN_2609807	Sec61b	NM_024171.2	2045.67	2074.08	1686.29	1879.79	1914.79	1581.77	1400.97	1326.96	1093.85	1677.97	1801.42	1874.72	1706.34	1798.62	1784.30	1314.53	1345.24	1326.38	0.43	0.01	0.75	0.00
ILMN_1223230	Gstp1	NM_013541.1	3550.62	3280.23	3227.45	3135.18	3039.09	3129.43	2293.46	2372.76	1996.15	3034.16	3987.20	3934.51	3422.27	4120.76	4008.31	3146.11	3244.89	3452.72	0.07	0.00	0.63	0.31
ILMN_1246382	2010204K13Rik	AK008437	77.08	69.27	80.12	70.20	88.38	54.62	51.50	31.57	40.01	64.91	84.25	63.17	61.09	64.01	65.39	54.37	56.98	55.56	0.69	0.01	0.35	0.09
ILMN_1231048	Tmem79	NM_024246.5	58.12	46.83	42.08	48.53	51.02	36.39	22.54	28.44	32.33	41.34	41.14	41.46	58.56	45.39	60.66	46.07	43.71	32.29	0.60	0.02	0.05	0.89
ILMN_1227596	Pmvk	NM_026784.2	185.39	185.14	191.64	156.90	168.47	195.65	120.82	126.52	118.36	118.49	202.41	243.45	129.68	202.15	224.31	120.95	124.66	127.33	0.31	0.00	0.96	0.16
ILMN_2832228	Eif3s1	NM_144545.2	354.37	287.39	248.06	325.17	322.08	189.58	201.10	176.36	132.06	174.15	292.13	266.43	211.94	281.08	285.94	171.60	178.18	150.12	0.76	0.03	0.74	0.10
ILMN_1249637	Peg13	NR_002864.1	48.04	45.75	38.83	39.96	33.75	49.72	25.41	20.00	30.60	48.81	42.35	40.56	36.14	45.43	25.04	31.67	30.49	30.44	0.60	0.01	0.26	0.01
ILMN_2630605	Fscn1	NM_007984.2	4712.13	4560.10	3969.99	3755.51	4452.03	4003.21	2599.10	2541.78	2684.22	4249.19	4670.02	4448.73	3833.28	3671.01	4396.33	2778.70	3113.65	3032.44	0.32	0.00	0.12	0.00
ILMN_2734683	Fstl1	NM_008047.4	6591.60	5836.86	5023.67	6321.47	6021.89	3976.76	3773.09	4023.36	3203.27	4954.25	5840.88	5771.73	4816.11	5602.05	5728.00	3794.17	3900.53	4068.85	0.69	0.01	0.75	0.01
ILMN_2950286	Ankrd1	NM_013468.2	2440.15	2334.52	1834.57	2360.03	2416.35	1432.23	1291.46	1595.92	1198.94	1880.43	2739.12	2265.32	1762.10	1755.47	1755.53	1699.67	2043.95	2144.88	0.74	0.02	0.10	0.30
ILMN_2953513	Aldh3b1	NM_026316.2	350.01	315.84	231.75	318.33	324.74	193.58	186.83	179.08	119.55	180.88	305.44	332.33	198.90	268.19	294.60	139.42	179.01	178.90	0.73	0.03	0.75	0.09
ILMN_3162239	Prr7	NM_001030296.3	205.11	242.08	326.96	214.14	167.82	352.47	176.75	114.86	143.25	330.32	271.58	236.33	264.01	258.79	235.98	259.06	164.24	143.17	0.85	0.05	0.41	0.11
ILMN_3160683	Bbs12	NM_001008502.2	118.23	112.57	128.48	127.88	110.38	94.46	72.75	67.36	54.33	102.67	143.54	96.97	125.67	118.81	114.10	84.08	82.78	66.89	0.46	0.00	0.75	0.08
ILMN_1235499	Pros1	NM_011173.2	169.41	141.13	145.81	135.13	140.88	142.20	72.24	126.47	93.67	119.17	114.64	106.50	119.89	121.21	105.19	90.58	80.44	75.93	0.23	0.04	0.77	0.01
ILMN_2717975	Tcf7	NM_009331.3	132.48	107.78	85.83	112.47	137.32	61.35	51.96	65.68	69.00	65.38	60.57	81.02	76.81	65.87	94.37	49.87	75.51	86.75	0.86	0.03	0.39	0.90
ILMN_2555935	1810047K05Rik	AK032155	62.24	57.36	47.98	55.99	44.37	52.88	37.98	35.23	27.24	48.04	62.91	56.84	63.30	56.19	61.08	63.76	69.18	50.03	0.43	0.01	0.43	0.52
ILMN_2805714	B3galnt1	NM_020026.2	204.33	229.99	201.83	196.83	230.64	158.00	180.86	114.72	114.30	157.83	203.37	180.34	184.03	171.02	200.64	118.06	119.93	122.56	0.50	0.03	0.78	0.01
ILMN_2523947	Cdc42ep1	NM_027219.3	48.60	34.26	32.76	30.56	32.76	40.93	21.30	20.00	20.00	36.03	28.29	25.35	36.86	26.42	20.00	26.21	20.00	20.00	0.56	0.02	0.73	0.11
ILMN_1230152	Adamts4	NM_172845.1	639.35	648.54	710.87	634.30	618.96	562.69	493.72	398.95	382.90	430.09	590.96	577.13	420.80	512.23	475.63	376.06	447.90	394.18	0.12	0.00	0.34	0.09
ILMN_2773276	Nudt7	NM_024437	92.10	72.38	75.45	73.31	81.89	62.62	49.93	47.23	58.28	50.60	113.47	108.08	59.09	100.35	95.15	66.70	71.71	59.03	0.42	0.02	0.82	0.29
ILMN_1242334	0610040B10Rik	XM_001479510.1	70.76	93.95	74.40	72.51	83.01	61.25	62.53	41.51	37.27	58.32	82.86	63.04	73.77	77.77	70.82	44.39	41.13	55.73	0.48	0.04	0.48	0.07
ILMN_2626300	Rbm12	NM_029397.2	551.72	619.33	529.42	571.50	587.55	401.52	370.16	350.99	341.29	423.65	544.01	490.49	461.72	486.20	501.43	383.77	355.52	361.68	0.52	0.00	0.94	0.03
ILMN_2695867	Hlcs	NM_139145.4	52.68	67.00	66.43	58.91	38.10	77.81	43.47	40.11	32.31	57.67	72.92	54.05	76.37	63.60	44.97	51.15	38.52	32.22	0.78	0.02	0.99	0.06
ILMN_2741621	Birc2	NM_007465.1	145.23	138.51	114.22	111.25	110.81	138.71	95.31	76.54	80.23	94.12	120.54	108.02	88.10	107.87	93.13	74.88	84.10	71.41	0.40	0.01	0.31	0.02
ILMN_2716497	Ccne1	NM_007633.2	84.85	95.34	70.30	89.12	109.65	43.24	45.72	38.31	44.73	69.63	83.49	108.45	77.78	105.77	113.25	40.77	59.20	62.06	0.90	0.01	0.50	0.07
ILMN_2766596	Gmds	NM_146041.2	766.16	856.72	996.77	771.65	744.11	846.50	644.76	558.54	525.10	989.46	1117.05	972.06	890.13	975.17	779.40	851.11	763.35	653.62	0.31	0.02	0.12	0.02
ILMN_2512191	Gas2	NM_008087	41.85	33.24	28.95	30.52	43.50	22.46	22.88	20.15	20.00	32.52	34.78	43.76	30.04	34.90	50.71	28.43	25.39	20.83	0.74	0.02	0.84	0.04
ILMN_2664155	Pycr1	NM_144795.1	98.97	109.36	133.27	81.74	106.95	121.60	79.94	49.04	80.59	88.90	109.21	112.92	121.57	100.77	95.37	71.67	97.79	87.19	0.54	0.04	0.85	0.16
ILMN_2677531	Mospd3	NM_030037.1	107.86	103.86	180.76	80.08	121.13	153.28	62.85	45.37	61.99	195.66	125.83	135.36	110.17	131.45	155.52	99.27	95.60	70.73	0.72	0.04	0.48	0.05
ILMN_2788065	Nt5c2	NM_029810.2	181.52	165.61	164.84	166.74	172.61	126.17	120.56	111.62	83.96	150.52	136.28	163.57	134.00	132.29	157.67	111.40	113.53	129.27	0.38	0.01	0.48	0.03
ILMN_2956932	Acadvl	NM_017366.1	1296.15	1523.35	1563.59	1334.20	1342.90	1261.49	1101.94	947.76	822.73	1243.96	1390.94	1379.19	1178.36	1517.82	1433.66	879.45	1154.35	1079.45	0.16	0.01	0.75	0.03
ILMN_2952521	Prph	NM_013639.1	156.38	135.81	148.11	125.44	124.06	147.34	90.36	76.21	91.44	120.82	112.28	146.33	137.77	127.52	129.88	113.24	127.69	123.34	0.21	0.00	0.65	0.67
ILMN_1214817	D030028A08Rik	NR_003293.2	53.42	52.74	52.75	52.07	53.33	38.99	28.21	27.53	32.55	36.74	51.40	45.93	57.75	54.65	60.43	42.31	32.37	39.29	0.35	0.00	0.05	0.27
ILMN_2945777	Cyb5d1	NM_001045525.1	85.45	79.97	69.83	76.12	82.62	55.01	53.68	36.41	51.83	46.61	55.21	73.33	70.19	75.38	71.41	71.84	43.80	54.81	0.49	0.01	0.16	0.90
ILMN_2855261	Slc25a39	NM_026542.1	696.38	721.85	545.32	616.36	657.24	490.34	443.94	433.09	294.94	574.75	827.27	719.55	576.85	774.38	634.42	486.26	498.79	492.40	0.42	0.02	0.65	0.04
ILMN_3112837	Hdhd2	NM_029826.2	95.20	75.24	80.95	81.56	73.80	69.42	71.18	50.64	47.27	86.47	104.16	94.63	102.36	105.90	84.11	82.56	81.82	82.19	0.27	0.05	0.79	0.07
ILMN_2985969	Bub1b	NM_009773.1	421.09	385.47	487.09	394.98	396.97	362.94	259.84	177.10	230.11	308.29	491.89	510.08	457.49	505.15	481.29	238.13	337.40	325.63	0.22	0.01	0.54	0.13
ILMN_2664909	Mesdc1	NM_030705.4	217.84	211.06	187.46	193.32	223.38	142.87	128.93	156.10	63.98	141.74	161.40	159.34	120.29	135.93	143.25	106.91	104.54	132.74	0.49	0.04	0.08	0.02
ILMN_2542550	Ttc5	NM_001080949.1	53.85	48.68	41.45	42.37	61.41	29.82	24.45	30.73	20.00	21.81	45.55	47.61	20.00	29.59	29.74	20.00	27.36	25.64	0.74	0.01	0.25	0.18
ILMN_2682190	Mpdz	NM_010820.2	82.04	67.06	71.65	67.37	49.71	83.95	44.31	51.44	39.26	54.35	55.01	70.29	50.95	56.53	44.50	61.25	46.56	48.75	0.58	0.01	0.21	0.33
ILMN_2968729	Nqo2	NM_020282.2	757.33	670.56	657.77	711.30	646.43	516.34	487.78	468.37	364.23	569.78	722.09	687.68	633.42	674.71	692.16	444.55	540.41	493.18	0.34	0.01	0.90	0.04
ILMN_1245710	Ccl2	NM_011333.3	1914.53	1864.22	1331.26	1882.62	1957.51	908.87	770.99	1216.58	641.84	927.83	1602.01	1707.68	933.06	1270.87	1387.32	794.81	1024.29	1277.58	0.77	0.03	0.48	0.25
ILMN_1250588	Ptk7	NM_175168.3	250.91	220.57	178.29	203.43	197.51	172.81	116.56	103.45	62.08	150.19	170.68	217.61	194.62	188.79	174.42	154.02	125.51	98.94	0.33	0.01	0.77	0.10
ILMN_2717460	Ndufb7	NM_025843.3	636.19	643.15	605.10	581.70	558.09	536.56	401.56	400.92	392.13	519.31	669.00	614.83	533.25	667.60	621.88	412.07	392.72	462.52	0.02	0.00	0.92	0.02
ILMN_1234589	Ppa2	NM_146141.1	439.73	397.52	336.99	361.59	404.19	281.28	234.11	237.06	171.39	249.70	379.51	298.40	281.13	379.61	354.35	194.54	214.18	245.61	0.42	0.01	0.58	0.09
ILMN_2625716	Hook3	XM_134108.3	348.51	370.56	264.55	347.09	331.16	206.63	229.89	241.63	166.52	203.86	264.83	264.07	257.39	265.73	273.62	162.39	186.26	194.99	0.58	0.04	0.36	0.05
ILMN_1246655	Plekhg2	NM_138752.2	70.35	61.99	63.05	54.49	55.80	62.58	20.00	41.18	41.79	45.47	66.55	33.32	76.06	40.85	57.42	28.83	35.17	26.92	0.11	0.02	0.53	0.14
ILMN_2795040	Hist1h2ad	NM_178188.3	7319.03	8088.89	9147.06	7169.83	7548.56	6910.76	4856.35	5319.56	4923.69	8472.68	10086.96	8142.11	8668.31	10183.46	9747.67	5706.64	6682.81	5630.83	0.16	0.00	0.45	0.01
ILMN_2773485	Thnsl2	NM_178413.4	33.53	42.12	55.16	35.59	22.62	66.69	20.00	27.44	23.49	51.18	31.26	33.79	42.37	43.19	37.72	25.86	20.00	20.00	0.90	0.04	0.74	0.06
ILMN_2662831	LOC665181	XM_979372.1	499.33	468.92	490.55	440.04	416.70	420.47	350.82	309.46	265.06	475.16	655.84	616.46	449.59	623.53	597.72	341.18	460.81	484.93	0.01	0.00	0.76	0.10
ILMN_2497455	D430007A19Rik		50.27	61.83	45.32	49.57	48.85	39.00	28.19	31.26	27.61	50.39	44.95	51.07	58.40	51.56	54.26	40.36	38.92	43.44	0.33	0.01	0.10	0.03
ILMN_2951955	Zcchc3	NM_175126.3	79.01	92.97	80.01	64.03	79.60	77.21	49.44	45.50	40.86	90.82	91.24	95.22	95.82	95.89	115.69	91.44	90.08	66.78	0.19	0.00	0.21	0.30
ILMN_1225825	LOC100039175	XM_001472394.1	36.31	34.09	42.43	33.80	52.00	20.00	20.00	26.87	20.00	20.00	28.90	27.46	20.00	22.70	29.81	20.00	20.00	20.00	0.82	0.01	0.77	0.12
ILMN_2609323	Lst1	XM_359281.1	67.92	68.98	96.58	64.09	84.24	56.01	26.92	26.19	23.71	58.83	70.17	79.78	73.24	67.87	85.69	28.48	54.38	69.13	0.48	0.01	0.50	0.23
ILMN_1249635	Leprel1	NM_173379.2	103.17	89.49	100.92	87.04	79.71	89.60	38.70	58.93	75.16	93.43	74.67	70.04	50.30	44.69	66.57	62.53	59.41	64.70	0.07	0.02	0.06	0.08
ILMN_1216987	Abca2	NM_007379.2	50.99	51.31	64.13	32.64	39.38	87.03	34.52	26.32	40.73	63.93	47.22	49.39	52.44	58.89	56.84	51.66	33.86	42.14	0.90	0.02	0.67	0.21
ILMN_3156419	Nusap1	NM_001042652.1	56.49	48.96	43.64	50.45	40.99	38.89	28.12	20.00	20.00	23.54	44.01	39.29	52.61	46.63	41.54	39.10	33.86	20.00	0.29	0.00	0.18	0.61
ILMN_2647793	Rab13	NM_026677.3	172.99	173.09	204.05	151.57	181.94	147.62	121.42	125.18	85.89	128.26	200.68	164.52	141.48	185.77	165.15	125.27	120.21	119.25	0.20	0.01	0.99	0.11
ILMN_2939185	BC056474	NM_001001493.2	517.75	506.29	540.01	494.79	515.84	368.96	370.26	281.92	289.77	378.14	497.99	500.33	382.33	479.91	469.87	314.38	363.39	290.80	0.26	0.00	0.79	0.04
ILMN_3032560	Slc39a7	NM_008202.2	106.66	95.55	126.18	130.54	86.17	75.57	86.93	61.93	49.82	72.54	132.30	128.78	103.60	107.80	138.63	89.60	120.60	120.74	0.56	0.04	0.82	0.97
ILMN_2732642	Kptn	NM_133727.1	177.07	180.57	167.28	193.44	171.41	106.57	122.99	125.09	92.94	122.69	165.74	144.99	109.30	175.65	169.56	109.03	97.89	101.84	0.54	0.01	0.79	0.03
ILMN_1254276	Hist2h2ac	NM_175662.1	61.74	55.84	43.59	42.14	62.97	37.36	24.39	41.21	20.00	24.00	44.81	40.80	41.63	34.49	60.49	20.00	27.17	36.22	0.55	0.04	0.42	0.33
ILMN_1231686	Pcaf	NM_020005.3	158.56	170.87	144.22	149.25	163.80	104.99	79.14	85.36	80.12	106.63	128.43	131.09	116.74	140.15	127.20	92.92	92.22	85.28	0.39	0.00	0.59	0.02
ILMN_2731057	Psme2	NM_011190.3	700.16	588.99	752.72	655.92	573.68	541.50	443.06	363.90	470.44	624.15	787.68	683.49	680.79	764.37	699.28	509.16	517.84	461.58	0.20	0.01	0.78	0.02
ILMN_2797689	Churc1	NM_206534.1	1074.87	1016.06	1017.09	917.85	975.21	811.65	768.55	723.74	523.68	692.86	1229.34	1032.99	830.65	1050.37	1036.82	662.00	780.03	686.05	0.06	0.01	0.95	0.16
ILMN_1244086	Impa2	NM_053261	208.22	200.88	189.94	188.81	196.59	138.67	136.21	144.79	103.65	174.64	166.16	166.61	138.44	144.58	154.62	149.47	117.83	120.85	0.26	0.01	0.01	0.02
ILMN_2545718	Msh5	AK017308	41.08	45.37	26.74	33.14	48.64	20.00	20.00	20.00	20.00	24.22	42.03	31.24	26.40	42.53	32.53	20.00	20.00	21.66	0.72	0.03	0.86	0.08
ILMN_2967622	Gpsm1	NM_153410.2	218.47	214.32	193.14	191.13	222.94	137.06	139.21	131.65	74.20	197.61	238.28	220.13	157.69	183.74	189.20	139.16	165.43	138.76	0.40	0.01	0.05	0.01
ILMN_3161518	Gpr180	NM_021434.4	87.56	65.65	77.08	57.27	73.53	67.91	48.23	42.78	57.14	85.68	63.39	77.34	81.40	82.66	81.39	69.89	44.90	51.63	0.25	0.02	0.39	0.11
ILMN_1212875	Arhgef19	NM_172520.2	351.55	387.67	396.12	342.46	290.04	350.48	245.35	255.19	241.30	368.89	378.49	359.79	356.51	372.75	384.06	283.27	259.75	265.18	0.10	0.00	0.84	0.00
ILMN_2607408	Pcbp4	NM_021567.2	4095.57	4092.84	3260.46	3562.87	3772.91	2601.81	2740.40	2587.37	2047.57	3448.65	3928.07	3999.82	3437.07	3575.06	3555.91	3031.72	2973.08	3036.00	0.33	0.02	0.21	0.01
ILMN_2521893	scl0015365.1_6	BC064076.1	78.02	76.57	116.78	81.62	78.68	69.41	53.44	31.73	46.21	89.63	104.37	96.47	101.57	95.33	85.12	74.28	89.54	70.04	0.37	0.03	0.68	0.06
ILMN_1253850	Stim2	NM_001081103.1	284.71	268.61	227.00	230.39	266.99	178.74	143.22	151.97	81.66	180.48	318.30	222.40	174.98	246.04	213.50	101.82	144.17	138.65	0.32	0.01	0.56	0.06
ILMN_2703385	H2afv	XM_001476068.1	1421.70	1376.27	1545.24	1333.22	1334.41	1075.21	1084.18	980.93	821.03	1185.92	1764.53	1664.84	1195.61	1767.24	1653.02	1043.34	1118.80	1114.75	0.12	0.01	1.00	0.07
ILMN_2918838	Ptms	NM_026988.1	250.49	258.09	298.45	263.46	238.39	193.31	131.73	136.41	158.62	175.49	247.16	248.09	210.14	262.59	235.82	114.51	177.30	134.90	0.22	0.00	0.68	0.06
ILMN_1230038	Vti1a	NM_183291.1	261.31	271.47	234.76	246.53	246.93	170.86	157.07	133.02	123.52	188.91	215.08	210.77	192.96	183.59	207.97	172.76	130.00	159.73	0.28	0.00	0.40	0.03
ILMN_2785353	Il17rc	NM_134159.2	370.40	376.06	329.79	364.24	318.14	247.17	275.16	273.73	169.48	249.83	303.96	311.22	290.45	346.20	337.01	241.30	229.92	221.17	0.26	0.03	0.24	0.05
ILMN_2683593	Fubp1	NM_057172.1	354.85	371.64	336.58	344.43	271.89	292.93	216.70	231.51	256.15	398.85	379.40	417.89	375.05	361.13	370.66	283.20	293.30	301.88	0.10	0.00	0.07	0.00
ILMN_2486694	Mmp24	NM_010808.3	1815.18	1675.43	1167.87	1623.88	1671.54	808.35	904.23	920.65	482.95	892.45	1370.69	1278.84	836.42	1239.85	1217.59	669.90	869.83	747.02	0.62	0.03	0.70	0.06
ILMN_1234812	Dap	NM_146057.1	1835.67	1561.76	1519.94	1626.42	1549.97	1067.28	1041.36	1173.61	978.28	1639.66	1915.35	2243.48	1478.66	1684.19	2031.16	1184.37	1655.05	1737.71	0.33	0.01	0.44	0.17
ILMN_1224834	LOC230628	XM_904152.2	60.65	79.71	45.18	67.42	64.37	30.88	40.48	27.20	20.00	24.15	44.59	38.46	20.00	32.06	25.34	20.00	20.00	20.00	0.65	0.05	0.23	0.06
ILMN_1237255	Leprel1	NM_173379	66.29	66.79	46.90	71.02	63.15	28.39	37.62	42.09	22.45	29.47	58.98	38.09	24.15	30.26	34.52	22.05	25.15	30.64	0.71	0.04	0.25	0.15

ILMN_2516447	scl000171.1_4		70.63	53.25	53.48	46.60	35.47	74.46	20.16	29.34	44.73	65.38	63.04	57.51	63.78	76.18	54.22	46.46	38.53	39.82	0.62	0.04	0.71	0.00
ILMN_1252719	Wbscr22	NM_025375.2	152.86	123.05	148.24	106.58	120.75	132.05	58.15	65.26	98.07	121.09	156.60	133.10	136.01	143.61	172.52	97.62	136.59	99.31	0.14	0.01	0.42	0.19
ILMN_3163572	Adcy7	NM_001037723.2	106.24	107.03	95.98	118.80	91.76	61.02	86.53	70.60	43.68	95.86	117.66	111.23	96.32	121.58	109.57	81.92	82.71	78.23	0.50	0.05	0.93	0.01
ILMN_3122427	Suclg2	NM_011507.1	624.28	570.43	472.00	570.09	489.97	366.43	396.44	332.33	302.46	536.34	506.08	535.62	511.57	494.18	502.98	411.32	323.69	348.23	0.34	0.02	0.11	0.00
ILMN_2698519	Hist1h3h	NM_178206.2	159.41	159.47	140.54	143.51	150.17	100.60	75.56	78.35	49.46	140.00	216.87	166.76	139.09	192.90	189.37	106.28	119.01	122.73	0.26	0.00	0.98	0.06
ILMN_2760254	Mrgprf	NM_145379.2	87.53	88.49	79.99	66.10	75.50	73.77	54.14	42.92	74.33	65.95	63.77	61.02	78.20	61.00	51.72	53.13	43.57	77.85	0.03	0.04	0.99	0.63
ILMN_1254985	Arhgef9	NM_001033329.2	41.93	39.62	29.40	33.63	43.05	20.00	20.00	20.00	20.00	20.00	31.95	27.30	20.00	24.26	35.06	20.00	20.00	20.00	0.57	0.01	1.00	0.14
ILMN_2956726	Slc2a10	NM_130451.1	113.46	113.80	140.78	81.72	103.42	126.73	43.81	48.30	69.26	74.28	127.14	134.84	107.29	108.59	108.75	71.54	66.11	48.50	0.30	0.00	0.85	0.07
ILMN_1253929	9430038I01Rik	XM_917763.2	153.82	156.60	176.81	130.70	139.84	137.06	98.74	109.36	114.41	144.21	168.17	167.09	154.60	167.79	173.81	136.90	102.84	103.96	0.03	0.00	0.59	0.03
ILMN_2898578	Atp6v1c2	NM_133699.1	45.45	41.78	41.07	36.44	25.17	49.61	27.54	21.19	34.50	38.27	27.72	24.28	38.14	36.67	22.58	29.10	33.89	20.15	0.47	0.02	0.73	0.70
ILMN_2935389	6330548G22Rik	NM_029532.2	28.67	38.36	42.73	47.03	27.73	20.85	27.22	23.42	20.00	20.00	37.53	28.13	27.04	27.11	31.97	36.13	32.50	31.29	0.62	0.05	0.98	0.42
ILMN_3086889	Gprk6	NM_001038018.1	221.47	245.39	254.56	173.62	210.20	218.88	158.82	136.21	147.76	220.10	241.90	244.28	216.56	235.00	209.74	175.49	181.59	199.37	0.08	0.00	0.24	0.01
ILMN_2904590	Nes	NM_016701.3	80.31	58.70	49.26	63.94	47.76	43.69	38.62	31.92	33.95	51.52	80.65	72.27	52.33	65.12	68.35	36.15	83.65	31.99	0.38	0.04	0.57	0.40
ILMN_1214517	1700025K23Rik	NM_183254.1	515.90	581.52	471.04	556.72	531.82	273.19	371.33	346.60	221.50	201.30	432.81	420.25	372.86	425.79	449.88	227.37	286.39	254.26	0.51	0.02	0.46	0.28
ILMN_2945551	Ptplb	NM_023587.2	57.01	70.49	77.87	65.82	69.96	38.52	29.98	38.65	51.04	27.43	66.01	57.96	57.14	64.77	75.00	56.28	32.39	36.57	0.42	0.03	0.30	0.56
ILMN_2716543	Lhx1	NM_008498	52.76	68.71	78.65	51.67	49.18	63.43	34.28	31.24	49.08	80.22	89.32	67.65	67.83	70.93	61.81	50.07	55.25	54.61	0.24	0.04	0.15	0.02
ILMN_2539543	LOC383439	XM_357056.1	43.79	37.82	54.02	28.11	39.48	45.25	21.47	24.49	34.37	41.36	50.04	52.13	37.81	59.50	47.82	42.14	36.38	21.98	0.33	0.04	0.94	0.10
ILMN_1219106	Rrad	NM_019662.1	79.73	102.43	115.69	79.65	71.11	93.45	55.48	46.50	57.95	119.45	99.28	81.27	113.95	107.84	104.50	62.45	88.15	71.39	0.22	0.01	0.48	0.12
ILMN_1238615	Cul2	NM_029402.2	43.51	35.73	30.44	38.62	30.37	22.25	21.63	20.00	20.00	38.21	28.50	26.66	20.00	25.67	34.66	27.67	20.00	21.14	0.37	0.01	0.48	0.13
ILMN_2959787	Yif1a	NM_026553.2	49.76	36.26	38.47	32.40	35.92	32.86	20.32	23.13	20.00	34.23	30.46	29.07	20.00	31.97	33.95	20.00	20.00	24.64	0.15	0.01	0.60	0.01
ILMN_2651698	2310046O06Rik	NM_175273.2	114.84	128.93	127.59	120.30	119.54	71.89	44.87	72.89	84.04	75.35	124.72	123.32	86.67	104.85	125.88	94.37	67.18	67.16	0.30	0.01	0.92	0.16
ILMN_1221224	Siglecg	NM_172900.3	35.26	41.67	41.83	29.66	20.00	56.06	25.41	20.00	20.00	47.98	46.61	54.77	37.36	44.15	37.48	55.40	51.40	40.97	0.71	0.00	0.04	0.92
ILMN_2775285	1500011H22Rik	NM_026883	218.39	153.62	168.85	167.80	152.85	119.24	125.66	102.80	104.21	158.11	235.87	190.81	206.08	200.54	183.14	155.41	140.51	140.05	0.24	0.03	0.95	0.10
ILMN_1228980	G430008M12Rik	AK089939	189.98	167.06	138.09	136.01	147.96	116.83	115.49	73.27	89.35	169.40	157.34	176.03	94.65	133.84	124.00	127.61	107.66	107.97	0.15	0.02	0.02	0.00
ILMN_2545897	2310016E02Rik	NM_024460.3	51.41	34.62	49.78	29.16	37.13	43.76	27.31	32.69	21.92	46.04	38.82	44.54	48.02	41.45	33.53	39.47	38.70	23.11	0.28	0.04	0.68	0.18
ILMN_2644504	Rnase4	NM_201239	31.24	27.77	34.52	37.95	21.01	20.00	22.03	20.00	20.00	31.85	24.94	37.15	28.66	20.00	33.42	20.00	32.59	22.50	0.47	0.01	0.50	0.30
ILMN_1246808	Serpine2	AK045954	32.23	36.64	34.84	20.00	33.31	32.75	22.08	20.00	24.98	39.86	36.06	35.99	45.97	46.40	49.03	25.17	28.67	30.42	0.26	0.00	0.00	0.01
ILMN_2742695	Clca6	NM_207208.3	50.52	45.59	39.54	37.61	33.37	37.62	27.30	20.00	20.00	54.50	29.20	35.62	24.64	34.50	26.05	20.00	24.88	20.00	0.06	0.00	0.24	0.08
ILMN_2635122	Srl	NM_175347.4	35.61	40.52	37.82	29.19	33.52	28.71	22.93	22.02	30.20	48.43	32.75	32.39	24.70	32.22	32.67	33.57	21.18	26.47	0.02	0.01	0.25	0.17
ILMN_3101385	Cdipt	NM_138754.1	30.41	43.06	37.69	28.23	42.59	20.82	20.00	20.00	20.00	44.84	50.90	44.60	51.51	37.28	55.25	35.49	33.65	35.19	0.43	0.01	0.84	0.00
ILMN_2596851	Lasp1	NM_010688.4	105.35	95.04	106.91	78.05	74.06	93.77	37.22	72.07	67.27	94.97	112.70	114.23	78.01	88.11	109.72	78.96	122.92	98.41	0.04	0.02	0.24	0.64
ILMN_2608997	Adc	NM_172875.2	41.66	34.35	34.73	24.07	37.37	27.71	20.00	25.11	22.25	43.18	25.99	36.19	31.62	31.16	29.43	20.00	23.70	20.00	0.19	0.01	0.43	0.05
ILMN_2547762	1700081D05Rik	AK006963	60.09	52.54	54.65	56.26	27.28	56.12	34.68	31.12	34.46	41.89	38.61	37.70	46.79	46.91	46.77	36.58	29.08	30.11	0.40	0.00	0.00	0.05
ILMN_2945835	Bak1	NM_007523.2	62.64	69.02	62.77	61.85	46.90	46.07	38.72	22.55	23.53	47.18	82.19	70.14	61.33	89.35	96.78	49.09	47.53	58.61	0.08	0.00	0.34	0.25
ILMN_2744909	Gmppb	NM_177910.2	69.63	56.46	74.40	51.89	54.69	50.07	25.57	36.12	20.00	20.00	83.00	83.29	53.83	74.01	74.18	23.41	41.77	59.08	0.06	0.01	0.82	0.43
ILMN_1254075	Tomm40l	NM_001037170.2	314.46	251.55	227.48	270.68	281.04	114.14	170.06	138.64	111.22	163.06	339.38	265.95	147.74	284.33	245.28	99.17	199.34	169.44	0.52	0.02	0.67	0.17
ILMN_1253503	1190028F09		120.19	107.53	95.08	113.35	109.15	47.86	49.07	76.67	44.40	76.03	118.34	91.70	80.63	106.90	108.85	81.64	79.73	79.02	0.48	0.01	0.83	0.29
ILMN_1250687	EG627022	XM_891654.3	93.68	88.20	94.51	78.01	65.28	73.55	76.82	51.53	45.00	92.44	114.75	112.38	84.01	96.98	120.04	100.27	93.09	78.00	0.01	0.03	0.65	0.17
ILMN_2987487	Tmem171	NM_001025606.1	34.65	47.14	33.23	30.31	40.50	20.99	20.00	22.20	27.14	26.86	35.17	35.29	29.15	20.00	28.33	27.54	31.74	26.36	0.34	0.04	0.18	0.29
ILMN_1253224	Dhcr24	NM_053272.2	78.56	98.13	86.03	63.72	70.82	69.15	53.36	46.55	72.02	110.33	102.23	112.11	101.96	106.00	88.05	76.77	86.56	79.96	0.03	0.03	0.20	0.00
ILMN_1255190	C1rl	NM_181344.4	43.01	51.77	58.66	34.60	45.31	39.08	22.61	20.00	20.00	35.63	43.89	62.65	43.41	40.55	34.04	20.17	36.84	29.39	0.10	0.00	0.39	0.12
ILMN_2754940	LOC100047808	XM_001478908.1	37.64	30.38	38.83	20.00	32.51	32.00	20.00	20.00	20.00	21.50	32.30	35.93	23.27	46.69	32.01	25.74	20.00	20.00	0.20	0.00	0.64	0.17
ILMN_2615709	Spc24	NM_026282.4	394.14	277.97	382.71	305.25	265.84	238.91	221.90	198.67	174.61	263.64	402.32	445.51	281.97	341.28	349.30	160.31	221.97	247.40	0.12	0.02	0.48	0.06
ILMN_3113686	Hps5	NM_001005248.1	66.57	64.33	62.73	42.46	53.46	54.28	32.49	40.44	30.95	42.97	63.82	43.13	43.51	40.48	37.18	46.40	37.80	22.35	0.02	0.00	0.25	0.22
ILMN_2599527	Cyhr1	NM_019396.1	250.70	297.28	269.13	193.22	220.02	215.52	160.52	170.71	164.71	229.22	245.59	230.31	249.54	224.96	238.78	190.58	179.08	135.33	0.02	0.00	0.77	0.02
ILMN_2604411	Zc3h12a	NM_153159.1	27.32	35.09	36.42	24.98	23.87	26.73	20.00	22.62	20.00	20.00	26.50	28.39	30.34	29.46	30.36	20.00	20.76	20.00	0.06	0.02	0.12	0.14
ILMN_2638354	Prdx2	NM_011563.2	135.20	181.17	193.49	126.04	137.22	122.18	108.89	117.85	108.14	87.88	152.64	147.79	140.43	150.53	178.27	129.40	103.39	111.71	0.09	0.03	0.32	0.55
ILMN_2631514	BC017612	NM_133214.2	104.55	92.67	137.60	92.55	67.31	94.91	65.44	20.00	34.75	179.79	135.42	88.61	122.55	92.45	71.71	111.19	101.98	45.20	0.17	0.02	0.27	0.22
ILMN_3120014	Sri	NM_001080974.1	2647.85	2198.59	1892.23	1918.59	2071.23	1224.96	1706.64	1572.86	1155.06	1565.41	2460.04	2076.82	1673.18	2319.38	2233.31	1275.40	1612.17	1943.50	0.21	0.05	0.91	0.26
ILMN_1237338	Ddx25	NM_013932.3	30.31	36.10	43.02	33.39	22.42	27.20	22.07	20.00	20.00	25.11	26.80	34.10	28.82	24.28	20.00	21.17	21.97	20.00	0.14	0.01	0.32	0.05
ILMN_2709166	Susd2	NM_027890.4	46.55	56.55	50.42	38.17	29.17	50.96	20.00	20.00	24.87	64.04	33.37	35.18	30.46	33.29	25.22	20.00	22.06	20.00	0.17	0.00	0.23	0.08
ILMN_2683119	Plekha8	NM_001001335.1	45.42	28.07	36.54	26.65	32.11	23.23	20.00	20.00	20.00	32.54	32.82	46.06	45.95	46.21	42.29	20.94	27.96	28.27	0.17	0.03	0.17	0.09
ILMN_1251995	Ttll4	XM_129771	41.82	26.83	30.86	23.77	30.61	20.00	20.00	20.00	20.00	20.00	20.00	21.86	20.00	24.64	21.98	21.98	20.00	25.01	0.20	0.04	0.34	0.34
ILMN_1224572	2510009E07Rik	NM_001001881.1	34.92	49.03	45.57	34.50	32.10	29.32	20.00	20.00	34.43	24.49	23.99	42.53	42.42	32.26	33.23	20.00	20.00	20.00	0.07	0.05	0.46	0.17
ILMN_2714928	1110033K02Rik	XM_355941	105.79	119.88	107.92	89.27	88.15	71.88	75.68	88.47	53.49	81.05	93.90	86.17	67.10	105.38	97.15	64.19	79.79	81.87	0.02	0.03	0.83	0.15
ILMN_2796842	Abl1	NM_009594.1	43.35	37.75	46.92	34.27	45.14	20.33	31.14	20.00	22.24	36.34	35.11	41.54	37.51	43.90	37.37	20.00	34.76	20.00	0.29	0.01	0.54	0.07
ILMN_2576172	Sfxn5	AK043706	26.69	35.42	31.69	20.00	29.83	20.00	20.00	20.00	20.00	20.00	29.20	20.00	34.53	20.00	20.00	20.00	20.00	20.00	0.13	0.01	0.77	0.37
ILMN_1216827	6330503C17Rik	XM_181410.4	56.08	52.87	47.70	36.19	45.26	34.38	41.61	20.00	20.00	35.20	62.63	45.49	45.40	47.55	43.23	21.71	30.41	20.00	0.03	0.03	0.78	0.05
ILMN_2957617	Gpr172b	NM_029643.2	34.44	32.91	46.80	20.00	25.82	40.80	20.00	20.00	20.00	22.09	25.37	34.92	39.09	37.17	30.75	20.00	20.00	20.00	0.29	0.01	0.15	0.12
ILMN_2748229	Pkmyt1	NM_023058.3	63.81	42.19	63.05	41.33	44.33	36.48	41.19	22.72	22.40	29.94	54.64	73.21	24.27	54.58	56.35	37.33	48.52	47.37	0.10	0.04	0.67	0.56
ILMN_2932713	Pim1	NM_008842.2	43.12	43.84	47.26	27.83	31.19	40.35	36.68	20.00	33.56	49.78	43.37	39.97	30.17	29.11	36.89	20.00	39.99	24.85	0.04	0.05	0.03	0.07
ILMN_1229828	Adamts10	NM_172619.2	51.83	39.30	30.87	25.34	47.68	20.00	20.00	25.83	20.00	20.00	23.20	26.43	21.03	24.53	20.72	20.00	20.00	20.00	0.41	0.04	0.64	0.16
ILMN_2471161	scl0003955.1_3	AK041138.1	82.54	55.03	62.26	57.37	63.43	29.42	20.00	31.49	27.94	35.86	86.75	76.76	49.06	70.58	62.16	33.30	22.54	37.41	0.28	0.01	0.74	0.09
ILMN_3129924	Xkr7	NM_001011732.1	31.10	28.64	33.79	27.10	20.00	20.00	20.00	20.00	20.00	20.00	23.14	20.00	25.93	28.88	20.00	20.00	25.36	20.00	0.03	0.00	0.24	0.74
ILMN_1229755	Hist1h3c	NM_175653.1	62.97	51.04	74.74	60.09	38.43	36.25	36.23	28.27	20.52	80.48	72.06	63.29	64.61	57.55	73.66	56.89	46.77	44.60	0.15	0.01	0.38	0.02
ILMN_2787172	Tpm2	NM_009416.2	53.22	53.38	61.07	31.76	48.41	37.29	22.00	41.60	37.84	74.71	44.65	44.85	52.59	62.15	57.31	47.45	34.63	31.60	0.04	0.03	0.81	0.20
ILMN_1231952	LOC100044101	XM_001472383.1	155.58	164.54	171.53	126.70	112.66	99.09	121.09	91.92	82.31	154.16	186.11	163.10	140.73	171.48	155.99	115.37	103.01	124.45	0.01	0.01	0.42	0.01
ILMN_2592321	Cdh13	NM_019707.4	50.63	44.74	46.79	34.07	24.72	39.18	20.35	29.64	33.43	42.88	26.46	25.64	36.04	38.47	44.59	34.49	21.20	21.26	0.03	0.01	0.26	0.45
ILMN_2449353	Ppp2r5c	NM_012023	100.89	96.63	80.72	63.27	80.41	47.02	57.33	56.18	49.91	72.93	75.16	79.85	80.73	80.21	75.52	66.28	71.27	70.88	0.06	0.00	0.34	0.07
ILMN_2888454	Abhd14a	NM_145919.1	62.15	41.35	62.42	22.43	33.99	62.23	23.51	20.00	30.26	51.08	44.78	48.48	46.50	56.36	56.59	49.87	39.06	31.80	0.31	0.02	0.26	0.23
ILMN_2505780	Tnfsf11	NM_011613.3	69.01	54.54	46.57	40.77	57.39	20.00	39.72	24.39	20.00	37.30	60.18	34.68	38.82	37.28	41.81	21.29	20.67	30.53	0.24	0.03	0.59	0.08
ILMN_2463616	Mtap7	NM_008635	40.87	31.19	47.20	28.22	20.57	27.54	24.02	20.00	21.46	25.43	42.56	51.88	38.73	42.35	24.84	31.19	24.45	23.14	0.05	0.02	0.65	0.17
ILMN_2822842	1600014C10Rik	NM_028166.2	44.69	45.47	57.47	47.74	25.52	22.89	20.00	34.83	20.00	56.23	27.63	45.16	46.03	38.07	33.63	35.44	20.00	27.35	0.13	0.02	0.70	0.18
ILMN_2989312	Gdap1l1	NM_144891.1	42.95	31.98	43.76	20.00	32.89	20.00	20.00	20.00	20.00	34.70	26.35	20.00	20.00	20.00	25.72	20.00	20.00	29.69	0.06	0.01	0.33	0.52
ILMN_2457372	2610009I02Rik	NM_028115	42.21	41.79	37.15	59.83	66.01	49.01	22.04	26.36	20.00	41.97	50.09	50.68	41.80	40.72	51.13	20.00	23.74	23.09	0.03	0.00	0.52	0.00
ILMN_2736379	Nfia	NM_177176.2	50.05	46.26	59.82	56.01	63.83	103.21	29.59	20.04	42.13	85.52	70.14	50.89	71.22	66.82	59.59	30.21	23.74	26.78	0.21	0.05	0.79	0.01
ILMN_2737686	2610021K21Rik	XM_354690.1	83.37	78.83	96.06	105.90	106.43	128.99	54.45	52.43	49.19	122.06	106.51	116.09	101.02	105.18	79.00	53.26	53.19	40.14	0.04	0.00	0.10	0.00
ILMN_2423835	Wnt6	NM_009526.2	54.18	65.51	55.04	62.96	75.98	88.86	28.05	24.46	42.81	73.66	77.68	48.85	78.02	67.02	66.07	37.94	35.47	31.44	0.10	0.02	0.73	0.03
ILMN_2543657	Mbd1	AK007371	99.78	75.05	75.92	103.38	91.81	129.82	32.34	39.47	60.69	71.67	80.67	63.44	87.39	94.65	74.66	45.59	36.94	29.93	0.15	0.03	0.15	0.01
ILMN_1226997	Rassf2	NM_175445.3	263.20	276.15	271.23	319.11	313.30	424.46	175.06	121.23	154.43	250.78	184.87	185.07	281.56	218.45	237.22	125.60	131.55	95.21	0.09	0.00	0.25	0.02
ILMN_2702303	Ch25h	NM_009890.1	52.54	42.53	74.76	74.21	64.85	66.81	20.00	20.00	25.18	46.79	31.30	42.35	30.52	35.16	25.30	20.00	20.00	20.00	0.29	0.02	0.14	0.01
ILMN_2663015	Abcb8	NM_029020.2	30.56	28.68	36.55	40.34	31.80	45.74	20.00	20.00	22.33	38.11	45.54	41.88	43.20	36.71	50.99	24.02	27.71	23.52	0.19	0.01	0.72	0.00
ILMN_2681013	St6galnac6	NM_001025311.1	51.96	50.48	65.24	87.53	50.31	70.98	31.40	34.04	20.00	57.07	76.54	55.78	63.50	67.38	59.04	41.40	38.19	26.74	0.31	0.01	0.98	0.03
ILMN_1214000	LOC100044133	XM_001478434.1	125.58	139.41	161.16	167.33	157.64	189.84	104.00	75.27	67.44	164.46	108.54	119.07	135.10	108.85	83.66	57.20	51.80	48.48	0.10	0.02	0.40	0.01
ILMN_3073818	LOC435337	NM_001013824.1	169.04	156.23	109.15	189.08	185.70	143.39	99.36	59.61	23.53	87.61	141.95	106.69	128.27	195.00	169.50	40.49	49.89	41.30	0.30	0.04	0.11	0.01
ILMN_2866099	Mmp24	NM_010808.3	49.60	39.66	75.87	58.38	45.78	97.40	20.00	20.00	20.00	67.31	59.99	60.65	87.29	60.02	65.12	20.00	20.00	20.00	0.56	0.03	0.40	0.00
ILMN_2677144	9030607L17Rik	NM_027829.3	58.52	57.81	78.82	57.17	65.89	120.47	27.34	31.49	35.77	58.60	58.36	44.97	47.75	71.43	54.36	38.34	32.61	24.25	0.48	0.01	0.67	0.02
ILMN_2435584	scl0001978.1_6	AK050665.1	153.13	152.77	187.88	191.75	183.34	208.25	92.12	88.52	90.50	245.55	187.93	241.90	172.46	211.01	188.44	102.80	118.76	127.14	0.10	0.00	0.19	0.01
ILMN_2699621	Dlk2	NM_207666.2	400.72	416.34	526.56	460.55	454.23	693.03	273.44	263.93	321.46	681.61	584.26	549.08	614.40	611.23	594.47	436.03	419.14	348.72	0.37	0.02	0.97	0.01
ILMN_2920200	Heg1	NM_175256.4	96.67	102.10	95.23	133.17	108.15	105.55	56.07	37.08	45.37	105.03	128.63	108.63	87.44	111.62	84.04	44.13	55.41	41.08	0.12	0.00	0.16	0.00
ILMN_2577511	E530003F24Rik	AK054552	113.56	103.61	80.12	111.10	93.12	143.35	39.81	47.29	58.01	100.43	76.78	80.84	123.51	101.88	102.81	38.31	58.84	42.77	0.40	0.01	0.08	0.01
ILMN_1233293	Gbp1	NM_010259.2	341.70	353.46	327.29	349.72	402.40	439.40	218.20	150.00	231.50	340.49	325.36	282.82	364.00	352.55	290.30	200.64	168.38	177.67	0.11	0.01	0.54	0.00
ILMN_1226367	Epm2aip1	NM_175266.4	63.38	77.55	58.23	81.66	93.74	58.01	35.15	50.25	22.20	47.10	61.06	46.23	64.19	69.13	47.26	20.00	34.86	29.99	0.39	0.04	0.35	0.02
ILMN_1218242	Pvrl2	NM_008990.2	89.26	75.02	108.50	111.75	100.92	99.42	44.85	58.33	59.60	125.67	111.24	115.22	105.85	103.68	107.71	77.45	78.55	67.77	0.28	0.03	0.06	0.00
ILMN_2660136	2610021K21Rik	NM_030172.2	56.87	69.29	71.76	74.43	70.60	82.12	50.62	36.47	28.78	86.18	84.58	69.88	60.85	73.85	90.42	49.05	38.27	35.31	0.16	0.03	0.63	0.00
ILMN_2982019	Klra33	NM_001039118.1	69.60	74.52	48.18	87.84	65.53	64.89	27.04	20.00	20.00	51.59	51.79	40.87	54.91	48.61	48.17	35.58	20.00	20.03	0.48	0.01	0.59	0.02
ILMN_1232055	9330175B01Rik	XM_128267	94.07	88.35	117.12	97.04	111.13	134.61	58.41	55.59	79.77	110.21	95.30	87.50	129.81	101.04	89.45	58.40	47.01	48.61	0.36	0.04	0.54	0.00
ILMN_1232694	Zfp791	NM_001037745.1	160.58	151.44	113.32	166.23	137.05	179.62	87.62	64.75	104.92	129.78	99.96	100.91	131.25	110.52	117.18	58.90	50.96	43.22	0.37	0.04	0.46	0.01
ILMN_2433848	Slco2a1	NM_033314	538.04	561.46	794.22	604.94	655.73	892.67	333.57	275.18	429.43	718.99	614.95	576.92	532.48	574.22	457.49	458.92	397.97	368.39	0.51	0.04	0.10	0.01
ILMN_1219184	Gats	XM_289726.2	296.86	300.70	319.43	312.29	319.13	421.45	172.18	164.47	247.89	319.25	337.59	352.03	355.60	415.69	359.80	191.05	170.95	169.46	0.28	0.02	0.13	0.00
ILMN_2594746	Btbd14b	NM_025788.2	129.45	108.66	114.77	139.76	127.72	132.89	79.58	76.48	78.17	96.24	132.62	132.12	102.91	117.72	140.15	67.35	73.12	78.44	0.09	0.00	1.00	0.02
ILMN_2951682	Cobl	NM_172496.2	205.69	195.32	176.26	209.42	214.97	228.81	93.99	88.87	84.93	170.25	178.68	162.53	119.39	149.28	156.78	66.58	75.37	69.32	0.07	0.00	0.08	0.00
ILMN_1227579	Acot11	NM_025590.3	64.06	59.62	57.82	77.17	61.78	65.66	22.05	34.29	30.35	52.64	53.53	37.06	53.41	51.59	38.79	36.14	24.20	20.00	0.20	0.00	0.98	0.04
ILMN_2590860	Rpo2tc1	NM_011294.2	427.68	417.43	317.26	497.38	442.93	364.25	245.39	248.83	213.44	387.19	369.62	348.71	410.78	391.06	376.31	214.10	185.72	218.26	0.42	0.01	0.18	0.00
ILMN_2952779	Cxx1a	NM_024170.1	167.87	160.96	183.37	196.05	168.84	211.67	120.81	93.18	124.48	253.98	183.86	170.43	163.74	157.63	157.99	103.63	132.65	96.24	0.20	0.01	0.17	0.03
ILMN_1249029	9830166G06Rik	AK036717	105.55	146.78	94.59	130.95	109.38	143.81	59.61	61.60	69.80	139.10	150.20	121.54	122.44	161.68	128.90	74.55	83.76	72.36	0.55	0.03	0.96	0.00
ILMN_2836982	Des	NM_010043.1	139.27	135.76	176.41	128.71	167.18	216.28	90.54	65.32	89.19	196.11	178.01	176.63	210.97	156.77	151.11	92.78	94.79	74.68	0.52	0.01	0.62	0.00
ILMN_1244535	Tbl1xr1	NM_030732.3	223.02	213.47	146.75	255.64	212.36	179.01	127.86	117.54	101.66	174.69	168.04	180.05	155.92	188.31	183.86	67.02	82.60	66.34	0.55	0.04	0.88	0.00
ILMN_1236349	Wdr68	NM_027946.3	55.40	49.85	45.52	52.52	55.27	60.01	31.94	29.66	39.05	64.77	44.52	45.95	62.25	66.84	43.79	20.00	20.89	32.33	0.19	0.01	0.57	0.02
ILMN_3122961	Gbp2	NM_010260.1	635.00	619.42	722.17	639.50	672.01	892.48	340.41	305.30	427.36	715.49	597.32	570.29	745.30	686.76	651.61	397.31	333.55	303.89	0.43	0.00	0.27	0.01
ILMN_1250335	Fin15	NM_008016.1	254.97	224.12	168.71	311.29	273.52	152.64	110.15	112.04	73.71	125.56	150.07	153.06	170.65	162.14	129.95	112.06	71.76	76.66	0.61	0.01	0.50	0.02
ILMN_1215524	Tmem44	NM_172614.3	35.12	45.31	45.45	49.16	56.42	34.89	34.42	20.00	20.00	41.40	75.56	60.40	52.41	74.41	64.90	25.42	32.51	31.38	0.54	0.04	0.70	0.04
ILMN_1241838	Cacna1g	NM_009783.1	212.10	230.69	178.17	250.85	216.65	213.80	117.29	109.07	96.12	188.18	181.48	166.74	166.28	149.42	161.40	92.51	78.09	65.37	0.36	0.00	0.07	0.00
ILMN_1219839	mtDNA_ND6		146.32	136.65	70.16	142.45	158.50	82.70	30.73	24.82	21.56	119.39	190.38	87.62	116.27	196.24	113.10	40.87	20.00	24.60	0.77	0.02	0.83	0.03
ILMN_1252183	BC004004	NM_030561.2	144.32	161.75	133.69	165.43	140.98	178.08	72.90	38.92	109.10	129.32	139.80	125.93	140.24	119.63	135.67	81.44	71.82	85.40	0.34	0.03	0.98	0.00
ILMN_2422014	LOC100040353	XM_001474539.1	184.33	166.77	191.95	180.54	180.54	240.39	61.35	32.94	44.80	146.86	132.58	136.41	156.80	141.69	140.66	22.93	37.21	30.29	0.41	0.00	0.31	0.00
ILMN_2679532	Lage3	NM_025410.2	1220.90	1137.15	1710.61	1503.69	1249.52	1677.15	777.05	676.69	953.17	1496.32	1882.30	1828.91	1435.02	1706.22	1724.38	945.85	953.27	847.79	0.61	0.05	0.50	0.00
ILMN_1213836	Ly6f	NM_008530.2	103.58	79.80	89.08	90.42	92.33	116.53	46.09	35.88	39.57	83.82	75.26	78.92	75.32	63.11	80.01	40.86	31.54	24.27	0.46	0.00	0.31	0.00
ILMN_2491125	Tbl1xr1	NM_030732.3	1568.48	1422.36	1497.21	1635.96	1623.08	1661.32	769.08	635.96	728.88	1513.65	1414.87	1390.84	1517.61	1462.29	1314.20	590.86	557.04	514.64	0.03	0.00	0.91	0.00
ILMN_1245335	C230078M08Rik	NM_176995.2	102.16	98.70	84.86	93.25	115.59	103.84	67.95	61.81	44.56	111.08	84.60	84.47	72.30	56.58	73.73	57.66	52.56	59.41	0.34	0.01	0.07	0.02
ILMN_1234014	Slc35d2	NM_001001321.3	117.27	137.47	118.16	119.51	153.31	135.96	71.35	72.06	88.62	150.47	116.46	138.22	138.19	131.31	115.13	69.38	63.04	62.54	0.37	0.01	0.60	0.00
ILMN_1253916	Bcl7c	NM_009746	157.75	143.12	135.61	154.18	163.36	157.98	85.99	101.14	88.98	151.70	117.72	116.19	126.04	135.88	107.82	52.33	79.26	72.43	0.14	0.00	0.73	0.01
ILMN_2645473	Sat2	NM_026991.2	214.45	203.11	225.94	235.07	243.57	222.97	155.80	110.21	116.74	219.68	225.76	251.97	231.58	265.00	263.61	130.90	152.13	116.45	0.10	0.01	0.23	0.00
ILMN_3158060	Epn2	NM_010148.2	54.04	55.17	47.72	59.17	54.03	57.57	28.23	25.97	28.88	61.33	45.26	50.50	46.51	55.11	56.46	29.10	34.80	25.49	0.17	0.00	0.96	0.01
ILMN_1224014	Tmem100	NM_026433.2	1505.26	1518.76	1531.17	1689.28	1663.34	1606.58	805.08	634.22	655.14	1187.40	1200.73	1049.60	1096.46	1197.55	1044.92	504.70	383.71	339.96	0.01	0.00	0.64	0.00
ILMN_2445166	Vdr	NM_009504.3	1890.66	2149.62	1937.30	2170.67	2175.94	2135.25	988.14	1035.68	1143.57	1935.01	2066.60	2190.45	2016.57	2039.03	2278.00	773.29	1057.60	861.54	0.11	0.00	0.69	0.00
ILMN_2615431	1200009O22Rik	NM_025817.3	214.02	198.59	200.41	202.46	199.07	270.72	133.78	90.10	137.74	279.68	180.67	184.74	214.21	192.05	205.02	129.63	93.56	95.45	0.45	0.01	0.75	0.03
ILMN_2625681	Galnt1	NM_013814.2	161.00	195.75	210.46	196.91	180.57	237.94	125.08	122.79	113.38	232.48	233.48	226.59	178.49	228.49	224.82	134.16	142.44	164.06	0.51	0.01	0.28	0.00
ILMN_1249602	Sprr2e	NM_011471.2	291.75	268.31	311.76	310.61	318.13	314.45	127.23	114.43	135.37	254.41	267.29	243.35	328.44	340.43	375.78	174.54	146.99	116.28	0.14	0.00	0.00	0.00
ILMN_2974343	Pla1a	NM_134102.2	760.01	667.25	718.49	728.57	721.00	879.65	407.09	386.17	567.80	674.31	727.31	708.16	753.77	680.22	721.40	431.60	517.99	453.72	0.35	0.01	0.59	0.00
ILMN_2437558	scl0004175.1_57	BC026739.1	463.52	480.82	549.41	480.76	537.29	600.82	311.28	279.09	355.71	494.62	501.21	511.86	524.07	538.91	531.50	320.10	252.83	253.23	0.39	0.01	0.01	0.00
ILMN_2647170	Serhl	NM_023475.2	318.89	300.43	187.67	306.74	308.50	239.66	157.70	153.87	108.31	281.10	332.42	286.22	203.75	327.06	355.36	153.93	174.52	172.65	0.75	0.04	0.93	0.00
ILMN_2879848	St3gal3	NM_009176.2	552.39	568.01	565.76	633.96	597.73	590.70	377.36	316.98	325.89	620.68	599.60	559.08	594.16	615.64	464.39	403.53	337.71	371.87	0.03	0.00	0.53	0.00
ILMN_1255412	Chst13	XM_994764.1	239.76	232.63	216.48	236.57	262.55	243.81	83.33	60.37	55.02	173.11	190.24	202.05	168.79	159.68	193.19	40.82	71.21	59.10	0.16	0.00	0.33	0.00
ILMN_2753843	Dnajc14	NM_028873.3	37.44	30.51	30.77	30.19	39.18	37.24	21.72	20.00	20.00	42.32	36.83	27.83	20.00	37.02	27.05	22.01	20.00	24.88	0.50	0.01	0.31	0.04
ILMN_2548379	2210015K02Rik	AK008733	158.51	165.53	155.54	178.37	194.10	147.29	118.39	96.63	96.18	195.69	206.48	199.04	183.27	177.97	182.40	116.13	117.00	122.65	0.39	0.00	0.01	0.00
ILMN_2734882	Cenpm	NM_025639.4	331.60	362.88	446.70	355.40	386.69	488.53	207.70	162.33	210.22	421.87	453.67	365.36	409.42	464.09	397.98	193.93	194.51	166.25	0.60	0.01	0.77	0.00
ILMN_1251846	Arhgap8	NM_146061	89.35	96.85	85.77	88.80	98.74	104.74	51.55	56.50	62.29	106.54	83.98	95.34	67.26	77.43	102.88	46.76	53.07	51.67	0.30	0.00	0.36	0.00
ILMN_2587220	C530024C18Rik	AK082961	69.16	69.74	52.67	76.07	60.67	68.10	20.00	20.00	20.00	52.01	51.40	45.88	49.11	49.66	52.13	20.24	20.60	21.65	0.57	0.00	0.82	0.00
ILMN_1257829	Rfng	NM_009053.2	69.96	66.96	96.99	81.40	64.50	106.94	49.79	50.74	41.28	110.19	112.80	109.42	133.55	94.74	111.39	44.09	74.24	65.13	0.71	0.04	0.84	0.01

ILMN_1217444	Ppp2r5e	NM_012024	241.61	230.47	318.64	262.68	222.56	374.37	127.52	121.56	187.90	298.85	251.57	237.50	281.02	277.88	252.25	155.34	143.29	147.61	0.69	0.03	0.73	0.00
ILMN_1252295	LOC100038894	XM_001471776.1	195.90	172.53	192.60	191.83	195.91	213.35	64.76	70.21	91.90	258.75	165.93	194.31	228.31	160.66	183.10	109.02	95.96	74.10	0.25	0.00	0.67	0.02
ILMN_2923707	Tmem141	NM_001040130.1	108.13	107.08	154.22	134.84	121.75	133.82	68.98	72.24	86.81	129.68	112.74	146.46	117.44	129.26	146.76	51.10	83.87	84.61	0.69	0.05	0.91	0.02
ILMN_1238880	2310047K21Rik	XM_488951	303.63	299.45	268.35	340.12	304.68	288.79	210.62	173.77	184.95	341.28	277.86	230.43	325.25	264.21	236.20	210.60	160.61	179.24	0.33	0.00	0.86	0.05
ILMN_2950622	Arhgdig	NM_008113.3	93.85	115.98	127.16	107.47	107.41	146.57	43.96	33.08	82.09	192.57	127.64	130.67	141.24	126.49	128.46	72.90	52.10	52.08	0.64	0.03	0.45	0.01
ILMN_2724469	4732473B16Rik	NM_175307.5	485.18	565.60	546.59	560.53	558.13	586.07	342.78	311.19	288.64	469.78	530.98	496.65	502.01	462.98	460.72	247.23	234.92	288.41	0.24	0.00	0.34	0.00
ILMN_2474684	B230107K20Rik		105.54	86.48	115.75	115.71	95.46	116.86	42.07	27.82	54.85	75.26	75.87	62.52	67.15	68.78	70.20	24.63	20.98	20.00	0.57	0.01	0.60	0.00
ILMN_2769918	Timp1	NM_011593	6527.61	6274.68	7003.69	6888.25	6735.57	7549.13	3964.46	3344.15	3720.00	6889.78	7678.07	7223.72	7665.56	8089.42	7564.91	4629.42	4856.82	4255.70	0.24	0.00	0.14	0.00
ILMN_2945348	Glrx	NM_053108.2	4211.34	4136.60	3893.93	4513.90	4326.31	4231.15	2230.55	2276.30	2306.80	2991.68	3319.84	3159.48	3333.66	3304.20	3584.38	1507.19	1744.06	1600.46	0.09	0.00	0.13	0.00
ILMN_2680876	Iqce	NM_028833.3	249.23	208.20	254.37	230.46	265.41	262.32	157.92	173.22	131.89	276.35	296.12	293.38	248.79	296.76	301.95	165.39	179.45	174.15	0.45	0.01	0.75	0.00
ILMN_2763245	Cxcl1	NM_008176.1	5142.57	5821.60	5632.04	6081.69	5600.96	6013.13	2074.97	2164.39	2435.15	6110.90	7098.97	5820.54	6497.53	6630.81	6529.65	3007.21	2833.40	2735.28	0.22	0.00	0.62	0.00
ILMN_1246770	Ybx3	AK029441	39591.08	41647.89	34177.24	46258.77	43979.08	33552.98	27742.56	25817.93	22536.03	28575.80	39907.96	37531.43	39230.00	40880.12	41893.34	21880.80	22003.99	21064.59	0.57	0.01	0.21	0.02
ILMN_2777609	Tcea2	NM_009326.2	72.02	60.52	95.62	73.60	82.56	83.06	30.54	34.97	48.82	91.04	73.93	78.12	75.89	81.71	74.97	49.14	62.74	39.89	0.75	0.03	0.56	0.02
ILMN_2710205	Chst12	NM_021528.2	274.62	311.24	292.07	319.36	289.83	326.13	189.74	113.92	238.40	302.64	298.14	299.32	303.75	283.26	292.75	165.54	147.21	130.90	0.28	0.04	0.33	0.00
ILMN_1252144	Mif4gd	NM_027162.3	506.32	548.32	599.83	571.86	546.28	643.06	329.12	338.03	370.69	609.60	503.60	539.21	575.92	602.56	607.47	325.75	302.45	305.67	0.42	0.00	0.24	0.00
ILMN_1235697	N6amt2	NM_026526.2	848.73	857.63	1102.04	906.01	828.53	1285.66	432.90	371.52	575.94	1162.19	1191.99	1100.03	1145.15	1169.97	1140.91	621.84	671.27	556.88	0.69	0.01	0.98	0.00
ILMN_2528431	LOC219228	XM_127786.3	67.35	76.77	68.64	52.84	76.24	105.90	42.19	26.82	55.97	78.97	75.37	67.32	91.78	79.18	73.68	40.95	65.32	43.15	0.66	0.03	0.30	0.05
ILMN_2590054	Dpm1	NM_010072.3	60.50	74.02	76.35	78.48	65.73	79.62	24.07	48.66	49.38	74.22	58.40	73.60	69.57	74.08	72.55	52.04	43.37	35.59	0.55	0.04	0.57	0.02
ILMN_2761430	Rab6b	NM_173781.3	166.11	155.62	168.39	159.77	189.08	172.00	114.53	54.58	90.95	154.08	173.89	153.15	154.04	174.47	150.50	95.02	78.40	103.43	0.34	0.01	0.95	0.00
ILMN_2708133	Flrt1	NM_201411.1	90.89	73.71	97.58	109.64	67.81	104.93	52.22	42.28	55.00	81.88	70.19	68.36	112.72	83.65	103.42	20.00	35.27	40.66	0.68	0.01	0.05	0.01
ILMN_1224802	Palm	NM_023128.2	182.11	208.67	174.84	192.87	176.76	232.05	122.64	117.00	117.17	184.11	199.83	210.96	199.67	197.32	198.03	117.94	125.93	120.01	0.57	0.00	1.00	0.00
ILMN_1235623	Hhat	NM_144881.3	46.58	29.25	46.84	43.07	47.26	37.25	20.00	20.00	20.00	40.50	44.54	38.02	46.95	56.98	35.11	20.00	26.45	27.29	0.81	0.02	0.46	0.01
ILMN_2654074	Sesn1	NM_001013370.1	2543.15	2319.70	2325.01	2430.33	2439.01	2747.52	1735.90	1455.72	1599.23	2718.94	2158.35	1969.18	2307.27	2245.20	1974.62	1054.75	1030.05	923.25	0.33	0.00	0.69	0.01
ILMN_1213711	Trappc1	NM_001024206.1	1841.03	1874.19	2095.58	1852.30	1814.94	2552.84	1101.71	924.12	1465.70	2555.05	2596.18	2386.79	2504.22	2463.57	2258.20	1213.64	1269.42	1284.41	0.62	0.01	0.35	0.00
ILMN_1219471	Mylk	NM_139300.3	95.59	156.40	145.60	116.81	111.07	198.17	49.81	45.39	87.04	127.50	117.09	124.63	109.50	115.53	89.75	40.50	37.59	37.91	0.79	0.04	0.10	0.00
ILMN_2751494	Stk39	NM_016866.2	922.71	828.68	787.81	942.45	847.16	882.56	474.06	528.15	656.19	672.25	720.51	800.76	764.95	629.37	726.76	434.07	444.66	370.22	0.41	0.01	0.68	0.00
ILMN_1215039	Cby1	NM_028634.3	106.62	126.08	89.01	135.18	122.68	83.71	79.93	56.99	57.30	95.74	129.24	131.06	124.33	124.60	146.41	44.48	66.31	82.76	0.74	0.03	0.39	0.03
ILMN_2688681	Npm3-ps1	NR_002702.1	917.71	1053.42	1377.73	1006.64	1093.32	1401.06	596.12	619.24	784.82	1171.24	1251.18	1330.98	1245.46	1242.77	1115.66	754.64	751.57	663.97	0.79	0.04	0.47	0.00
ILMN_2608145	Hdhd3	NM_024257.1	209.04	222.83	257.42	259.21	235.14	227.00	112.48	87.04	95.09	246.24	224.53	251.58	252.50	221.06	196.05	105.82	86.28	78.38	0.57	0.00	0.39	0.00
ILMN_1244702	LOC385626	XM_358806.1	36.08	35.93	48.17	36.24	35.16	56.53	20.00	20.00	20.00	46.43	38.68	32.17	38.90	44.43	35.50	20.00	20.00	20.00	0.76	0.01	0.92	0.01
ILMN_2624448	Ppa2	NM_146141.1	447.82	406.63	406.93	430.21	441.16	450.24	327.07	215.51	265.64	441.43	491.45	382.75	491.47	477.31	422.65	326.79	225.54	286.62	0.25	0.01	0.54	0.02
ILMN_2705878	Limd2	NM_172397.3	60.95	42.23	51.94	69.66	37.89	58.34	36.97	21.85	23.85	62.28	57.20	48.33	47.28	40.88	48.62	43.04	21.36	24.48	0.76	0.03	0.09	0.03
ILMN_2427349	Zfp148	NM_011749.4	859.80	869.63	658.74	924.98	899.12	680.23	565.20	493.43	392.39	648.45	729.82	764.04	679.82	670.05	678.30	364.87	423.97	441.63	0.73	0.02	0.33	0.00
ILMN_3104928	Cenpm	NM_178269.3	377.43	350.20	518.17	377.42	406.30	512.92	207.71	159.13	262.10	511.54	506.70	448.66	503.59	450.73	474.79	213.48	202.82	200.62	0.81	0.03	0.65	0.00
ILMN_2633386	LOC100044190	XM_001471649.1	1349.85	1278.41	1402.61	1372.26	1491.14	1355.31	880.19	841.55	946.11	1223.48	1515.57	1333.47	1200.03	1378.75	1293.71	812.91	870.88	799.08	0.33	0.00	0.54	0.00
ILMN_2598805	Rhbdl3	NM_139228.2	82.93	97.31	105.95	103.08	112.78	84.26	64.72	49.48	71.81	79.26	69.05	74.45	72.06	79.51	89.79	42.22	49.09	39.08	0.69	0.02	0.35	0.00
ILMN_2777512	Npepl1	NM_213733	155.64	180.85	185.51	168.75	172.59	205.19	91.64	77.98	125.90	248.58	188.56	196.29	186.00	165.77	169.32	103.80	97.11	91.64	0.61	0.01	0.13	0.00
ILMN_2591219	4631416L12Rik	NM_001081295.1	123.79	125.64	76.97	127.74	126.23	84.87	69.64	55.48	26.06	68.02	65.12	78.69	72.31	67.43	79.42	39.55	20.00	28.23	0.85	0.05	0.67	0.00
ILMN_2685157	Abcc3	NM_029600.3	269.12	293.21	385.74	341.76	321.73	316.30	140.07	172.53	227.21	404.04	414.22	446.75	387.26	408.45	354.20	232.06	197.04	171.24	0.79	0.04	0.13	0.00
ILMN_2518074	D130004H04Rik		256.70	259.27	227.17	262.59	276.98	237.50	158.64	125.54	180.55	282.43	247.65	272.12	248.74	211.82	243.40	171.35	133.16	125.59	0.51	0.01	0.10	0.00
ILMN_2746812	2410012H22Rik	XM_126343.5	277.43	265.33	335.55	257.59	295.25	370.30	173.89	170.73	241.58	336.34	321.09	325.56	336.42	326.09	323.48	164.43	225.14	174.52	0.73	0.04	0.88	0.00
ILMN_1227863	Ube2n	NM_080560.3	1588.11	1770.85	1558.91	1602.32	1585.00	1961.34	861.33	963.09	1351.04	1556.35	1453.99	1467.13	1873.40	1406.08	1492.24	1165.28	905.44	927.06	0.61	0.02	0.54	0.01
ILMN_2605890	Tk1	NM_009387.1	2421.37	2385.80	2770.77	2559.06	2403.25	2952.13	1380.30	1344.11	1841.42	2555.35	2653.94	2835.77	2454.31	2861.48	2616.94	1485.53	1589.54	1608.14	0.61	0.01	0.81	0.00
ILMN_2678336	Ctf1	NM_007795.1	237.57	203.15	305.66	248.56	242.51	277.42	164.63	133.48	155.25	248.81	231.90	206.32	240.58	232.76	196.98	148.19	140.98	107.01	0.83	0.04	0.78	0.01
ILMN_2845839	1700065O13Rik	NM_028543.1	403.48	410.75	453.26	412.51	426.54	481.27	242.07	205.93	242.57	467.90	387.71	364.90	480.38	364.85	358.52	223.28	177.59	151.28	0.54	0.00	0.92	0.00
ILMN_1244513	Gbp3	NM_018734.3	531.04	526.46	477.71	527.16	530.43	538.35	306.59	349.96	270.30	358.06	421.94	345.08	379.26	414.04	413.92	229.53	235.25	191.01	0.31	0.00	0.36	0.00
ILMN_2434490	D9Wsu20e	NM_133718	355.10	371.85	321.13	417.31	367.21	309.87	198.93	176.38	120.42	348.54	313.15	290.58	275.05	284.25	266.76	114.07	172.35	165.18	0.68	0.00	0.08	0.00
ILMN_2795854	1190017O12Rik	NM_138743.2	1709.07	1575.44	1945.71	1686.41	1751.84	1983.46	1075.11	954.00	1283.55	1934.64	2030.77	1927.41	2002.04	2001.68	1954.78	1233.87	1308.06	1128.11	0.67	0.01	0.58	0.00
ILMN_1251056	Lsm6	NM_030145.2	413.60	413.19	416.56	420.21	393.08	481.96	231.36	242.91	257.65	542.85	376.38	398.19	440.96	358.02	377.00	266.54	234.89	260.60	0.55	0.00	0.46	0.03
ILMN_1215791	Alox5ap	NM_009663	99.23	93.80	126.41	106.39	83.33	148.37	40.81	23.43	48.25	115.57	86.93	71.01	84.08	89.27	71.88	52.69	54.81	36.30	0.79	0.01	0.54	0.04
ILMN_2848466	Mthfsd	NM_172761.1	69.83	61.27	71.67	86.25	65.48	60.68	33.38	43.82	28.46	70.55	68.26	73.05	77.99	61.20	80.47	44.71	41.49	54.27	0.72	0.00	0.70	0.00
ILMN_2707147	Rangrf	NM_021329.2	85.75	96.46	122.54	102.79	80.97	135.89	37.46	49.04	78.69	71.62	82.25	70.45	97.02	97.45	74.95	54.09	43.49	35.91	0.81	0.05	0.15	0.01
ILMN_2645793	Aldh3b1	NM_026316.2	750.67	776.32	813.41	768.53	792.63	868.09	491.05	444.94	550.33	784.99	800.52	801.25	811.76	728.14	721.21	516.19	496.06	458.75	0.45	0.00	0.23	0.00
ILMN_2647172	Serhl	NM_023475.2	501.36	489.80	547.11	509.31	539.56	543.65	382.89	279.16	310.19	518.67	610.88	538.64	463.96	565.64	588.91	261.81	321.21	335.40	0.43	0.01	0.74	0.00
ILMN_2900827	Ssbp4	NM_133772.1	307.24	344.03	329.99	338.95	351.77	324.64	195.97	201.15	172.44	332.28	294.45	309.87	336.71	314.73	345.18	225.71	184.58	192.69	0.44	0.00	0.23	0.00
ILMN_1220521	S100a16	NM_026416.2	139.15	124.38	170.94	156.14	118.26	177.58	102.32	57.19	90.52	159.56	140.27	167.82	153.51	174.97	147.99	76.52	79.37	84.33	0.80	0.03	0.81	0.00
ILMN_2507494	Tmem141	NM_001040130.2	177.36	179.49	220.04	176.98	175.59	249.79	123.68	97.52	127.92	251.62	195.41	207.75	197.34	189.38	191.69	134.46	126.12	101.02	0.78	0.01	0.21	0.01
ILMN_1243080	Taf9b	NM_001001176.1	208.19	222.28	221.78	211.31	216.45	248.36	83.21	91.40	73.46	253.12	196.41	188.69	202.68	191.89	189.61	76.49	57.91	54.90	0.56	0.00	0.43	0.00
ILMN_2910106	Alg3	NM_145939.1	452.26	482.23	544.81	476.00	453.93	606.46	282.46	312.37	366.91	498.72	447.56	423.41	549.19	457.12	438.81	285.32	294.16	274.35	0.75	0.01	0.57	0.00
ILMN_2592507	Ppp1r9b	NM_172261.2	739.00	769.65	635.88	814.26	792.07	618.14	524.78	499.68	361.83	616.20	561.54	631.36	638.95	566.90	599.71	398.49	353.67	401.14	0.74	0.02	0.97	0.00
ILMN_2718815	Faf1	NM_007983.2	313.97	316.50	309.17	318.02	292.28	363.62	190.46	174.54	268.64	339.83	293.86	297.79	295.41	278.64	230.87	222.45	200.09	194.18	0.61	0.02	0.16	0.00
ILMN_2733472	Cenpm	NM_178269.3	320.76	363.93	455.19	360.64	366.85	440.78	203.62	177.15	216.72	445.23	430.55	428.06	476.54	424.55	397.89	200.26	208.26	193.16	0.85	0.01	0.95	0.00
ILMN_2549903	6230401I02Rik	AK018078	779.74	809.84	767.94	803.17	807.37	819.74	459.54	497.73	519.96	739.14	846.61	778.23	822.27	713.64	689.32	498.02	521.30	505.42	0.15	0.00	0.42	0.00
ILMN_2477044	Vgll3	XM_001480406.1	102.30	86.58	124.24	113.38	100.22	105.87	38.29	44.55	48.56	82.10	58.93	83.47	94.87	73.56	66.26	43.18	36.20	34.42	0.86	0.01	0.79	0.01
ILMN_3159866	Yipf6	NM_207633.2	145.22	129.67	140.82	151.92	146.38	130.34	83.65	86.19	92.62	123.95	122.28	116.62	152.30	119.74	128.82	86.20	76.43	57.82	0.62	0.00	0.27	0.01
ILMN_2588051	Tubb2b	NM_023716.1	1601.30	1489.55	1992.82	1559.45	1639.69	2029.87	807.29	702.51	875.86	2068.00	1772.23	2114.56	2098.60	1861.43	1785.76	1108.03	1254.52	1200.67	0.83	0.01	0.65	0.00
ILMN_2780619	Zdhhc21	NM_026647.2	637.90	731.68	567.24	641.62	666.13	676.06	406.87	365.92	416.45	662.75	604.80	560.99	583.83	522.55	564.65	422.40	308.98	340.95	0.76	0.01	0.20	0.00
ILMN_2607196	0910001A06Rik	NM_144846.4	957.78	986.52	1022.61	994.76	988.53	1070.66	475.53	526.49	677.64	1051.38	858.18	882.69	949.81	790.81	789.27	585.21	511.98	484.72	0.42	0.00	0.34	0.00
ILMN_2490536	Aldh5a1	NM_172532	186.58	205.39	207.10	199.28	215.55	200.66	133.27	108.76	134.15	234.87	188.87	167.36	192.42	184.11	168.32	124.93	104.35	105.56	0.55	0.00	0.51	0.02
ILMN_2744459	Alg3	NM_145939	222.94	302.91	314.18	238.02	282.53	341.90	161.63	131.52	183.02	347.63	277.02	266.75	319.55	307.14	322.90	177.56	162.10	186.94	0.87	0.02	0.50	0.01
ILMN_2879486	Mtap	NM_024433.1	1610.43	1517.64	1224.31	1681.64	1559.73	1234.71	820.68	975.67	845.70	1562.92	1697.85	1503.93	1599.05	1762.02	1663.21	939.61	1077.05	1038.76	0.83	0.01	0.31	0.00
ILMN_1222039	Dhx58	NM_030150.2	79.87	82.49	91.71	85.32	68.75	111.31	35.04	32.91	53.38	50.92	72.77	59.22	77.73	58.84	72.91	20.00	29.48	20.00	0.78	0.00	0.36	0.01
ILMN_2665198	Tmem167	NM_025335.2	1009.19	909.97	878.36	1004.37	975.54	889.27	519.75	497.14	598.61	889.92	706.62	774.18	1020.57	770.20	867.77	536.86	452.67	520.89	0.67	0.00	0.35	0.01
ILMN_2589915	Hapln4	NM_177900.4	174.94	181.62	228.99	199.13	180.61	218.49	129.50	99.95	145.03	201.65	160.15	173.75	192.58	155.34	184.67	108.37	104.35	110.31	0.84	0.03	0.96	0.00
ILMN_1219820	1200002N14Rik	NM_027878.2	1550.82	1615.22	1222.76	1412.50	1486.22	1574.20	1000.59	894.20	976.88	1221.07	1133.18	1087.64	1112.27	972.04	1050.43	815.22	686.48	742.24	0.84	0.02	0.14	0.00
ILMN_2863837	Alox5ap	NM_009663.1	128.80	123.35	140.27	124.74	129.59	148.59	71.64	52.99	50.85	132.97	107.51	89.28	110.81	102.90	85.62	52.82	63.39	45.58	0.71	0.00	0.53	0.01
ILMN_2695344	Il17rc	NM_134159.2	234.60	262.31	296.93	260.34	238.06	317.56	151.33	140.76	203.30	312.75	279.68	263.75	314.43	264.88	255.27	177.46	187.95	179.20	0.82	0.02	0.77	0.00
ILMN_1239265	NfiB	Y07685	185.52	174.44	165.76	167.98	187.66	183.24	85.77	61.63	83.91	153.26	189.66	169.24	169.57	145.49	157.20	61.29	83.99	75.69	0.62	0.00	0.35	0.00
ILMN_1218109	9430093I07Rik		122.21	114.10	171.06	129.91	138.04	143.06	77.34	75.08	93.25	116.47	111.18	113.32	127.53	148.32	141.10	72.06	84.02	52.40	0.95	0.04	0.02	0.01
ILMN_2484695	Thsd1	NM_019576	42.25	42.65	47.85	42.70	38.68	56.08	20.00	20.00	20.00	28.90	30.89	31.71	32.12	31.06	25.83	20.00	20.00	20.00	0.79	0.00	0.71	0.00
ILMN_2620573	Ppp2r5b	NM_198168.3	63.55	59.27	75.57	48.69	75.71	82.94	27.11	25.59	40.20	67.84	72.05	71.29	82.71	70.05	67.65	30.35	37.17	32.75	0.81	0.01	0.56	0.00
ILMN_1236358	Chd4	NM_145979.2	642.05	601.80	663.04	682.79	623.05	646.24	412.72	393.53	454.65	678.61	725.29	724.08	637.55	681.26	704.04	401.55	412.12	450.90	0.58	0.00	0.23	0.00
ILMN_2590053	Dpm1	NM_010072.2	74.84	57.30	72.09	57.35	62.41	92.44	25.28	29.82	45.05	68.41	75.12	55.06	73.07	61.51	48.88	25.92	33.75	21.71	0.84	0.01	0.61	0.00
ILMN_2714565	Rrm2	NM_009104	821.83	743.35	819.47	841.38	901.77	706.06	518.22	526.37	399.09	863.58	941.88	755.65	742.60	783.57	686.07	593.74	509.08	518.51	0.75	0.00	0.13	0.01
ILMN_1256356	Pml	NM_008884	273.19	250.20	209.32	243.45	258.21	243.22	159.33	158.94	163.94	207.36	229.14	239.40	229.10	265.14	256.82	144.39	137.13	112.39	0.84	0.01	0.16	0.00
ILMN_2503728	Polr2l	XM_888022.3	6090.99	6133.13	7294.36	6883.60	6088.48	6946.67	3647.14	3822.01	4512.34	7296.79	6540.33	7116.71	7045.73	7174.00	7089.34	4474.00	4784.80	4509.35	0.80	0.01	0.64	0.00
ILMN_2773244	2610009E16Rik	XM_355811	592.33	703.69	834.29	663.94	645.90	865.91	437.73	389.28	538.68	746.22	691.05	646.54	705.31	724.05	634.60	452.98	466.78	435.33	0.89	0.04	0.88	0.00
ILMN_2655373	Siat7f	NM_016973.1	110.25	123.32	151.50	106.34	123.10	167.79	57.52	65.01	65.94	188.58	157.02	140.45	140.08	154.08	147.56	75.61	84.28	88.93	0.86	0.01	0.37	0.01
ILMN_2592823	Cdc42ep5	NM_021454.3	61.03	56.23	87.56	61.90	66.94	77.22	35.97	29.05	44.70	77.06	63.57	62.05	68.46	71.16	61.39	33.04	44.91	22.46	0.97	0.04	0.93	0.01
ILMN_2495167	D630040I23Rik		580.39	638.46	633.54	630.41	596.74	664.46	377.01	274.59	333.76	541.35	541.72	410.39	695.78	592.27	567.64	287.44	204.21	207.03	0.65	0.00	0.11	0.01
ILMN_2685985	Megf8	XM_194337.7	765.43	671.91	870.97	813.97	739.94	791.46	473.78	365.61	451.15	832.19	960.29	923.87	854.74	954.74	829.08	540.58	541.07	597.27	0.85	0.01	0.66	0.00
ILMN_2932518	Ccdc56	NM_026618.1	514.08	548.27	569.79	499.68	578.03	590.83	311.60	259.89	343.87	641.88	540.59	533.72	537.17	568.68	601.54	384.09	324.51	330.36	0.73	0.00	0.94	0.00
ILMN_2844040	Arsj	NM_173451.1	917.43	832.06	442.28	937.83	888.44	429.93	338.37	356.10	165.44	459.28	467.71	422.16	464.79	417.14	534.66	231.14	217.32	262.79	0.93	0.05	0.58	0.00
ILMN_3001322	Tmem119	NM_146162.1	2384.05	2383.62	2879.09	2662.47	2676.54	2432.94	1293.34	1157.31	1213.26	2225.58	2700.74	2697.09	3225.86	3074.76	3417.95	883.99	1102.41	1051.72	0.83	0.00	0.02	0.00
ILMN_2460094	Wnt10a	NM_009518.1	482.91	520.86	483.37	473.42	551.07	492.64	233.04	196.45	195.20	478.53	549.50	437.01	489.00	453.86	518.59	201.69	193.75	207.05	0.73	0.00	0.98	0.00
ILMN_2420070	Tubg1	NM_134024.2	971.86	894.67	1073.32	981.47	918.86	1093.08	619.77	589.74	664.50	1288.56	1240.73	1128.63	1102.51	1127.92	1135.40	710.69	850.00	834.37	0.82	0.00	0.11	0.00
ILMN_1242103	2610528B01Rik		240.96	201.30	168.38	200.20	210.68	204.49	114.84	110.02	134.14	234.50	189.87	194.91	177.10	183.06	162.27	95.44	91.22	90.79	0.94	0.02	0.10	0.00
ILMN_2543929	2610036L11Rik	XM_488549.3	3304.40	3185.44	3318.05	3474.67	3287.78	3228.48	2239.81	2154.81	1942.47	3147.84	3281.78	3000.87	2879.27	3233.23	2954.58	2295.91	2144.75	1756.38	0.51	0.00	0.42	0.00
ILMN_2893564	1190007F08Rik	NM_001033144.1	534.06	634.52	835.10	648.61	564.72	815.32	350.68	283.74	449.48	759.43	767.10	739.46	719.50	648.41	690.92	379.28	334.01	305.00	0.95	0.04	0.04	0.00
ILMN_1257694	Cd8b	NM_009858	2194.08	2300.46	2475.14	2174.69	2181.15	2775.98	1294.16	1304.23	1790.13	2401.54	2318.53	2384.34	2827.91	2253.59	2258.96	1499.68	1274.02	1131.97	0.81	0.01	0.70	0.00
ILMN_2620304	Arl2	NM_019722.3	295.43	274.65	374.31	297.63	258.41	416.09	149.74	181.54	221.98	386.04	413.49	450.49	397.15	382.72	371.73	256.93	250.76	240.98	0.88	0.02	0.18	0.00
ILMN_2694257	Ccdc28b	NM_025455.2	153.21	184.67	165.29	168.95	162.75	179.20	106.47	89.01	97.27	132.01	204.85	185.77	160.63	184.94	199.71	89.02	92.48	95.64	0.82	0.00	0.77	0.02
ILMN_2510714	Zhx1	NM_009572.3	451.53	458.09	397.73	458.54	476.76	396.46	250.24	249.33	269.03	356.48	345.20	326.48	346.94	315.80	316.72	151.56	130.91	163.41	0.81	0.00	0.29	0.00
ILMN_2431398	2810001G20Rik	XM_001476904.1	435.38	424.49	391.18	467.66	468.78	346.90	233.96	245.99	285.10	395.30	373.34	436.03	364.18	437.68	448.80	240.50	239.90	276.26	0.81	0.00	0.66	0.00
ILMN_2942314	2310047C04Rik	NM_027341.1	178.65	178.24	235.54	165.91	186.54	254.24	96.28	88.16	135.59	263.96	173.50	193.06	214.99	184.14	199.66	114.24	82.65	92.63	0.89	0.02	0.73	0.02
ILMN_1220430	Ccdc28b	NM_025455.2	176.26	179.04	241.81	196.11	173.92	234.51	125.98	96.30	115.33	211.57	232.70	229.12	243.82	230.90	247.50	97.67	129.04	113.43	0.93	0.02	0.12	0.00
ILMN_1244908	Apip	NM_019735.3	443.23	373.02	521.18	409.97	392.42	560.58	280.00	246.96	314.92	521.56	461.20	402.38	441.65	469.38	424.49	335.96	277.06	265.79	0.91	0.02	0.68	0.01
ILMN_2664522	1110048D14Rik	NM_183120.1	309.97	267.30	230.07	285.74	290.18	240.57	140.02	119.78	133.28	214.51	217.91	211.17	228.25	189.95	228.55	155.18	113.23	109.53	0.92	0.00	0.94	0.00
ILMN_2648548	Casp7	NM_007611.2	213.68	211.71	241.68	206.21	206.94	268.08	105.69	119.83	182.10	210.01	253.16	207.05	201.13	228.45	203.85	133.51	135.17	78.71	0.85	0.03	0.52	0.01
ILMN_2669793	Ccnd1	NM_007631.2	479.95	517.56	676.71	533.32	526.09	626.45	251.96	265.89	288.39	693.21	646.38	629.08	549.93	500.71	466.08	434.74	381.48	380.11	0.96	0.01	0.01	0.00
ILMN_3153772	Mospd3	NM_030037.1	136.37	158.16	195.58	153.37	155.80	184.54	113.76	81.96	119.05	222.25	214.60	188.75	141.10	178.55	165.68	78.15	128.56	90.26	0.96	0.05	0.04	0.00
ILMN_2757716	BC018242	NM_144935.1	327.04	325.55	357.82	312.81	333.40	380.55	177.97	161.23	181.52	304.64	318.87	333.57	292.13	337.37	347.97	148.24	168.18	175.41	0.82	0.00	0.74	0.00
ILMN_2730329	Hist1h2ah	NM_175659.1	5859.03	6510.11	7098.44	6517.98	6503.57	6649.80	3575.65	3524.45	3822.21	7003.99	7828.97	7734.59	6881.26	8007.66	7455.49	4374.98	5557.18	5147.74	0.86	0.00	0.87	0.00
ILMN_1238644	Marveld1	NM_183195.1	508.40	534.42	570.70	464.15	508.19	681.94	295.01	303.60	421.67	551.39	528.19	549.12	506.52	589.19	460.34	404.39	343.36	314.66	0.85	0.01	0.56	0.00
ILMN_2462202	Ube2m	NM_145578.1	219.45	271.05	304.70	221.67	241.73	350.15	169.47	108.51	183.17	324.72	297.32	360.38	309.69	313.50	311.78	220.04	182.26	154.41	0.90	0.03	0.44	0.01
ILMN_2544661	Mapbpip-pending	AK008395	122.04	103.17	111.41	100.81	107.82	133.31	74.27	40.71	88.67	115.27	98.19	121.05	108.83	103.58	98.92	81.20	69.42	68.03	0.88	0.04	0.36	0.01
ILMN_2478202	Camta1	NM_001081557.1	1115.97	1162.67	1130.72	1032.30	1159.29	1266.39	771.75	625.09	738.69	1244.77	1221.51	1222.54	1094.15	1183.30	1090.32	818.43	712.41	683.00	0.83	0.00	0.03	0.00
ILMN_1256369	Lynx1	NM_011838.4	645.56	714.90	798.73	696.58	755.77	723.19	395.69	338.51	310.43	564.80	598.81	606.69	661.56	618.46	658.55	317.05	337.44	273.92	0.91	0.00	0.04	0.00
ILMN_1259596	1190009E20Rik		638.90	611.53	696.45	657.99	668.37	639.01	395.80	392.57	378.49	618.34	513.81	540.59	667.86	562.26	545.20	403.67	323.99	362.82	0.83	0.00	0.53	0.01
ILMN_2774049	Amotl2	NM_019764.2	789.94	730.20	806.36	751.26	729.76	875.96	339.93	397.34	428.26	669.50	672.55	559.05	625.65	503.82	540.53	358.97	377.52	334.27	0.85	0.00	0.21	0.00
ILMN_1232465	2310047A01Rik	XM_908180.3	55.22	45.03	83.91	54.12	59.63	66.63	20.00	20.00	20.00	71.80	104.16	72.91	63.07	59.97	98.31	20.06	45.84	26.82	0.92	0.02	0.60	0.02
ILMN_2704927	AI480653	NM_198626.1	321.42	345.79	372.93	323.15	325.82	405.08	198.98	157.84	269.25	377.43	288.03	311.39	414.50	312.89	285.72	257.88	176.24	176.09	0.89	0.02	0.81	0.03
ILMN_2445165	Vdr	NM_009504.2	1433.93	1343.59	1020.40	1534.43	1474.37	892.58	723.22	769.56	543.01	1040.65	1341.50	1303.81	984.86	1297.39	1390.34	419.72	705.79	587.41	0.89	0.01	0.98	0.01
ILMN_1217998	Epb4.1l1	XM_487678	717.77	743.49	768.43	673.63	742.73	841.01	417.91	375.78	473.39	782.22	701.10	697.45	679.33	627.06	608.47	447.30	356.79	276.26	0.86	0.00	0.06	0.00
ILMN_2795412	Tmem176a	NM_025326.2	803.46	752.41	797.24	774.22	726.77	878.17	347.02	462.41	592.21	598.86	452.86	679.08	633.98	543.94	751.15	275.12	277.93	218.99	0.86	0.01	0.50	0.01
ILMN_2646834	D11Lgp2e	BC029209	83.17	64.72	64.13	63.01	78.04	71.94	25.97	43.25	32.58	36.88	75.32	53.67	56.87	56.77	43.97	25.30	20.00	20.00	0.97	0.01	0.83	0.04
ILMN_2658153	Zcchc17	NM_153160.2	412.49	418.33	325.32	413.40	467.77	297.55	269.75	294.62	187.39	283.95	384.73	390.53	293.40	365.98	364.43	167.87	255.77	222.82	0.90	0.04	0.79	0.03
ILMN_2859348	Taf9b	NM_001001176.1	821.83	850.38	665.32	813.67	781.45	746.23	331.38	302.44	268.87	693.59	704.53	729.03	671.14	689.98	700.68	225.54	232.30	199.16	0.98	0.00	0.18	0.00
ILMN_1237090	Copz2	NM_019877.2	519.58	532.02	689.92	525.76	516.29	716.37	378.92	311.54	451.91	669.81	599.25	617.65	523.32	567.91	536.20	460.87	369.27	341.89	0.95	0.04	0.03	0.00
ILMN_2535977	LOC386534	XM_359377.1	244.48	255.88	301.57	277.43	244.63	283.32	154.28	137.83	149.20	268.00	283.00	266.62	245.45	287.16	269.74	151.58	201.05	186.47	0.96	0.00	0.72	0.00
ILMN_2431619	Ube2l6	NM_019949	187.34	169.91	224.37	198.96	155.45	235.17	107.97	86.83	127.98	209.67	227.98	174.19	175.86	192.94	173.57	130.46	108.38	96.15	0.93	0.01	0.24	0.01
ILMN_2696829	Pcdh19	XM_975492.1	515.62	549.78	536.39	526.44	548.26	536.04	233.24	314.85	342.78	563.41	543.28	556.60	493.83	520.01	471.42	398.96	328.38	373.27	0.81	0.00	0.02	0.00
ILMN_1231457	1110036O03Rik	NM_176830.2	562.75	520.47	636.72	453.29	616.49	678.11	312.74	246.61	354.45	709.98	655.20	613.15	627.92	661.83	622.60	391.67	390.23	371.83	0.91	0.00	0.51	0.00
ILMN_3131063	Ccnd3	NM_007632.2	3360.13	3479.76	3792.68	3361.65	3402.81	3901.97	2114.16	2208.23	2563.64	3685.26	3011.31	3137.58	3325.22	3190.12	3248.81	2160.71	2064.38	1975.54	0.96	0.00	0.92	0.00
ILMN_3096592	Epb4.1l1	NM_001006664.2	477.07	484.61	609.54	489.92	500.14	578.57	301.23	284.62	280.85	488.54	528.16	552.21	493.37	502.17	496.02	272.63	307.43	230.38	0.99	0.01	0.24	0.00
ILMN_1213591	Aes	NM_010347	365.31	334.75	370.03	351.28	373.96	346.51	206.14	188.37	200.90	416.22	443.21	408.09	365.80	392.70	397.97	226.41	183.42	193.91	0.97	0.00	0.06	0.00
ILMN_2742867	Mtap	NM_024433.1	1786.50	1802.79	2274.01	1797.77	1726.28	2370.96	1056.90	1060.65	1475.37	2441.22	2041.78	2085.40	2447.65	2126.23	2065.45	1550.57	1399.45	1347.83	0.97	0.02	0.90	0.01
ILMN_1226683	Psmb8	NM_010724	1496.83	1615.56	1458.10	1502.23	1541.75	1527.34	1024.39	976.28	975.31	1129.91	1098.89	964.44	1002.30	1074.91	1097.47	751.26	692.84	631.45	1.00	0.00	0.92	0.00
ILMN_1242617	Gpr23	NM_175271	491.72	543.43	532.56	541.83	550.90	478.18	390.26	297.00	308.45	476.50	468.98	443.81	511.96	402.19	382.31	257.75	262.52	214.52	0.97	0.00	0.50	0.00
ILMN_1225494	Epdr1	NM_134065.3	1641.04	1767.90	1897.50	1775.45	1717.88	1807.22	1134.52	1082.20	1252.32	1710.90	1527.54	1604.09	1817.13	1545.75	1579.67	1165.58	1065.80	986.41	0.98	0.00	0.76	0.00

ILMN_2464061	Tubd1	NM_019756.2	183.28	161.34	244.50	164.41	177.31	248.17	114.72	89.19	140.04	233.72	190.42	199.83	167.58	228.77	198.88	126.04	104.25	106.61	0.99	0.05	0.69	0.00
ILMN_2953531	Mylc2b	NM_023402.1	7249.63	7028.73	6527.58	7224.53	6893.36	6677.01	4758.44	4317.33	4094.92	6915.38	6423.69	7564.27	6786.70	6619.62	6793.37	4599.94	4413.94	4535.69	0.99	0.00	0.52	0.00
ILMN_2506388	4933412E12Rik		773.12	834.12	898.14	765.95	802.53	941.14	602.37	445.74	594.77	842.43	868.69	819.09	901.26	812.27	810.04	548.87	504.82	450.66	0.98	0.01	0.95	0.00
ILMN_2933756	Mycbp	NM_019660.2	924.74	869.20	770.74	987.19	886.28	707.07	319.76	244.53	216.77	771.58	776.21	746.83	761.28	715.90	713.09	272.62	230.71	199.82	0.96	0.00	0.13	0.00
ILMN_2711615	Il1r1	NM_008362.1	49.03	77.44	54.99	58.31	54.09	66.07	37.68	29.37	20.00	63.45	50.64	55.07	87.33	59.48	54.69	34.09	27.88	21.17	0.92	0.04	0.38	0.01
ILMN_1226108	2900016J09Rik	AK013540	81.71	64.02	107.75	74.99	74.27	100.87	30.65	40.79	47.99	84.58	67.19	80.95	96.68	82.16	81.84	61.36	48.57	43.47	0.95	0.03	0.27	0.02
ILMN_2717387	Fbxo36	NM_025386.2	155.67	136.48	196.40	150.59	122.84	224.52	100.88	85.18	121.39	251.01	208.72	208.69	249.93	222.48	223.67	113.31	163.74	108.33	0.93	0.04	0.61	0.01
ILMN_1242853	Salf-pending	XM_140120.4	226.73	242.19	260.14	236.80	226.54	264.38	140.43	139.51	200.02	239.58	235.17	255.05	231.55	210.48	196.18	138.07	139.99	137.92	0.98	0.02	0.06	0.00
ILMN_2520326	Nbea		37.03	35.05	26.65	33.14	46.16	22.44	20.00	23.15	20.00	30.39	33.57	32.17	33.55	22.48	24.07	20.00	20.00	20.00	0.90	0.02	0.21	0.00
ILMN_1227159	Dut	NM_023595.5	403.91	451.19	393.07	407.96	416.61	417.80	236.83	301.62	289.36	396.68	378.23	334.65	421.44	373.34	362.30	251.80	214.56	215.21	0.92	0.01	0.57	0.00
ILMN_3125890	Tmem134	NM_001078649.1	966.83	953.88	904.49	961.48	972.07	884.02	612.03	590.84	639.36	828.00	907.61	929.61	869.02	899.12	958.76	574.26	542.70	536.05	0.94	0.00	0.64	0.00
ILMN_2661287	Akp2	NM_007431.1	170.14	184.72	189.07	209.02	170.34	165.20	116.19	98.81	106.53	144.50	146.69	125.07	124.97	141.24	150.14	61.42	81.54	97.10	0.99	0.00	1.00	0.01
ILMN_1252136	Hist1h2af	NM_175661.1	23226.13	24669.97	26032.44	23824.77	23553.47	26276.05	13809.84	14244.45	17609.72	24906.18	27652.02	26505.34	26630.03	28154.23	26030.05	18483.70	18190.96	15728.07	0.94	0.00	0.60	0.00
ILMN_2722353	Pomgnt1	NM_029786.1	312.56	291.43	328.66	287.86	289.50	354.69	169.02	165.77	258.72	276.81	332.61	339.17	274.11	293.76	327.50	225.76	205.52	183.90	0.99	0.02	0.52	0.01
ILMN_2690144	Tgm5	NM_028799.1	62.09	61.40	77.91	62.23	58.14	81.04	34.17	21.92	44.50	94.75	76.01	94.90	85.50	66.71	65.12	53.54	60.58	60.91	1.00	0.02	0.15	0.01
ILMN_2683794	Oaz2	NM_010952.2	559.32	562.96	575.68	572.62	561.22	556.63	384.54	308.11	346.14	599.61	594.35	535.25	571.74	585.39	596.40	376.09	345.78	369.14	0.73	0.00	0.73	0.00
ILMN_2422982	Synpo		973.42	872.49	881.71	866.79	848.59	1004.54	401.94	323.15	393.55	1018.15	831.27	854.52	1104.32	864.80	887.71	388.21	318.07	310.37	0.97	0.00	0.62	0.00
ILMN_2792601	P2ry5	NM_175116.2	812.53	800.08	808.46	824.59	776.10	809.73	474.92	473.65	517.94	864.77	736.49	748.21	780.22	713.04	635.20	490.84	435.86	387.13	0.82	0.00	0.28	0.00
ILMN_2971131	3110001D03Rik	NM_025849.2	2891.70	2615.35	2720.72	2846.03	2651.23	2686.08	1966.57	1564.73	1944.49	2769.51	2472.93	2670.70	2895.82	2695.54	2597.18	1586.75	1754.64	1686.95	0.89	0.00	0.50	0.00
ILMN_1218347	Mylk	NM_139300.3	461.46	432.11	678.39	433.45	429.49	715.69	226.39	163.16	346.26	543.23	447.31	395.31	467.00	391.27	368.32	222.39	205.70	152.22	0.99	0.04	0.37	0.01
ILMN_1227458	Nuak1	NM_001004363.1	3395.47	3434.24	3884.16	3699.34	3259.12	3695.15	1901.56	1818.45	2525.85	3009.35	3145.07	3171.76	2584.83	2432.93	2353.19	1706.84	1819.74	1516.59	0.93	0.01	0.00	0.00
ILMN_2591158	1200015N20Rik	NM_024244	1053.78	1038.39	803.48	983.22	1019.76	862.41	715.40	646.63	516.18	741.43	828.07	772.00	894.72	686.41	796.78	455.88	475.27	429.23	0.92	0.03	0.86	0.00
ILMN_1232391	2210011G09Rik		725.20	676.68	591.14	671.16	744.82	570.40	397.88	402.80	336.13	474.72	579.01	533.34	536.05	527.29	520.93	320.85	282.89	286.93	0.97	0.00	0.98	0.00
ILMN_2977350	Arhgap8	NM_146061.4	64.01	58.06	71.06	72.16	46.11	77.98	20.00	28.15	52.58	80.48	73.43	79.62	88.50	84.57	76.88	53.97	44.61	28.27	0.93	0.04	0.25	0.01
ILMN_2990485	Zfp791	NM_001037745.1	213.10	187.74	208.11	192.39	212.28	200.12	131.69	86.25	103.75	161.19	188.37	154.62	159.99	166.78	190.83	82.35	63.87	58.49	0.89	0.00	0.76	0.00
ILMN_2996683	Pvrl2	NM_008990.2	648.98	693.14	762.81	698.72	678.51	710.03	336.32	299.20	271.40	698.93	679.58	570.16	715.33	665.01	647.34	428.94	366.03	328.56	0.87	0.00	0.59	0.01
ILMN_2809589	Ly6f	NM_008530.1	337.99	301.02	306.59	327.70	284.82	327.76	141.31	108.89	108.03	331.70	239.89	221.79	236.41	242.71	225.02	95.90	104.18	108.08	0.93	0.00	0.44	0.01
ILMN_2599570	Sephs1	NM_175400.5	137.76	108.67	132.13	115.32	121.07	138.90	75.50	72.64	82.50	106.04	114.09	82.00	127.88	112.06	103.96	78.20	59.70	52.87	0.93	0.01	0.31	0.04
ILMN_2519030	2610001J05Rik	XR_035242.1	274.06	307.01	333.77	311.62	271.83	324.90	190.03	157.13	257.43	355.14	295.26	303.52	309.57	306.73	292.51	214.35	194.33	167.39	0.93	0.04	0.48	0.01
ILMN_2470889	2310014G06Rik	NM_001082975.1	108.74	135.44	115.74	110.80	122.37	123.19	65.83	65.61	60.06	104.92	79.91	98.64	96.64	92.30	85.41	58.47	55.41	57.38	0.90	0.00	0.73	0.01
ILMN_2740149	Chpt1	NM_144807.2	343.45	312.90	277.71	294.71	324.26	305.84	225.79	176.04	220.96	343.85	315.38	331.76	288.85	295.56	317.12	250.04	168.74	181.51	0.89	0.01	0.07	0.01
ILMN_2532035	LOC245350	XM_141626.2	119.92	107.14	112.69	112.96	135.08	92.45	87.92	87.35	47.62	88.53	117.68	119.80	84.53	100.48	86.47	55.63	69.92	65.21	0.99	0.05	0.18	0.01
ILMN_2833936	Cryl1	NM_030004.2	259.92	257.26	336.14	259.18	250.81	336.11	140.59	137.12	209.46	330.19	335.79	315.12	312.05	341.55	332.21	209.32	172.72	166.41	0.95	0.03	0.89	0.00
ILMN_1247094	Nrp	AK030358	224.76	221.98	230.52	243.98	218.33	209.64	112.20	109.65	100.26	196.52	192.07	217.89	183.85	180.83	181.67	132.50	99.92	97.39	0.88	0.00	0.07	0.00
ILMN_2824012	Timm17b	NM_011591.2	42.40	46.78	43.96	56.89	45.15	32.94	30.01	23.79	25.55	33.02	53.30	37.25	35.13	57.40	49.28	20.14	23.70	24.33	0.93	0.00	0.54	0.04
ILMN_1247996	LOC673501	XM_001005723.1	10501.47	10792.62	9221.06	9786.84	11238.30	9212.18	5529.33	5081.97	3884.39	9301.01	12215.01	9556.38	9251.72	11158.13	9550.96	5616.00	3863.21	5784.62	0.91	0.00	0.75	0.01
ILMN_2656884	Tmem53	NM_026837.2	80.60	83.55	77.49	86.74	66.42	87.80	54.24	44.86	42.19	66.85	93.20	91.32	97.35	90.95	82.72	31.57	42.07	39.43	0.98	0.00	0.53	0.01
ILMN_2667463	Ocel1	NM_029865.1	127.64	121.17	167.56	127.64	119.87	164.17	89.08	68.73	103.54	119.97	138.40	119.97	117.10	118.01	119.25	61.35	90.95	79.82	0.94	0.04	0.27	0.01
ILMN_2536389	LOC383897	XM_357315.1	67.12	81.17	83.46	69.82	68.57	92.01	36.02	35.95	57.25	97.33	73.97	72.52	73.76	68.32	78.55	40.44	37.80	42.96	0.96	0.02	0.42	0.01
ILMN_1218384	Nfic	NM_026756.2	662.30	694.63	810.59	685.89	695.33	757.10	355.74	360.02	470.34	741.52	641.05	732.51	725.17	588.35	674.48	313.78	333.56	291.35	0.86	0.01	0.45	0.00
ILMN_1218380	Hist2h2ac	NM_175662.1	17721.45	20646.02	23025.87	18606.16	19351.98	22634.75	11685.67	11481.26	15582.55	22709.41	25323.25	23843.35	23743.90	25973.32	22965.10	15490.23	15814.59	15387.58	0.90	0.02	0.83	0.00
ILMN_3112873	Txnip	NM_001009935.2	1477.25	1524.85	1265.09	1403.04	1511.12	1300.03	962.61	764.79	539.17	1055.70	1468.49	1090.75	1104.52	1202.35	1048.95	633.12	644.38	566.01	0.87	0.01	0.57	0.01
ILMN_1224080	LOC100045958	XM_001475407.1	137.65	131.46	113.10	143.49	135.26	101.82	93.12	88.70	63.68	116.91	103.19	92.86	106.32	111.92	115.74	77.74	58.30	70.30	0.97	0.02	0.40	0.02
ILMN_2739843	Metrn	NM_133719	1989.83	2016.61	1836.22	2093.66	1895.03	1791.61	1186.53	1347.21	1259.66	1924.33	2243.24	2572.92	2071.83	2046.25	2309.12	1265.89	1569.47	1519.55	0.85	0.00	0.64	0.02
ILMN_2614351	Serhl	NM_023475.2	350.29	299.06	365.45	348.58	348.82	303.47	245.95	204.09	199.81	285.86	376.65	377.48	342.45	374.03	416.76	182.47	198.76	178.87	0.86	0.01	0.45	0.01
ILMN_2850073	BC018242	NM_144935.1	176.40	154.74	151.68	159.91	168.10	148.19	87.59	76.59	64.99	138.60	144.03	126.75	155.03	117.55	136.29	68.85	46.19	65.40	0.83	0.00	0.99	0.00
ILMN_1246346	B230107H12Rik		150.59	132.74	139.22	121.78	144.65	151.93	100.30	87.81	89.92	134.40	164.48	157.31	145.59	154.69	130.91	101.08	98.31	75.26	0.90	0.00	0.51	0.01
ILMN_2911123	Itga2b	NM_010575.1	46.74	66.03	69.33	48.12	64.07	66.67	36.18	30.31	37.92	55.18	49.80	42.81	49.43	66.67	65.39	25.41	23.20	23.42	0.91	0.03	0.16	0.00
ILMN_2609504	Lgr6	XM_283647	78.78	62.09	77.62	62.14	73.17	80.10	20.00	20.00	20.00	72.09	58.84	47.34	48.33	49.28	30.28	20.00	20.00	20.00	0.90	0.00	0.15	0.01
ILMN_2590627	1810062G17Rik	XM_001475130.1	148.88	124.73	139.49	127.76	115.89	167.72	62.09	44.54	83.05	129.02	129.29	121.28	125.87	107.15	132.40	64.58	57.14	39.35	0.97	0.00	0.59	0.00
ILMN_1236344	1700019E19Rik	NM_029601.1	1467.34	1441.15	1449.79	1402.93	1428.40	1465.59	927.88	809.61	864.93	1529.51	1480.68	1506.36	1427.09	1404.58	1345.99	849.20	939.95	991.13	0.36	0.00	0.02	0.00
ILMN_2980858	Mboat5	NM_145130.1	1056.07	1010.35	1310.42	1053.61	980.49	1294.58	587.97	532.34	784.94	1208.76	1212.01	1192.11	1138.71	1208.00	1149.69	658.19	718.04	647.80	0.91	0.02	0.16	0.00
ILMN_2773422	Tmem134	NM_001078649.1	1079.47	1045.96	1230.03	957.41	1039.00	1335.10	733.05	616.61	856.87	1177.28	1147.63	1214.19	1100.58	1007.25	1023.21	816.77	696.49	661.73	0.95	0.01	0.02	0.00
ILMN_2981801	Hist1h2ag	NM_178186.2	1319.93	1424.02	1214.71	1381.64	1306.90	1208.76	730.20	671.42	648.40	1313.82	1571.86	1409.35	1360.71	1407.03	1345.05	713.38	750.32	738.68	0.81	0.00	0.48	0.00
ILMN_2939138	Bicc1	NM_031397.2	1421.23	1477.50	1840.53	1522.90	1478.97	1639.20	1033.19	886.11	1233.92	1500.98	1512.97	1534.10	1453.05	1486.33	1624.19	899.31	1059.38	987.08	0.83	0.03	0.93	0.00
ILMN_2619671	Mrps16	NM_025440.2	1355.38	1409.04	1542.57	1330.17	1404.59	1504.36	809.50	787.88	825.40	1331.60	1601.43	1465.96	1229.72	1616.42	1508.17	840.81	885.88	895.49	0.78	0.00	0.92	0.00
ILMN_2932164	Notum	NM_175263.3	39.47	33.37	44.15	37.70	35.52	41.36	20.00	20.00	20.68	30.68	41.77	36.28	44.38	37.65	35.42	22.29	25.03	20.00	0.83	0.00	0.53	0.02
ILMN_1219447	Zmym3	NM_019831.2	431.70	495.99	558.93	436.14	434.87	598.54	302.64	247.52	351.65	566.27	436.92	424.63	581.05	459.07	406.84	285.72	254.58	234.91	0.94	0.01	0.93	0.01
ILMN_2614861	Ranbp6	NM_177721.3	55.37	47.98	69.66	57.18	53.27	57.60	20.00	20.19	20.00	58.27	39.29	57.37	72.20	53.25	46.07	20.00	27.02	20.00	0.81	0.00	0.61	0.01
ILMN_3159435	Mid1	NM_183151.1	341.12	389.03	279.14	349.03	348.32	287.25	198.62	198.64	242.91	298.34	269.70	240.45	262.92	236.73	251.96	125.17	120.20	188.48	0.84	0.02	0.36	0.01
ILMN_2479690	1700048O20Rik		152.83	136.25	129.10	121.03	148.84	140.41	84.92	71.67	85.83	177.08	163.72	146.43	136.92	159.38	143.95	82.93	86.03	108.54	0.82	0.00	0.23	0.00
ILMN_1216273	Bcl7c	NM_009746.2	1392.99	1370.77	1171.07	1381.81	1343.91	1130.30	906.06	823.60	833.65	1045.95	1364.90	1282.97	1046.32	1205.50	1331.40	738.59	863.61	749.60	0.82	0.00	0.78	0.01
ILMN_1241811	2610029K11Rik		46.77	57.72	53.23	56.62	57.84	41.17	33.90	35.51	20.00	40.12	55.63	50.44	46.80	54.43	53.29	27.65	31.73	33.25	0.92	0.02	0.62	0.02
ILMN_1235921	A930005G04Rik		1331.33	1251.69	1068.46	1268.63	1365.16	963.44	943.96	836.82	639.97	1048.12	1159.11	1080.91	930.78	958.63	1065.76	711.38	694.58	674.75	0.91	0.03	0.10	0.00
ILMN_2744036	2410014A08Rik	NM_175403.2	94.18	105.09	95.40	104.91	77.55	108.71	62.45	30.58	26.58	109.35	118.91	105.15	110.99	102.20	96.32	52.65	43.42	55.09	0.92	0.01	0.25	0.00
ILMN_1254786	Ech1	NM_016772.1	1220.69	1318.55	1391.89	1246.67	1352.86	1243.84	952.17	867.28	800.78	1393.05	1389.42	1466.48	1193.54	1337.73	1364.88	848.97	816.59	834.65	0.66	0.00	0.12	0.00
ILMN_2551612	8430426J06Rik	AK020235	29.66	36.74	28.82	20.00	31.56	46.59	20.00	20.00	20.00	32.36	30.20	29.01	43.49	35.89	35.00	20.00	20.00	20.00	0.91	0.01	0.06	0.00
ILMN_2709690	Rhbdl7	NM_146002.1	64.70	71.47	70.40	62.57	68.82	70.76	24.37	27.91	21.40	76.37	97.54	72.47	81.72	89.77	99.30	21.55	24.78	36.07	0.67	0.00	0.43	0.00
ILMN_2636116	Pdcd5	NM_019746.2	386.70	358.53	276.09	372.02	370.27	259.97	223.00	217.37	192.76	292.07	405.61	364.18	294.69	310.10	299.14	238.90	226.16	207.70	0.90	0.02	0.19	0.02
ILMN_1259818	C130057N11Rik		468.21	467.05	466.49	430.46	407.95	542.92	272.06	267.29	322.68	449.30	334.58	318.56	445.10	331.05	340.99	229.68	171.87	163.54	0.88	0.00	0.93	0.02
ILMN_2911283	Ap2s1	NM_198613.1	272.24	304.21	278.97	262.32	274.95	299.13	163.13	205.00	176.25	259.57	328.75	329.61	252.69	337.31	337.61	198.88	226.69	170.93	0.69	0.00	0.93	0.02
ILMN_1223198	LOC676704	XM_001003389.1	360.15	377.23	299.52	380.20	341.25	291.73	225.19	194.32	168.18	351.75	383.22	441.99	370.83	352.00	383.48	206.44	234.98	262.60	0.83	0.01	0.45	0.01
ILMN_1237725	Arsj	NM_173451.2	522.95	469.85	496.38	486.43	461.74	505.01	201.59	166.73	207.98	368.69	439.18	448.43	432.83	392.84	385.62	257.04	202.19	155.30	0.58	0.00	0.63	0.01
ILMN_2596230	2410014A08Rik	NM_175403.2	489.47	494.25	585.03	479.26	472.80	580.44	267.47	257.78	342.46	575.95	450.23	491.07	565.78	521.72	429.67	324.77	290.48	253.89	0.81	0.00	1.00	0.01
ILMN_2769884	Igf1	NM_010512.3	110.36	87.98	101.67	108.18	88.85	95.40	28.42	36.71	50.95	134.91	114.00	107.92	95.71	94.15	79.42	80.35	77.26	43.32	0.78	0.00	0.04	0.02
ILMN_2653567	Rhoj	NM_023275.2	1229.07	1126.01	877.25	1262.47	1230.03	724.87	807.23	774.80	555.83	747.86	813.88	805.76	926.89	886.27	1025.57	462.75	433.99	445.23	0.98	0.05	0.03	0.00
ILMN_2525605	EG667728	XR_035278.1	18798.27	21626.47	21035.77	19730.87	20226.57	19858.15	11972.51	12981.69	13972.23	19429.95	22095.67	22323.27	22148.87	22679.35	20649.77	14186.31	13948.17	13040.91	0.56	0.00	0.65	0.00
ILMN_2974069	Slc35a3	NM_144902.3	97.69	78.18	89.79	128.25	76.91	64.42	59.27	54.55	47.26	87.91	101.30	88.26	66.17	79.13	74.24	56.90	68.01	54.31	0.95	0.01	0.03	0.01
ILMN_2525049	Fstl	XM_147260.1	1165.86	1247.10	1046.33	1189.09	1217.10	973.78	764.75	745.66	661.06	975.27	1390.72	1314.83	1003.38	1340.64	1216.13	671.48	840.04	819.12	0.80	0.00	0.82	0.03
ILMN_2674425	Sys1	NM_025575.3	137.65	107.56	132.09	135.22	132.59	101.04	56.69	64.68	66.92	93.64	127.66	113.39	82.90	114.10	102.59	67.57	74.73	72.02	0.85	0.00	0.43	0.02
ILMN_2724235	Myo18a	NM_011586.2	287.23	348.92	283.25	318.11	318.76	259.26	147.45	204.04	128.42	224.65	249.52	244.31	217.04	256.42	253.46	129.99	137.41	133.07	0.80	0.01	0.86	0.00
ILMN_2551744	Tsga14	AK019270	54.23	54.32	42.57	49.66	59.36	39.38	23.00	25.25	38.29	56.55	45.12	55.54	62.03	56.44	56.84	33.03	20.00	20.00	0.90	0.03	0.21	0.01
ILMN_2688888	Gca	NM_145523.3	291.73	282.21	297.99	265.53	255.39	334.35	169.48	136.38	197.98	242.15	189.47	170.35	202.51	154.11	157.16	105.48	100.75	88.06	0.84	0.00	0.33	0.01
ILMN_1254335	Sec16b	NM_033354.2	132.60	122.69	138.35	158.82	157.29	83.22	70.29	82.61	55.10	98.94	107.76	148.74	99.38	105.73	118.71	39.00	35.92	52.46	0.94	0.00	0.55	0.01
ILMN_2629835	Mrpl33	NM_025796.2	8624.67	8897.37	9170.62	8861.04	9159.83	8006.89	5793.07	5291.98	6095.82	9308.20	9602.00	8882.07	8694.05	9498.69	9211.62	6270.66	5960.37	5639.50	0.59	0.00	0.70	0.00
ILMN_2431657	D10Ertd516e	XM_125901	478.65	451.54	433.46	445.71	454.76	426.79	246.25	267.54	335.29	447.28	424.97	421.52	475.34	402.11	400.68	250.08	257.68	219.92	0.48	0.00	0.85	0.00
ILMN_2943661	Trappc1	NM_001024206.1	2104.80	2159.54	2781.06	2290.10	1837.73	2773.00	1292.11	1154.55	1385.91	2715.12	2693.25	3023.88	2720.86	2655.40	2891.14	1421.85	1764.85	1553.40	0.90	0.01	0.69	0.00
ILMN_2754787	Rsrc1	NM_025822.3	580.88	728.44	662.56	759.38	682.52	498.12	483.98	420.51	310.38	551.92	667.46	724.37	560.77	724.80	745.62	363.16	463.66	422.29	0.91	0.02	0.73	0.02
ILMN_1224072	AA536749	NM_201245.2	143.50	127.64	109.75	144.07	106.26	120.82	70.80	67.13	82.82	98.65	126.09	104.09	108.08	120.52	85.36	49.11	74.52	87.24	0.84	0.01	0.73	0.05
ILMN_2603791	Sprr2g	NR_003548.1	872.03	869.40	573.97	763.53	843.92	621.09	295.74	247.98	185.67	305.95	600.79	478.42	416.41	560.63	548.55	174.23	179.95	174.86	0.82	0.01	0.66	0.03
ILMN_1215893	Alg3	NM_145939.1	243.59	247.79	309.28	232.33	225.75	327.29	144.45	110.30	189.74	288.03	296.89	277.43	312.15	274.02	287.55	213.29	182.33	169.72	0.90	0.02	0.78	0.00
ILMN_2744587	Cib2	NM_019686.3	434.20	397.72	523.54	391.78	416.14	509.05	270.59	241.66	261.72	671.75	628.34	572.05	556.14	568.94	557.30	317.81	332.60	329.41	0.82	0.01	0.10	0.00
ILMN_2503166	C330011F01Rik	XM_001005388.1	53.91	66.84	50.46	58.98	58.77	48.14	30.95	36.70	35.07	46.53	41.46	44.60	47.76	54.56	65.40	24.19	28.97	31.98	0.79	0.01	0.09	0.00
ILMN_1215252	Bmp4	NM_007554.2	1518.17	1535.27	2060.67	1549.29	1503.30	1892.08	723.69	717.89	1045.70	1847.36	1456.59	1631.82	1475.08	1236.16	1316.91	881.40	905.10	939.28	0.81	0.01	0.09	0.00
ILMN_1243491	Slc2a10	NM_130451.2	74.64	69.96	70.71	65.58	75.17	68.64	33.59	32.01	39.68	68.97	61.73	62.64	61.26	55.44	59.62	28.31	29.49	39.27	0.57	0.00	0.12	0.00
ILMN_2775767	LOC100043919	XM_001481238.1	138.46	115.45	130.00	91.89	123.33	168.00	80.85	87.75	83.66	146.08	109.27	131.79	156.19	126.22	127.30	81.19	76.04	73.52	0.99	0.00	0.63	0.01
ILMN_2939666	Fzd2	NM_020510.2	312.30	304.59	354.85	281.37	299.34	367.17	138.73	126.92	165.21	426.78	390.06	319.74	347.97	311.64	349.58	124.14	113.21	100.58	0.81	0.00	0.28	0.00
ILMN_2450735	Rn18s	NR_003278.1	26609.35	25939.80	24842.93	25767.68	25994.05	23391.53	17424.00	15529.05	14142.74	22030.56	26857.04	25276.08	23440.58	25505.34	23089.40	16885.42	12418.99	17197.38	0.49	0.00	0.68	0.01
ILMN_2650428	4833442J19Rik	NM_177101.2	269.17	232.43	181.41	225.28	227.83	201.61	126.13	109.47	59.31	182.72	176.97	180.22	196.61	172.69	167.67	74.76	80.42	62.32	0.74	0.02	0.92	0.00
ILMN_1225662	1700016J18Rik	XM_994504.1	62.03	75.62	73.68	55.20	57.15	99.75	28.45	34.16	43.13	48.67	57.00	53.59	67.69	62.35	59.43	23.84	32.53	31.75	0.99	0.00	0.04	0.00
ILMN_2493144	2810410D24Rik		96.88	98.94	126.06	83.03	121.55	108.84	48.07	33.13	42.99	94.41	108.25	116.62	92.87	118.23	101.50	52.14	68.17	42.66	0.86	0.00	0.83	0.01
ILMN_2999762	Fmod	NM_021355.2	378.15	358.90	456.53	454.32	339.21	365.16	268.46	229.63	235.64	303.55	475.49	467.96	282.51	349.35	348.50	230.06	230.89	235.31	0.81	0.01	0.21	0.03
ILMN_1221598	9330133O14Rik	NM_176948	99.86	102.96	131.45	100.60	93.63	130.11	45.88	57.49	61.90	108.48	123.51	122.17	113.69	109.79	129.11	87.15	59.30	49.49	0.84	0.01	0.95	0.01
ILMN_2427869	5133400G04Rik	NM_029485.1	293.18	272.09	324.84	278.97	272.62	308.26	171.81	134.51	209.61	342.55	312.89	301.30	311.20	283.54	276.92	160.63	149.29	126.09	0.62	0.01	0.15	0.00
ILMN_2616989	Kctd17	NM_001081367.1	3018.73	2859.57	2578.99	2879.43	2627.50	2659.42	1983.20	1501.69	1445.25	2507.90	3251.82	3158.97	2674.64	2713.34	3016.89	1868.59	1782.81	1762.07	0.56	0.01	0.54	0.01
ILMN_2727992	D10Ertd322e	NM_026065.2	2255.63	2155.32	3034.84	2340.57	2108.73	2699.49	1494.49	1131.78	1804.76	2654.19	2767.58	2644.37	2298.64	2742.03	2681.78	1589.13	1754.80	1710.47	0.78	0.04	0.47	0.00
ILMN_3000108	Lsm6	NM_030145.1	2219.83	1915.45	2304.45	2106.97	1903.44	2205.45	1309.87	1349.84	1528.22	2328.51	2000.12	2029.68	2160.78	1994.45	2085.69	1427.06	1233.75	1347.42	0.64	0.01	0.75	0.00
ILMN_2460692	Bves	NM_024285	117.73	134.29	113.52	110.31	142.39	102.94	77.19	60.81	93.31	98.44	93.92	91.69	82.94	80.82	80.97	64.06	54.41	34.65	0.82	0.02	0.00	0.01
ILMN_1232024	Tomm40l	NM_001037170.2	1299.45	1233.05	1571.26	1316.39	1230.95	1398.16	831.25	816.01	999.30	1505.03	1489.85	1524.37	1438.32	1515.99	1398.39	909.37	954.03	812.43	0.67	0.02	0.20	0.00
ILMN_2590520	H2-Bl	NM_008199.1	223.91	187.19	220.26	197.14	168.65	249.87	115.71	129.03	167.57	138.18	158.88	151.69	144.57	146.66	128.32	81.71	90.95	85.81	0.85	0.02	0.31	0.00
ILMN_2929791	Pfn2	NM_019410.2	541.43	530.08	411.53	534.99	535.67	370.61	304.74	294.59	207.38	340.80	477.70	491.26	399.08	393.49	429.36	217.68	214.20	254.12	0.85	0.01	0.58	0.01
ILMN_2748164	Hist1h3f	NM_013548.2	438.26	478.42	344.81	455.12	491.11	290.82	256.20	225.83	169.64	376.40	512.76	470.58	388.91	533.91	414.17	275.56	297.97	275.49	0.92	0.01	0.91	0.01
ILMN_1224644	Elk3	NM_013508.1	129.61	127.24	153.15	120.45	117.08	161.01	51.97	66.18	75.34	150.14	139.02	129.73	152.33	148.38	139.32	100.92	86.43	74.13	0.83	0.00	0.37	0.01
ILMN_2693124	Rab1b	NM_029576.1	1065.66	969.59	1070.28	981.77	1037.19	974.40	749.21	589.48	623.46	1169.39	1239.52	1307.01	1055.81	1173.43	1132.65	699.78	676.57	842.34	0.38	0.00	0.09	0.00
ILMN_1213609	Txnip	NM_023719.1	3373.63	3240.57	3695.99	3193.27	3103.96	3655.07	2353.83	1584.77	2125.23	2967.98	3360.11	2802.14	2876.21	3343.80	2764.76	1835.89	1650.62	1360.18	0.61	0.01	0.85	0.00
ILMN_2706268	Scara3	NM_172604.3	1137.60	1187.14	1524.59	1095.87	1123.81	1495.50	663.62	405.35	721.68	1576.47	1365.87	1431.30	1507.76	1363.14	1321.76	683.89	569.34	571.33	0.81	0.01	0.51	0.00
ILMN_1233001	Kctd17	NM_001081367.1	374.82	296.37	398.84	345.79	334.80	342.26	235.63	181.57	199.94	388.29	399.78	369.40	334.53	380.34	346.97	206.11	244.83	225.00	0.64	0.01	0.12	0.00
ILMN_2990197	Bola3	NM_175277.2	821.43	912.01	1160.88	947.05	785.47	1045.52	378.69	359.05	576.97	1019.35	1140.48	1182.14	900.78	987.81	1021.51	550.89	515.21	521.68	0.77	0.01	0.08	0.00
ILMN_2654822	Chd4	NM_145979.2	362.30	428.21	420.26	411.91	353.15	400.69	274.48	229.98	244.06	356.27	472.41	469.28	381.21	409.85	383.52	228.06	265.58	259.85	0.61	0.00	0.35	0.01
ILMN_2945694	Hist1h3a	NM_013550.3	301.17	304.54	241.45	305.27	305.22	212.21	173.38	163.20	114.30	233.25	323.04	340.30	259.18	353.95	307.36	161.74	211.63	206.81	0.84	0.01	0.86	0.05
ILMN_2929966	Oas1d	NM_133893.1	42.84	37.70	35.92	44.79	34.45	33.52	24.23	26.94	26.12	39.54	52.69	41.72	27.05	39.05	33.70	25.54	22.41	20.00	0.78	0.00	0.10	0.01
ILMN_2900617	Tle6	NM_053254.2	576.56	532.90	720.97	569.27	465.00	744.73	333.90	336.91	499.70	707.33	600.44	607.71	582.04	583.45	539.21	391.53	412.99	344.98	0.87	0.05	0.13	0.00
ILMN_3154231	3830406C13Rik	NM_178141.2	339.70	325.75	422.29	306.37	338.27	400.91	166.83	161.36	219.54	348.02	320.63	330.57	328.73	325.69	284.81	150.83	137.44	138.54	0.75	0.01	0.29	0.00
ILMN_2600720	2310007H09Rik	NM_029609.1	178.35	217.54	255.72	179.19	197.49	249.19	110.73	104.63	156.19	241.71	212.81	199.55	234.14	230.19	186.39	139.13	121.11	116.84	0.79	0.03	0.96	0.00
ILMN_2441142	9130223C08Rik		413.21	403.27	451.77	466.63	405.05	353.47	248.58	223.09	252.79	414.61	333.11	375.35	418.18	407.20	348.14	235.39	206.55	173.56	0.71	0.00	0.63	0.00
ILMN_1222602	2410014A08Rik	NM_175403.2	455.26	438.24	624.22	441.64	475.22	525.98	278.20	291.01	319.09	554.90	482.71	466.73	529.55	445.37	502.70	331.94	303.50	256.39	0.72	0.03	0.82	0.00
ILMN_2610954	Gpr172b	NM_029643.2	565.08	555.42	722.77	584.89	618.23	555.67	397.54	404.14	378.17	663.04	597.47	682.50	582.78	625.57	583.44	449.07	416.00	398.82	0.65	0.02	0.16	0.00
ILMN_1231962	Mycbp	AK033289	54.61	42.55	42.18	49.44	54.85	32.01	20.00	20.00	20.00	42.83	27.75	37.31	38.30	40.69	38.95	20.00	23.82	20.00	0.91	0.00	0.49	0.03
ILMN_2716622	Mapk11	NM_011161.4	451.33	427.83	454.63	377.19	403.91	509.05	255.54	199.52	359.80	531.10	454.67	463.81	494.43	410.37	485.58	292.09	290.15	274.38	0.74	0.02	0.61	0.00
ILMN_2915689	Dhx58	NM_030150.2	102.28	110.20	130.81	102.49	98.50	129.01	67.35	50.48	56.46	74.59	84.34	79.29	88.45	94.00	86.07	23.12	44.72	35.80	0.75	0.00	0.05	0.00
ILMN_2617552	9930012K11Rik	NM_001004155.1	337.29	311.78	202.26	279.32	288.43	233.17	175.60	167.59	133.53	259.13	216.38	213.54	227.74	211.23	265.38	152.92	120.55	140.70	0.73	0.05	0.83	0.01
ILMN_2630512	Rsrc1	NM_025822.3	1952.17	1886.26	2099.78	1872.43	1842.20	1976.08	1272.92	1082.68	1234.85	1711.10	1683.09	1888.86	2036.62	1694.43	1775.28	1078.26	926.96	898.95	0.33	0.00	0.57	0.00
ILMN_2715931	LOC100042540	XM_001479038.1	59.20	48.06	59.93	46.35	48.02	67.51	20.00	20.00	20.00	45.78	38.19	43.88	34.61	31.76	34.40	20.00	20.00	20.00	0.83	0.00	0.02	0.00
ILMN_3119014	Elk3	NM_205536.1	2807.66	2824.36	2607.20	2597.74	2734.41	2563.11	1888.40	1714.14	1553.14	2938.03	2635.88	2817.01	2595.07	2655.19	2411.43	1602.77	1574.12	1722.22	0.26	0.00	0.10	0.00
ILMN_2692482	Klhl5	NM_175174	86.88	107.62	74.23	81.37	80.07	93.75	42.95	62.94	39.46	60.18	74.89	68.61	63.49	64.78	81.10	41.86	51.03	42.34	0.69	0.03	0.80	0.01
ILMN_1251583	Chmp6	NM_001085498.1	833.92	813.45	911.55	780.45	778.45	894.47	555.18	474.62	519.67	929.10	1043.37	909.60	867.86	928.25	877.69	548.00	612.32	516.07	0.51	0.00	0.20	0.00
ILMN_2951691	Hist1h3e	NM_178205.1	625.29	662.16	762.39	602.39	641.64	715.27	364.62	318.94	509.03	825.89	884.08	786.47	812.31	849.27	771.80	604.31	518.60	504.56	0.60	0.02	0.59	0.00
ILMN_1244600	2810407C02Rik	NM_001040396.2	545.64	512.35	522.52	538.39	514.40	460.96	376.59	289.99	235.11	575.13	482.30	460.40	530.74	437.75	400.75	378.85	338.52	257.06	0.42	0.01	0.40	0.02
ILMN_2760514	Agps	NM_172666.2	865.10	844.43	838.74	788.52	867.89	781.06	473.05	530.42	535.21	769.48	814.49	920.17	785.76	778.70	720.98	490.11	499.85	507.96	0.27	0.00	0.21	0.00
ILMN_1252063	Cdc25c	NM_009860.2	201.93	176.06	233.39	195.94	168.31	218.39	148.75	86.84	99.35	208.91	267.22	271.81	228.23	216.50	240.74	125.60	144.48	162.72	0.69	0.02	0.39	0.01

ILMN_1225214	Cdkn2d	NM_009878.3	426.21	443.03	299.22	435.75	449.21	250.01	248.15	261.84	215.84	289.23	356.36	364.31	253.98	366.26	359.70	192.15	200.27	182.32	0.89	0.04	0.83	0.00
ILMN_1225182	Cdca3	NM_013538.4	2603.79	2483.63	3128.44	2774.06	2585.09	2438.17	2146.18	1442.66	1485.40	2777.91	3611.18	3610.24	2472.62	3060.49	3304.59	1815.27	2248.17	1847.02	0.56	0.03	0.36	0.01
ILMN_2847144	Hist1h2ak	NM_178183.1	8467.12	9120.30	9153.51	8112.53	9144.34	8234.31	5355.71	4926.05	5099.64	8811.58	12112.32	10194.79	7802.20	11946.54	9532.34	5953.83	6904.42	6261.73	0.35	0.00	0.71	0.02
ILMN_2698443	Efnb1	NM_010110.2	1076.61	1003.31	845.32	979.54	965.31	834.18	354.24	315.65	339.81	812.54	836.13	792.40	740.99	904.20	930.48	376.20	371.17	385.19	0.59	0.00	0.50	0.00
ILMN_2543456	D2Bwg1335e	NM_026828.2	899.03	960.26	960.44	826.35	833.85	1038.91	519.02	373.17	541.37	1065.36	979.96	991.14	1096.83	937.92	920.34	575.85	531.33	562.83	0.61	0.00	0.69	0.00
ILMN_2601471	Ccnd1	NM_007631.1	2181.09	1886.64	2213.68	1977.09	1853.22	2143.01	1067.77	1142.58	1225.38	2616.55	2525.03	2624.41	2288.70	1952.84	1854.27	1560.83	1683.65	1655.97	0.49	0.00	0.01	0.00
ILMN_2836023	Stra13	NM_016665.1	126.12	127.65	100.65	151.66	131.60	69.98	79.22	58.88	50.23	94.20	99.14	109.67	88.50	105.37	128.68	57.78	54.13	87.86	0.99	0.01	0.63	0.04
ILMN_2648967	Arrdc4	NM_001042592.2	1147.30	1143.89	1182.57	1068.39	963.84	1297.66	788.74	646.33	865.78	1371.04	1127.75	1102.02	1022.22	997.90	982.61	828.03	685.14	664.82	0.65	0.00	0.08	0.01
ILMN_2940642	St6galnac2	NM_009180.3	434.43	448.08	392.33	460.62	423.22	337.19	289.39	171.73	160.20	283.13	318.32	278.16	340.94	310.19	280.92	133.54	143.11	139.94	0.68	0.01	0.46	0.00
ILMN_2738893	Ermp1	NM_001081213.1	2440.40	2435.32	2399.89	2535.90	2214.03	2184.22	1168.81	1065.89	1187.18	2173.20	1993.90	1980.00	1899.87	1912.71	1786.89	989.04	926.86	900.67	0.37	0.00	0.07	0.00
ILMN_2914843	Psmb10	NM_013640.1	848.54	851.26	927.03	841.93	792.53	861.85	570.26	406.89	466.06	778.50	970.56	837.93	932.80	1089.78	969.64	518.31	614.78	504.54	0.26	0.00	0.14	0.01
ILMN_1255053	Plk1	NM_011121.3	2142.45	2171.24	2873.29	2069.03	1992.60	2781.76	1569.30	1174.48	1539.31	3012.22	2605.77	2604.98	2730.33	2576.30	2333.72	1779.54	1644.29	1632.90	0.76	0.02	0.34	0.00
ILMN_2952292	0610009D07Rik	NM_025323.2	127.17	108.38	131.20	112.24	108.17	127.71	70.97	73.18	97.57	143.00	111.20	99.16	127.13	113.57	94.15	82.70	66.80	81.39	0.54	0.02	0.72	0.04
ILMN_1224842	LOC385068	XM_358030.1	1454.17	1495.34	1508.16	1392.66	1488.30	1356.05	822.98	668.33	556.48	1374.07	2007.44	1370.47	1450.20	1609.60	1448.86	750.63	565.70	871.91	0.16	0.00	0.73	0.02
ILMN_2634283	Ssbp3	NM_023672.2	504.95	502.26	469.63	490.84	418.63	495.98	253.48	270.10	280.88	521.87	519.68	535.99	461.63	442.91	494.42	252.80	262.48	270.69	0.43	0.00	0.02	0.00
ILMN_1219084	1700052K11Rik	XR_035285.1	110.71	90.64	79.88	110.13	103.39	60.11	53.37	60.50	55.92	81.50	91.67	106.88	75.91	89.05	96.81	54.14	49.51	54.11	0.90	0.02	0.56	0.01
ILMN_1256434	Pigk	NM_025662.4	153.59	137.37	142.14	124.00	137.62	150.02	96.35	81.25	83.78	147.83	108.82	112.33	127.02	114.84	103.46	86.90	53.94	56.41	0.47	0.00	0.61	0.02
ILMN_2480963	Mmp24	NM_010808.3	97.10	69.96	72.59	83.96	73.27	68.41	20.00	20.00	20.34	77.23	67.00	63.47	94.63	85.37	88.47	20.00	20.00	20.00	0.66	0.00	0.01	0.00
ILMN_2645493	Pvrl2	NM_008990.2	360.24	348.70	380.21	314.46	369.06	350.96	195.11	147.80	158.83	305.42	363.72	325.83	319.53	346.24	348.67	165.89	153.82	158.15	0.38	0.00	0.76	0.00
ILMN_3104414	Etfb	NM_026695.2	2756.79	2695.97	3366.12	2341.79	2584.70	3503.48	1611.23	1368.49	2031.18	3216.37	3409.18	3558.44	2585.95	3111.61	3312.97	1833.55	2199.44	1748.32	0.77	0.01	0.18	0.00
ILMN_2694275	Lxn	NM_016753.4	12622.47	12555.87	10685.36	12378.88	12458.47	9304.99	9208.25	8496.15	6200.19	8651.02	10595.94	9610.89	8247.22	9105.57	9179.13	5378.93	5584.12	5703.13	0.66	0.02	0.29	0.00
ILMN_3162354	Plxnd1	NM_026376.3	38.16	38.52	42.19	29.54	34.52	51.54	28.64	20.00	30.13	65.73	64.41	42.80	65.84	45.92	50.53	20.00	33.50	20.00	0.88	0.02	0.73	0.02
ILMN_2500533	Amigo2	NM_178114.3	128.25	107.04	101.91	118.09	110.24	90.36	68.88	59.43	58.98	119.81	87.21	101.75	94.55	82.37	83.84	63.80	59.59	69.98	0.62	0.00	0.19	0.02
ILMN_1234020	scl0002007.1_97		193.65	218.14	167.33	198.56	189.67	157.72	114.07	116.38	106.53	213.77	189.11	169.63	198.48	199.26	187.20	112.76	114.04	139.23	0.60	0.01	0.77	0.01
ILMN_1255496	3110040N11Rik	NM_026077.3	602.14	636.67	683.70	512.19	613.85	698.81	423.00	344.02	432.68	666.83	691.51	685.20	685.11	720.04	711.47	419.80	437.20	349.33	0.61	0.00	0.13	0.00
ILMN_1248740	Sema3f	NM_011349.3	1703.76	1812.99	1836.89	1750.22	1674.23	1620.36	813.34	706.62	1013.35	1837.83	1781.99	1682.67	1616.02	1400.77	1329.98	776.82	726.64	809.88	0.14	0.00	0.03	0.00
ILMN_1223547	Yif1a	NM_026553.3	1194.16	1090.58	1318.82	994.94	999.45	1444.42	701.69	601.51	841.30	1311.07	1213.82	1209.26	1220.43	1258.51	1126.37	780.31	724.44	685.12	0.75	0.01	0.45	0.00
ILMN_1222339	LOC677180	XR_034122.1	266.64	249.64	212.86	240.57	222.30	221.52	157.61	113.34	140.78	252.40	282.17	278.76	243.03	281.89	280.59	138.21	175.11	184.56	0.43	0.01	0.88	0.00
ILMN_2857581	Rars2	NM_181406.2	512.80	500.37	563.37	511.22	482.93	489.53	302.50	310.30	333.08	549.23	556.99	520.39	514.18	567.46	511.66	387.72	350.60	320.64	0.22	0.00	0.63	0.00
ILMN_2722864	Ncam1	NM_010875.3	431.75	403.49	464.51	405.26	381.83	436.33	265.34	241.48	315.87	453.10	355.46	357.91	408.88	359.42	397.85	218.81	232.47	230.55	0.34	0.00	1.00	0.01
ILMN_1257284	Blvra	NM_026678.3	2462.17	2565.75	2838.68	2446.70	2471.51	2470.22	1638.43	1462.50	1726.52	2943.07	2956.70	2879.92	2651.55	2844.59	2935.18	1568.39	1881.47	1980.31	0.23	0.00	0.25	0.00
ILMN_1249003	Gpr155	XM_130346	243.16	225.20	294.61	215.72	244.47	254.78	151.57	127.92	173.92	215.87	251.12	233.27	248.80	209.23	239.06	133.55	124.56	108.51	0.54	0.01	0.95	0.00
ILMN_1243900	LOC626152	XR_032670.1	237.15	242.44	251.49	202.91	221.53	267.79	143.83	106.65	136.93	257.78	233.87	231.20	256.39	214.77	230.66	152.10	110.21	117.94	0.55	0.00	0.66	0.00
ILMN_2658804	Rras	NM_009101.2	1839.82	1715.66	2069.18	1721.16	1739.35	1814.31	1187.22	1099.44	1332.65	1820.23	1753.61	1810.29	1775.61	1709.80	1699.84	1298.62	1130.27	1004.68	0.34	0.01	0.10	0.00
ILMN_1217827	2810002N01Rik	NM_026511.1	426.91	463.52	465.26	386.44	433.53	456.98	257.11	221.14	285.67	533.71	466.96	476.45	546.25	492.10	483.35	296.57	323.04	263.56	0.34	0.00	0.63	0.00
ILMN_2612018	Prokr1	NM_021381.3	130.78	157.22	140.15	136.40	144.67	121.01	67.27	72.51	65.88	130.01	133.80	122.69	133.89	119.01	128.21	90.48	55.14	69.31	0.45	0.00	0.76	0.01
ILMN_1225146	Zfp704	NM_133218.1	282.74	298.79	222.14	261.02	245.09	242.21	154.92	181.55	172.22	251.95	216.87	244.04	268.38	234.75	262.03	151.94	153.15	152.76	0.49	0.02	0.30	0.00
ILMN_2634317	Slc1a3	NM_148938.2	3442.88	3090.63	4150.04	3069.69	2920.77	4056.83	1213.75	1088.54	1581.68	4595.90	3951.45	3724.65	4079.22	3593.13	3255.74	1175.18	1288.08	1178.43	0.68	0.00	0.27	0.00
ILMN_1226200	Sprr2k	NM_011477.3	1306.93	1513.14	1799.36	1170.26	1383.83	1804.38	482.10	416.43	572.75	1032.81	1197.48	960.70	798.76	865.45	792.71	306.38	259.25	214.31	0.73	0.00	0.03	0.00
ILMN_1225123	2610524H06Rik	NM_181075.3	165.11	210.03	231.18	184.60	160.39	222.06	100.38	91.84	116.86	232.67	213.38	189.51	189.17	188.84	209.37	109.20	95.74	104.04	0.65	0.01	0.32	0.00
ILMN_2684874	Fxc1	NM_019502.2	596.15	522.04	646.39	559.55	519.42	567.59	331.31	365.88	375.76	520.18	615.43	611.11	554.47	569.25	638.28	340.22	403.39	379.98	0.37	0.00	0.91	0.00
ILMN_2680533	Gstt1	NM_008185.2	208.02	191.47	190.28	204.67	177.92	169.99	124.64	102.67	118.08	156.31	182.45	172.02	144.10	170.79	163.43	116.23	105.49	102.44	0.36	0.00	0.38	0.00
ILMN_2817714	Tspan17	NM_028841.1	1229.04	1251.63	1683.63	1281.87	1076.31	1531.66	766.44	601.31	818.87	1649.39	1699.61	1746.68	1402.64	1598.03	1486.69	996.33	998.71	892.47	0.67	0.02	0.03	0.00
ILMN_2832219	Cdca3	NM_013538.3	656.10	650.47	698.88	564.99	623.82	689.69	354.45	324.48	285.55	715.81	649.47	659.37	729.07	619.60	655.36	353.14	346.62	316.39	0.34	0.00	0.87	0.00
ILMN_1245615	Ptplad2	NM_025760.3	357.15	319.54	330.17	319.78	343.31	278.65	184.34	187.55	216.81	289.13	260.25	235.05	307.60	221.81	253.24	165.91	173.80	169.97	0.38	0.00	0.99	0.00
ILMN_2991574	1200015N20Rik	NM_024244.3	168.47	238.50	239.96	223.22	173.34	201.84	149.63	120.03	129.14	185.98	208.12	154.12	180.13	188.96	166.50	111.11	101.94	81.03	0.59	0.03	0.82	0.01
ILMN_3105417	Bdnf	NM_001048141.1	846.40	807.76	829.28	769.15	766.91	778.01	378.41	405.90	523.24	908.01	699.21	675.72	695.14	584.92	561.58	439.26	458.02	404.84	0.01	0.00	0.16	0.01
ILMN_1215500	C330023J09Rik	AK082805	55.52	51.13	45.21	40.68	48.17	52.87	20.00	32.57	34.08	44.12	42.88	53.13	60.50	33.91	50.97	22.47	27.60	21.34	0.51	0.02	0.85	0.00
ILMN_2710678	Nfic	NM_008688.2	652.42	740.98	507.86	613.73	597.00	536.59	403.75	357.42	314.17	501.91	591.22	617.12	588.46	539.91	556.57	386.08	307.04	349.13	0.51	0.02	0.83	0.01
ILMN_1222565	A930002H24Rik	XM_001478480.1	90.96	82.31	79.31	72.15	90.77	72.59	45.82	47.80	52.38	60.03	71.28	60.55	50.10	55.85	67.85	41.27	39.19	42.73	0.47	0.00	0.40	0.00
ILMN_1215213	2810407C02Rik	NM_001040396.2	675.26	834.09	815.41	788.15	647.26	717.23	522.20	374.03	460.75	845.30	753.47	692.86	797.07	689.79	608.16	554.53	535.72	408.63	0.42	0.01	0.40	0.01
ILMN_2582933	Tnfrsf6	AK086933	47.91	37.45	33.37	39.28	33.60	36.14	20.00	20.00	20.00	29.11	36.79	37.01	22.48	26.06	43.36	21.69	20.00	22.50	0.52	0.01	0.62	0.01
ILMN_2944870	Klhl5	NM_175174.2	123.02	124.24	92.11	124.21	108.03	83.54	72.97	78.13	65.66	117.09	101.34	117.82	107.13	90.97	89.15	65.16	84.53	74.30	0.65	0.02	0.11	0.01
ILMN_2706562	Evc	NM_021292.1	359.54	391.04	400.67	349.56	364.06	352.30	179.64	211.92	234.74	328.91	273.91	333.66	335.91	304.17	335.01	178.30	171.85	161.52	0.10	0.00	0.59	0.00
ILMN_3120797	Pigk	NM_178016.2	95.10	94.73	112.83	85.51	84.14	112.26	46.70	53.16	51.49	119.32	107.43	109.58	99.07	80.65	86.51	75.74	68.44	53.48	0.56	0.00	0.02	0.00
ILMN_1221429	Mllt11	NM_019914.3	619.37	553.70	710.57	547.68	500.82	702.70	353.26	363.84	506.88	751.15	683.11	715.72	681.95	631.17	664.68	451.74	512.28	408.94	0.59	0.03	0.08	0.00
ILMN_1217117	Cdon	AK040711	765.30	684.46	546.40	653.02	671.23	514.85	528.88	423.42	337.17	565.77	559.52	564.33	451.36	410.59	412.86	285.13	302.32	272.10	0.55	0.05	0.00	0.00
ILMN_2680111	Mrps25	NM_025578.4	165.64	197.09	142.28	162.53	152.85	147.32	102.49	97.15	81.36	164.10	190.21	161.26	170.65	194.11	183.14	113.99	113.01	90.11	0.44	0.01	0.40	0.01
ILMN_1221178	Pdlim2	NM_145978.1	232.97	294.64	306.08	257.53	244.22	262.98	220.14	176.71	121.29	325.56	295.33	244.24	220.90	268.82	230.61	170.86	179.51	194.93	0.38	0.05	0.16	0.01
ILMN_1220996	Ptpn6	NM_001077705.1	57.48	51.47	61.99	48.83	47.11	62.71	41.20	24.87	26.21	80.20	74.30	79.78	71.47	65.67	75.56	55.94	37.79	41.84	0.52	0.01	0.10	0.00
ILMN_1258830	Ppap2a	NM_008247.2	339.96	327.21	379.92	324.85	339.37	301.39	256.98	176.24	237.12	310.28	355.93	360.38	326.64	323.81	299.17	221.39	242.86	189.91	0.23	0.01	0.23	0.01
ILMN_2481113	LOC100046746	XM_001476743.1	42.37	40.62	55.21	30.44	47.14	51.72	20.00	20.00	28.41	53.01	33.98	40.51	58.25	44.06	32.36	20.00	23.54	20.00	0.73	0.01	0.81	0.02
ILMN_2780876	Gpr137	NM_207220.1	99.58	95.43	95.82	73.44	90.75	106.42	57.36	47.45	63.11	99.83	120.91	112.83	98.43	112.03	125.44	64.55	87.88	62.41	0.52	0.00	0.94	0.02
ILMN_2664884	Tspan17	NM_028841.2	204.14	186.07	236.65	155.07	195.56	230.25	92.42	88.31	111.04	296.63	238.32	228.99	256.88	208.94	206.84	168.04	140.81	103.93	0.59	0.00	0.32	0.01
ILMN_1258826	1700007P14Rik		71.56	50.57	69.67	46.74	59.39	69.94	31.05	32.89	34.92	73.88	78.60	54.87	82.42	46.22	53.88	42.69	36.06	40.31	0.61	0.01	0.56	0.02
ILMN_1221953	Hexim2	NM_027658.1	70.80	76.23	108.38	85.83	59.70	87.70	51.45	27.34	34.87	91.34	83.25	88.79	82.79	92.61	72.37	23.52	53.16	33.47	0.64	0.03	0.46	0.00
ILMN_1255363	Fkbp14	NM_153573.1	499.70	456.18	352.72	545.64	442.75	255.53	266.82	273.13	136.18	284.11	414.21	412.65	354.49	413.93	401.88	206.99	217.78	240.55	0.83	0.03	0.69	0.03
ILMN_2850233	Elf3	NM_007921.1	122.24	125.05	103.37	119.99	100.55	100.44	70.10	48.23	42.86	81.31	110.60	106.14	110.53	110.44	98.75	52.61	61.81	55.90	0.35	0.00	0.51	0.01
ILMN_3163288	Egfl7	NM_198725.1	857.23	908.32	909.27	757.76	757.17	940.78	561.33	448.88	586.70	1004.06	919.28	905.77	994.12	849.54	810.84	609.58	587.42	582.52	0.31	0.00	0.41	0.00
ILMN_1248659	1700105P06Rik	XM_129071	114.14	110.57	110.28	103.13	96.53	106.51	73.62	74.31	75.15	107.16	119.58	86.77	99.72	112.80	95.95	66.55	49.18	55.62	0.04	0.00	0.88	0.01
ILMN_3103689	5133400G04Rik	NM_029485.1	267.40	250.55	340.32	234.20	249.20	297.14	115.84	111.58	170.05	293.26	289.27	309.41	319.13	289.65	281.48	165.75	157.40	167.24	0.48	0.01	0.97	0.00
ILMN_1216381	Nfic	NM_026756.2	1928.01	2065.84	1884.08	1872.13	1873.53	1624.47	1239.98	1165.44	1283.08	1572.91	1839.38	1988.16	1459.25	1523.98	1790.70	1009.78	993.46	987.51	0.16	0.00	0.26	0.00
ILMN_1251595	Bhlhb9	NM_198161.1	1277.31	1349.47	1201.89	1239.33	1210.73	1046.84	953.32	793.02	806.71	1118.35	1113.91	1210.22	1037.76	1049.10	1069.74	643.47	625.77	714.44	0.21	0.00	0.04	0.00
ILMN_2725035	Ebpl	NM_026598.2	420.59	390.54	431.15	410.80	366.92	355.65	255.07	202.25	249.15	398.85	360.50	420.01	394.86	352.18	432.99	242.98	208.62	239.84	0.16	0.00	0.99	0.00
ILMN_2883952	1810015A11Rik	NM_026940.1	240.30	202.20	166.00	181.42	178.40	187.59	123.84	125.96	114.58	228.53	187.72	215.61	206.54	198.09	194.51	124.95	140.83	116.24	0.40	0.02	0.43	0.00
ILMN_1231573	Serpinb1a	NM_025429.2	83.37	81.88	69.92	62.34	64.26	89.67	20.00	23.48	52.24	69.98	59.83	71.42	62.48	47.51	50.52	31.80	24.74	20.00	0.55	0.01	0.08	0.00
ILMN_1215120	Sema4a	NM_013658.2	208.76	219.19	273.08	195.61	191.04	250.65	127.48	112.06	142.95	194.76	176.15	178.38	190.25	198.36	183.17	98.07	102.23	79.17	0.49	0.01	0.36	0.00
ILMN_2627895	Etfb	NM_026695.2	2165.92	1951.79	2541.16	1898.74	1826.63	2320.95	1396.09	1157.06	1467.24	2261.72	2485.86	2317.58	2146.52	2432.43	2227.16	1435.14	1531.64	1487.69	0.43	0.01	0.47	0.00
ILMN_2681604	Ccdc23	NM_001038998.1	1098.03	1076.44	1287.86	993.47	1040.43	1101.38	730.31	672.90	793.51	1317.07	1319.71	1319.15	1212.11	1187.00	1311.50	758.80	961.66	836.42	0.22	0.01	0.10	0.00
ILMN_1252149	6.03E+24		103.55	103.05	81.85	93.51	96.30	72.52	62.51	58.43	42.68	87.24	96.30	97.31	83.75	57.76	86.81	45.96	53.74	54.29	0.45	0.01	0.15	0.00
ILMN_1232132	EG667705	XM_001475654.1	55.75	74.27	86.24	50.66	70.20	74.98	20.00	20.52	39.25	61.96	62.39	65.80	58.85	63.78	60.23	20.00	35.24	25.16	0.59	0.01	0.27	0.00
ILMN_2718401	Htra3	NM_030127.1	67.00	54.03	83.68	63.86	41.93	84.35	38.26	28.56	43.16	64.48	67.09	88.94	68.19	62.80	73.81	29.18	40.65	27.63	0.76	0.03	0.57	0.01
ILMN_2689187	Ahdc1	NM_146155.3	379.51	407.12	345.96	359.73	364.49	302.61	212.94	232.80	278.33	275.61	387.19	333.88	284.63	319.66	309.34	190.37	180.98	158.01	0.26	0.01	0.46	0.01
ILMN_2713673	Cmbl	NM_181588.3	99.70	94.10	83.55	101.17	68.56	83.77	63.47	53.02	60.08	76.45	87.47	110.72	109.28	115.07	94.37	46.50	54.65	53.43	0.49	0.00	0.28	0.02
ILMN_2568998	2410005G18Rik	AK044329	111.67	99.67	85.68	65.71	105.21	102.06	53.84	37.54	44.77	90.48	107.57	120.35	93.19	92.50	94.36	52.70	48.35	49.23	0.62	0.00	0.21	0.00
ILMN_2687547	Sdpr	NM_138741.1	2192.43	1932.15	1704.87	2134.43	2079.23	1193.13	1056.17	890.99	590.50	1508.59	1827.65	1696.06	1651.70	1789.14	1573.01	897.42	897.94	903.41	0.70	0.00	0.96	0.00
ILMN_1223552	Fbn1	NM_007993	883.76	832.31	753.91	810.34	798.16	628.13	531.25	450.30	480.87	579.36	624.03	672.16	563.59	644.53	577.94	358.83	423.76	414.02	0.33	0.00	0.46	0.00
ILMN_2771176	Ccl7	NM_013654	3311.35	3572.09	3050.38	3250.68	3262.97	2482.46	1274.49	1863.73	1498.16	2646.63	3612.25	3309.87	2101.94	2868.28	2671.64	1719.21	2220.24	2205.73	0.35	0.00	0.15	0.03
ILMN_2925169	Hist1h3f	NM_013548.2	411.84	404.27	329.65	359.40	433.97	256.30	84.13	120.18	106.22	229.42	405.82	280.07	222.42	455.22	362.03	104.77	97.64	107.88	0.61	0.00	0.65	0.02
ILMN_1243616	Cdkn3	XM_919022.2	2838.79	3033.03	3192.94	2845.02	2768.48	2529.82	1556.30	1460.82	1184.76	2511.87	3043.51	2978.80	2800.73	2760.44	2849.90	1421.74	1431.24	1410.66	0.09	0.00	0.82	0.00
ILMN_3103439	Dnajc19	NM_001026211.1	5016.99	4817.46	4921.88	4526.11	4656.21	4070.28	3066.70	3109.41	2944.54	4275.78	4803.69	5068.01	4260.98	4505.80	4569.99	2671.16	3125.05	3120.09	0.06	0.00	0.34	0.00
ILMN_1222922	2310015A05Rik	XM_984819.1	106.31	80.12	110.07	81.10	86.00	96.50	52.92	42.23	40.74	91.89	102.63	88.03	91.24	97.51	104.92	24.00	50.75	46.95	0.35	0.01	0.56	0.00
ILMN_1217235	9130005N14Rik	NM_026667.2	2777.90	2780.69	1949.36	2380.74	2548.78	1776.36	1839.99	1574.57	1173.79	1726.57	1667.91	1860.71	1725.86	1813.88	1744.39	1419.15	898.93	1038.66	0.50	0.04	0.89	0.02
ILMN_2622255	Ephb2	XM_204072.3	271.41	306.88	304.39	255.71	258.64	274.29	160.47	154.41	130.65	251.53	272.74	300.26	303.35	206.61	223.34	171.68	143.27	141.43	0.07	0.00	0.41	0.00
ILMN_1231309	Ly9	NM_008534.2	48.48	52.17	47.48	40.52	42.37	50.01	24.65	23.62	33.48	52.43	51.88	41.11	37.25	41.48	50.18	33.57	32.76	25.58	0.19	0.00	0.36	0.02
ILMN_1218794	Cand1	XM_125901.8	277.86	272.37	220.97	258.39	253.73	182.22	132.37	145.85	128.54	184.59	265.19	226.08	199.19	199.60	201.36	125.91	126.24	124.78	0.45	0.00	0.34	0.01
ILMN_1250555	Ebpl	NM_026598.2	2259.26	2225.28	2777.95	2095.38	2227.07	2129.70	1754.55	1364.72	1699.75	2797.90	2428.51	2521.07	2620.85	2345.96	2181.78	1876.72	1607.68	1454.51	0.21	0.02	0.30	0.00
ILMN_2751102	Hist1h2ae	NM_178187.3	236.69	294.92	223.92	233.44	257.02	185.03	103.49	78.96	105.80	217.15	218.95	211.35	160.48	266.12	229.15	107.93	116.62	106.40	0.43	0.00	0.93	0.00
ILMN_2609182	2900062L11Rik	NR_003642.1	751.96	763.76	722.87	643.53	793.28	573.47	404.31	390.23	320.38	562.91	576.74	526.51	462.91	557.20	500.89	268.13	218.98	246.78	0.31	0.00	0.20	0.00
ILMN_3022492	Nfic	NM_008688.3	189.09	252.83	236.24	206.03	221.49	174.19	146.07	117.27	99.68	199.49	201.97	204.42	188.82	180.53	187.58	90.00	82.11	95.74	0.34	0.01	0.01	0.00
ILMN_2594009	Fgd1	NM_008001.3	400.03	400.60	399.52	384.26	369.29	316.76	262.86	225.35	212.77	403.94	409.06	441.00	352.31	387.33	431.53	204.26	243.77	241.63	0.10	0.00	0.34	0.00
ILMN_3002505	Abhd8	NM_022419.1	322.04	293.97	374.90	304.55	302.26	269.02	220.51	172.54	233.99	298.36	395.76	385.55	365.52	359.41	366.19	130.20	195.35	163.89	0.22	0.02	0.91	0.01
ILMN_2928720	Nuak1	NM_001004363.1	406.10	393.46	511.32	401.39	387.71	363.61	155.30	198.51	289.86	385.91	376.50	375.44	268.13	291.80	289.70	182.27	222.95	153.68	0.25	0.02	0.00	0.00
ILMN_3030392	5133400G04Rik	NM_029485.1	196.12	178.18	240.20	163.02	165.96	213.87	88.76	103.22	112.64	235.72	229.52	199.10	227.29	217.43	176.03	100.76	114.18	85.45	0.39	0.01	0.49	0.00
ILMN_2546861	2700063P19Rik	AK012483	482.41	532.29	489.70	435.34	458.79	428.25	267.57	331.45	256.79	310.92	418.95	423.31	260.01	277.81	278.32	153.89	172.81	144.43	0.03	0.00	0.04	0.00
ILMN_2896843	Cd248	NM_054042.2	1032.34	1076.47	986.04	942.44	985.46	797.99	418.40	318.02	283.73	762.99	963.58	846.27	873.54	1075.48	945.27	327.99	363.53	329.50	0.12	0.00	0.27	0.00
ILMN_2864913	Hhat	NM_144881.2	130.91	120.89	103.68	127.59	132.05	65.58	97.12	70.66	44.35	98.23	108.18	89.14	78.12	109.41	99.07	45.36	62.27	70.92	0.68	0.05	0.79	0.01
ILMN_1246301	scl0002275.1_1	BC019166.1	56.83	51.03	59.23	47.84	51.44	46.77	26.50	24.55	37.08	51.51	52.36	47.57	53.80	49.20	31.51	36.96	41.35	24.47	0.07	0.00	0.46	0.04
ILMN_2860616	Hist1h3h	NM_178206.2	52.27	55.21	57.99	49.11	64.51	35.31	30.82	20.00	20.00	57.60	73.01	74.57	70.08	69.65	60.89	34.25	32.63	41.45	0.56	0.00	0.82	0.01
ILMN_2714678	Pif1	NM_172453.1	705.05	712.41	764.14	647.32	592.64	667.96	404.50	398.91	461.91	786.06	785.29	765.29	693.65	726.35	796.73	483.96	506.37	537.85	0.04	0.00	0.27	0.00
ILMN_3156246	Cdh3	NM_001037809.1	576.72	535.04	457.48	498.10	531.07	354.74	259.18	211.07	223.03	480.44	503.23	547.63	401.83	427.48	436.97	219.06	247.05	212.65	0.39	0.00	0.02	0.00
ILMN_1254561	Csf1	NM_007778.3	1150.68	1152.19	864.70	1066.51	1190.15	595.47	421.53	562.81	272.36	706.07	1039.10	899.14	589.33	836.87	814.97	409.58	418.81	398.58	0.63	0.01	0.34	0.01
ILMN_2486267	Ube2l6	NM_019949.1	123.94	94.42	123.88	91.95	101.59	102.19	79.42	52.73	55.04	82.51	108.26	111.29	101.43	95.99	83.13	57.34	48.75	48.87	0.21	0.02	0.54	0.01
ILMN_2635631	Sema3f	NM_011349.2	1091.72	1135.77	1196.03	951.70	986.96	1039.35	538.72	408.53	515.25	1109.60	1096.95	1079.86	942.25	925.40	865.80	498.75	489.76	460.88	0.02	0.00	0.00	0.00
ILMN_2533339	LOC234582	XM_150129.3	135.39	160.01	170.30	124.68	137.69	140.25	77.50	87.57	92.70	151.12	177.60	157.39	150.22	156.20	156.87	95.52	105.60	88.95	0.14	0.00	0.41	0.00
ILMN_1218358	Gypc	NM_001048207.1	538.68	551.28	414.36	453.77	486.50	362.43	249.09	228.71	205.48	401.91	467.16	527.58	462.88	520.05	571.61	251.13	307.88	225.60	0.31	0.00	0.33	0.01
ILMN_1228411	A630055I06Rik	AK042066	38.35	48.01	48.37	54.25	53.35	20.00	36.34	31.43	22.11	48.26	61.92	46.25	45.77	56.94	47.01	34.84	34.98	20.98	0.85	0.05	0.73	0.03
ILMN_2658908	Cxcl12	NM_013655.2	18326.95	18497.28	13853.21	15642.06	17578.20	11087.04	9296.02	10740.08	7716.38	12340.85	14328.92	15327.22	12844.18	14107.38	14705.30	8108.67	8763.99	9576.99	0.44	0.01	0.92	0.01
ILMN_2683277	3830406C13Rik	NM_178141.2	537.88	470.36	373.18	519.44	466.95	251.13	263.86	234.84	133.58	319.44	371.62	393.66	338.04	379.35	368.17	173.05	155.09	163.49	0.64	0.02	0.99	0.00
ILMN_2683283	3830406C13Rik	NM_178141.1	749.27	659.09	797.13	646.99	658.87	593.25	364.43	352.60	413.57	723.53	546.89	656.45	597.74	645.61	565.52	347.04	302.63	284.80	0.09	0.00	0.52	0.00
ILMN_2759563	2410008K03Rik	NM_028022.1	103.83	124.27	142.61	112.66	94.35	111.11	86.68	63.13	63.88	158.64	117.90	130.27	130.67	151.76	102.81	103.84	77.90	68.19	0.24	0.02	0.72	0.03
ILMN_2717015	Ccl17	NM_011332.2	213.72	211.09	194.09	204.14	203.96	132.84	100.22	109.09	84.77	187.57	227.02	244.79	165.57	187.79	201.48	100.58	109.02	114.16	0.35	0.00	0.15	0.00
ILMN_2497908	5730409K12Rik		177.26	135.74	180.21	141.07	133.88	144.60	88.75	59.27	46.92	115.10	109.17	109.91	177.10	146.77	148.74	71.81	47.17	40.10	0.17	0.01	0.01	0.00
ILMN_2730410	Mif4gd	NM_027162.3	159.63	145.18	188.25	138.39	120.73	164.03	103.00	79.89	131.89	157.37	162.96	166.16	131.38	140.66	116.67	88.08	104.28	102.51	0.26	0.04	0.01	0.00
ILMN_2777722	Jarid1b	NM_152895	154.48	144.30	131.91	117.47	142.13	110.61	112.35	94.34	76.61	112.15	126.23	129.81	124.78	114.35	119.34	92.64	73.99	72.87	0.16	0.02	0.63	0.01
ILMN_2703267	Nes	NM_016701.3	578.82	490.50	412.08	487.06	460.21	327.72	261.12	314.02	247.97	450.52	444.59	454.65	460.32	442.30	397.94	294.72	283.08	317.30	0.37	0.01	0.43	0.00
ILMN_1223041	Abi3	NM_025659	37.60	27.04	29.00	20.00	20.00	46.12	21.83	20.00	20.00	34.66	32.23	31.88	31.85	31.47	31.62	20.00	20.00	23.21	0.80	0.03	0.22	0.00
ILMN_1259364	Palld	NM_001081390.1	430.00	436.29	511.33	405.10	364.78	404.43	261.49	242.59	344.38	410.46	454.51	473.42	312.93	319.46	322.38	242.61	244.42	222.52	0.08	0.01	0.00	0.00
ILMN_3158250	Cxcl12	NM_001012477.1	3008.28	2950.39	3999.16	2559.00	2627.55	3284.88	1553.07	1623.41	2600.44	3029.20	3275.70	3130.99	3227.40	3267.61	3148.06	1570.69	1716.70	1747.19	0.30	0.04	0.43	0.00
ILMN_1240346	Socs5	NM_019654.2	2112.76	2014.64	1840.09	1737.26	1958.03	1419.77	1204.49	990.24	983.45	1426.52	1597.21	1776.94	1331.86	1515.04	1423.46	1017.10	967.74	967.05	0.18	0.00	0.20	0.00
ILMN_2455397	1110021J02Rik		885.44	877.10	776.02	878.67	843.77	499.77	526.61	495.30	333.14	645.90	943.72	845.47	656.65	877.72	909.64	405.37	502.16	553.32	0.45	0.00	0.98	0.03
ILMN_1259783	Mta3	NM_054082.1	658.02	694.70	759.79	513.36	556.68	745.09	480.19	325.26	497.75	771.46	812.28	767.95	765.06	727.78	755.12	503.69	498.38	375.39	0.27	0.01	0.13	0.00
ILMN_2815594	B230317C12Rik	NM_019833.1	200.17	173.46	244.53	143.50	174.79	207.01	130.27	112.10	155.36	210.10	223.71	205.46	208.21	175.78	194.95	122.83	123.43	116.22	0.33	0.04	0.14	0.00
ILMN_1251668	Mycbp	NM_019660.3	252.60	237.38	139.29	244.31	205.90	101.44	75.58	98.79	23.27	105.08	212.90	154.39	122.74	176.22	164.72	23.56	43.84	64.62	0.67	0.03	0.94	0.03
ILMN_2506727	9430052C07Rik		2099.89	2148.62	1241.30	2019.09	2089.91	807.79	796.79	760.26	385.84	787.30	1429.52	1422.14	713.86	1113.94	980.58	269.95	327.60	382.02	0.73	0.02	0.32	0.01
ILMN_2433480	scl0002775.1_4	BC023366.1	154.33	135.12	124.46	158.33	131.89	75.53	63.48	73.42	36.30	113.65	160.51	130.86	84.10	104.80	119.25	51.67	60.65	63.67	0.57	0.00	0.13	0.01
ILMN_1237264	Trspap1	NM_027925.3	284.65	258.69	279.51	260.24	262.08	179.11	187.45	184.16	145.07	227.94	281.32	312.00	245.17	305.88	271.12	132.31	194.16	199.03	0.23	0.00	0.99	0.04
ILMN_2670001	Cd248	NM_054042.2	32.78	47.07	60.81	30.27	39.63	46.21	20.00	20.00	20.00	59.28	45.56	49.03	61.79	65.70	59.07	20.00	20.00	20.00	0.43	0.03	0.07	0.00
ILMN_2444594	Cdh3	NM_007665	91.44	71.69	81.13	63.43	63.65	77.74	20.00	20.00	32.53	103.29	67.42	74.97	78.82	58.93	62.42	20.00	35.83	20.00	0.15	0.00	0.29	0.01
ILMN_2893926	Tk1	NM_009387.1	285.90	290.80	232.41	216.24	306.28	169.58	153.56	164.75	136.15	184.99	298.13	300.96	234.23	272.23	255.60	113.11	149.64	148.34	0.43	0.00	0.86	0.04

ILMN_2813454	Dnajc15	NM_025384.3	1013.11	960.53	1193.21	890.38	921.33	810.71	671.25	619.77	695.70	1046.03	977.62	1060.23	948.00	1024.68	985.47	696.22	659.01	585.46	0.08	0.01	0.28	0.00
ILMN_3102825	Ncam1	NM_001081445.1	179.40	165.57	173.25	181.51	135.90	117.88	103.10	114.93	51.54	131.65	201.63	177.19	129.49	172.59	170.18	77.36	110.38	108.09	0.23	0.01	0.63	0.04
ILMN_2702464	Flot1	NM_008027.1	55.97	56.26	75.60	43.12	70.20	44.18	21.31	20.57	28.24	61.46	68.28	48.71	28.72	69.21	39.41	20.00	40.45	39.94	0.41	0.00	0.36	0.04
ILMN_2660364	Nudt14	NM_025399.3	159.42	164.08	151.51	120.98	144.35	127.33	109.21	96.27	84.00	135.08	178.43	180.82	149.73	173.86	170.27	100.80	104.15	97.06	0.03	0.00	0.99	0.01
ILMN_2718662	Myl9	XM_977718.2	131.36	104.29	169.99	76.61	118.86	141.42	48.96	28.36	50.60	76.52	96.46	79.63	61.91	77.94	61.85	20.00	30.78	21.73	0.44	0.01	0.11	0.00
ILMN_1237693	2310015A05Rik	XM_148062.3	70.77	91.86	109.41	76.84	62.07	82.40	37.52	40.62	38.33	91.04	81.52	71.77	78.80	90.89	76.02	37.13	47.59	25.12	0.25	0.01	0.95	0.01
ILMN_2717496	LOC100048332	XM_001480027.1	952.78	882.26	617.37	842.91	862.28	392.39	290.34	299.21	166.38	451.21	773.23	851.20	540.52	641.10	712.51	201.25	226.71	257.88	0.56	0.01	0.67	0.02
ILMN_1242814	2610034B18Rik	XM_133556.2	48.25	34.98	42.76	40.55	48.83	20.00	20.00	33.94	20.00	30.60	37.18	33.71	28.52	40.61	35.00	20.00	20.00	23.21	0.59	0.05	0.84	0.00
ILMN_3092653	Palld	NM_001081390.1	1568.63	1497.93	1533.48	1300.34	1194.82	1262.05	847.75	808.44	927.09	1422.32	1413.87	1405.08	1063.80	1039.56	990.89	693.93	743.66	607.39	0.00	0.00	0.00	0.00
ILMN_1246034	Zcchc17	NM_153160.3	1358.58	1359.89	1117.07	1201.24	1352.16	691.18	905.55	835.16	643.61	1035.00	1173.13	1262.72	1019.80	1372.17	1295.56	604.54	793.38	746.99	0.41	0.01	0.60	0.01
ILMN_2462456	9830001H06Rik	XM_283804.7	63.70	54.20	49.75	46.14	43.57	46.19	29.73	29.05	40.21	48.73	36.35	52.36	50.52	41.87	48.76	25.08	31.99	26.02	0.07	0.01	0.83	0.03
ILMN_2748966	Tgfb3	NM_009368.2	321.15	262.51	293.94	210.07	252.21	252.17	142.31	154.22	171.61	296.29	378.22	382.57	240.24	296.43	293.46	140.73	162.43	145.18	0.07	0.00	0.09	0.00
ILMN_2637704	Cdc25c	NM_009860.1	203.35	185.28	286.86	154.44	152.83	246.82	113.68	92.63	149.28	221.95	271.89	277.49	244.09	220.11	237.54	127.29	173.58	185.51	0.41	0.04	0.29	0.02
ILMN_2753792	Stra6	NM_009291.1	82.94	94.65	102.60	67.43	85.15	75.17	27.60	34.72	31.17	94.42	69.14	62.94	79.35	49.31	62.30	28.98	20.00	20.00	0.09	0.00	0.41	0.01
ILMN_1227913	Pmpca	NM_173180.3	42.80	43.52	58.82	30.53	39.68	46.98	20.76	25.70	31.17	37.98	46.56	40.84	36.62	38.97	22.43	28.48	24.01	24.29	0.26	0.02	0.19	0.01
ILMN_1240164	Arhgdig	NM_008113.3	48.09	50.87	63.39	30.20	42.76	60.86	20.00	20.00	20.00	67.35	55.86	77.72	70.29	65.02	44.03	32.57	38.93	29.31	0.40	0.00	0.52	0.01
ILMN_2642147	Pbx3	NM_016768.1	92.85	84.37	112.17	74.14	70.02	85.60	59.02	56.04	64.40	98.21	95.71	82.15	80.45	94.91	88.27	49.37	71.26	63.79	0.10	0.01	0.56	0.02
ILMN_2609505	Lgr6	NM_001033409.3	42.91	34.97	56.60	27.63	34.01	45.57	20.00	20.00	20.00	52.17	35.53	30.49	20.00	28.51	20.00	20.00	20.00	20.00	0.33	0.02	0.08	0.04
ILMN_1242286	Ermp1	NM_001081213.1	89.47	79.66	107.12	84.60	63.08	71.25	44.74	46.67	63.06	76.86	50.22	72.07	73.09	55.11	51.37	34.21	38.39	38.82	0.13	0.01	0.57	0.02
ILMN_3160348	Nol9	NM_028727.1	59.94	55.65	45.50	59.16	45.69	27.58	27.55	31.34	20.00	57.85	44.92	60.38	56.05	61.39	43.78	20.00	35.19	28.52	0.40	0.01	0.93	0.02
ILMN_2589359	Timm22	NM_019818.3	42.95	58.00	35.50	50.73	35.05	23.03	22.75	26.95	20.00	39.01	45.52	47.12	60.72	51.83	30.82	20.00	23.12	28.17	0.43	0.03	0.69	0.00
ILMN_1235808	Sorbs2	NM_172752.3	87.02	78.20	90.70	86.66	64.11	49.88	54.53	41.93	51.74	128.49	93.36	110.12	114.44	62.23	68.08	62.38	46.40	52.82	0.18	0.00	0.21	0.01
ILMN_2764127	LOC100047675	XM_001478658.1	67.41	56.50	72.76	48.90	37.74	66.23	45.73	30.29	24.23	60.14	69.46	63.09	74.70	77.72	46.87	39.83	38.87	45.20	0.20	0.02	0.84	0.00
ILMN_1254393	Klra20	NM_053150.1	108.62	63.06	64.26	84.61	71.91	31.56	28.18	20.00	20.00	48.72	42.52	60.78	45.45	55.02	48.83	20.00	20.00	26.92	0.51	0.02	0.89	0.01
ILMN_1245447	Abcd1	NM_007435.1	151.28	144.07	125.66	131.60	123.79	71.50	91.83	67.71	49.70	97.93	134.55	131.81	83.88	100.93	141.83	58.08	64.76	56.03	0.20	0.01	0.58	0.01
ILMN_2485044	Tubb2a	NM_009450.1	34.68	47.33	27.59	32.66	21.48	27.37	20.00	20.00	20.00	41.75	42.30	47.93	23.98	37.99	55.17	20.00	20.00	24.20	0.23	0.05	0.62	0.00
ILMN_2652458	Myl9	XM_283793.2	39.90	46.90	54.32	49.31	42.11	20.36	20.00	21.52	20.00	30.86	36.49	39.31	29.79	36.15	29.16	20.00	20.00	24.22	0.37	0.00	0.31	0.01
ILMN_2580180	LOC100039514	XM_001473142.1	86.66	60.94	56.88	49.56	49.45	49.41	43.75	39.63	32.04	53.58	53.37	56.49	45.40	48.58	38.82	20.00	22.36	20.33	0.12	0.04	0.03	0.00
ILMN_1245262	LOC100047135	XM_001478025.1	60.59	48.20	69.43	52.09	41.92	36.50	20.00	20.00	26.06	74.37	56.82	51.82	45.81	47.46	41.41	20.00	31.21	20.00	0.11	0.00	0.08	0.01
ILMN_2724294	Gpx7	NM_024198.3	108.03	86.44	116.00	50.57	76.57	109.26	61.80	37.47	62.41	73.06	95.51	87.67	85.20	92.16	71.79	54.09	54.46	54.29	0.27	0.01	0.80	0.01
ILMN_1249634	Mkx	NM_177595.3	131.34	124.11	131.08	130.76	72.94	82.12	76.11	77.72	79.80	137.00	130.97	119.58	120.77	99.64	114.91	98.16	71.51	85.14	0.14	0.00	0.10	0.01
ILMN_2503893	Preb	NM_016703	46.85	42.98	51.36	30.98	32.75	37.34	20.00	20.00	20.00	38.90	45.35	52.47	57.87	55.93	57.71	20.00	28.01	23.99	0.01	0.00	0.04	0.01
ILMN_1229531	Kifc3	NM_010631.2	70.18	45.84	45.68	49.76	48.67	20.00	20.45	21.34	20.39	56.05	65.91	46.30	42.48	42.50	54.68	20.00	20.00	30.67	0.32	0.02	0.24	0.01
ILMN_1213324	BC049349	XM_904244.3	55.66	48.39	33.50	31.45	41.62	20.00	20.00	23.30	22.83	44.77	40.64	46.83	20.00	45.36	39.06	22.29	30.86	28.74	0.18	0.02	0.30	0.01
ILMN_2854920	Mogat2	NM_177448.3	55.35	42.33	59.17	26.17	32.06	44.91	35.18	30.34	37.61	55.56	46.34	58.95	21.13	39.14	50.64	23.17	37.90	23.91	0.08	0.03	0.15	0.01
ILMN_2757617	Il1rl1	NM_010743.1	143.47	155.20	165.86	173.95	182.13	208.16	463.69	631.83	752.51	89.11	105.68	102.69	127.04	115.41	101.83	809.47	550.62	517.68	0.05	0.01	0.15	0.00
ILMN_1217097	Cables1	NM_022021.1	146.12	124.12	134.29	177.28	159.71	150.51	253.29	284.59	291.80	63.88	85.10	57.80	79.36	78.04	75.80	181.61	198.69	160.01	0.05	0.00	0.35	0.00
ILMN_1253504	Ghr	NM_010284.2	838.72	821.31	680.12	921.85	929.69	870.24	1619.41	1670.18	1582.09	459.56	446.16	395.92	423.01	440.21	374.18	808.21	893.20	807.02	0.08	0.00	0.48	0.00
ILMN_2502471	BC023892	XM_994662.1	171.04	163.16	168.14	181.21	180.90	216.82	384.03	358.63	513.10	125.35	99.03	96.95	140.80	129.13	108.88	236.00	255.59	212.99	0.10	0.01	0.22	0.00
ILMN_1250001	4930583H14Rik	NM_026358.2	160.57	142.76	155.95	169.66	146.01	180.91	408.09	341.95	446.53	112.04	88.12	98.56	115.35	94.27	90.61	241.28	221.16	178.18	0.34	0.00	0.96	0.00
ILMN_2742912	Gpr176	NM_201367.2	983.46	954.09	843.15	977.11	965.19	923.60	1722.48	1955.56	1943.56	610.02	523.55	518.77	646.27	606.86	565.24	1623.91	1587.92	1626.93	0.57	0.00	0.22	0.00
ILMN_2468473	B230343A10Rik		387.24	388.76	358.13	375.10	380.60	385.78	692.31	778.54	847.70	250.97	295.41	184.40	297.29	295.52	294.68	552.16	462.43	406.62	0.83	0.00	0.18	0.01
ILMN_2727503	Igfbp3	NM_008343.2	106.97	115.56	125.46	108.58	106.38	136.85	140.68	202.33	216.40	81.42	72.12	65.29	55.64	49.50	57.59	117.69	122.24	103.81	0.91	0.04	0.02	0.00
ILMN_2639972	Ppp1r3b	NM_177741.3	58.36	64.14	59.70	59.07	50.78	73.63	251.51	241.28	331.98	26.08	45.63	44.39	30.10	39.20	38.77	166.31	186.61	126.96	0.95	0.00	0.72	0.00
ILMN_2665301	Dixdc1	NM_178118	75.93	69.83	40.91	80.39	51.24	49.65	264.21	278.71	125.30	28.79	32.91	33.70	20.40	22.98	45.60	94.84	107.38	147.15	0.91	0.03	0.81	0.01
ILMN_2833163	BC064033	NM_173375.1	118.11	68.35	89.23	76.68	109.58	77.69	351.08	472.81	379.36	30.46	53.33	44.30	31.44	51.56	48.77	316.21	321.74	464.35	0.84	0.00	0.90	0.00
ILMN_2742426	LOC100044204	XM_001471696.1	88.98	78.81	109.22	74.47	82.17	109.81	183.06	189.12	317.17	55.89	55.88	68.45	85.00	71.52	71.99	139.00	124.45	106.36	0.81	0.04	0.06	0.00
ILMN_2647694	E130102H24Rik	XM_992447.1	57.63	57.38	52.91	55.23	57.94	44.50	111.63	156.32	169.10	43.02	23.31	25.07	44.42	42.24	44.93	89.53	106.40	103.36	0.48	0.01	0.10	0.00
ILMN_2680968	6820443O06Rik	NM_176945.2	46.62	42.45	38.04	57.42	44.10	23.18	98.11	144.62	93.26	20.00	30.63	33.38	20.00	23.73	34.17	81.50	78.63	103.43	0.94	0.01	0.75	0.00
ILMN_1229318	Pdk1	NM_172665.3	363.76	407.77	303.14	371.37	354.18	255.87	1331.82	1366.37	990.97	212.16	265.04	235.05	183.46	225.59	223.14	875.13	998.10	935.99	0.55	0.00	0.26	0.00
ILMN_2754266	Nr2c1	NM_011629.2	146.19	138.86	110.25	149.28	142.08	69.17	185.07	235.30	184.67	67.90	84.62	100.73	75.03	97.85	102.98	160.93	164.16	172.13	0.70	0.03	0.59	0.00
ILMN_2564872	Ddhd2	XM_983745.1	46.49	58.11	52.64	43.05	56.98	21.30	98.37	104.49	177.20	32.47	31.94	39.75	40.63	51.81	44.12	79.12	89.34	74.71	0.33	0.04	0.06	0.00
ILMN_2668124	Amy2-2	NM_001042711.2	137.81	135.36	142.74	159.94	178.34	205.19	202.33	235.63	201.97	88.86	77.21	69.08	107.73	102.35	83.67	114.31	106.91	108.61	0.03	0.00	0.10	0.01
ILMN_2433990	LOC100048346	XM_001480051.1	200.16	176.12	193.85	167.61	198.14	277.79	319.64	269.71	393.68	160.69	114.74	103.67	127.67	116.73	112.49	152.31	122.59	123.02	0.51	0.02	0.70	0.77
ILMN_1245924	Map3k8	NM_007746.2	130.52	151.98	111.65	120.56	127.00	145.50	180.12	224.63	211.85	74.39	76.65	76.41	107.72	94.59	87.86	88.77	139.05	97.04	0.98	0.01	0.02	0.11
ILMN_1245693	A530020H22Rik	AK079944	37.97	28.28	42.37	39.20	40.90	20.00	74.94	70.75	75.78	20.00	20.00	20.00	20.00	20.00	20.00	41.86	20.00	41.14	0.74	0.00	1.00	0.12
ILMN_2822000	Slc10a6	NM_029415.1	73.16	74.22	67.41	116.76	94.34	80.36	87.64	97.51	129.91	42.13	37.12	33.42	66.30	48.81	44.61	59.86	75.07	56.56	0.08	0.06	0.09	0.01
ILMN_2737685	Mmp13	NM_008607.1	151.33	141.20	165.48	188.16	146.41	230.24	168.57	157.64	177.32	114.03	92.82	84.87	131.77	94.16	111.64	218.32	170.52	141.44	0.23	0.17	0.33	0.03
ILMN_3072427	Il1rn	NM_031167.3	165.98	187.75	175.08	243.00	210.37	175.85	188.76	233.09	233.52	66.92	87.79	57.04	71.69	89.19	66.86	164.06	193.86	178.02	0.18	0.06	0.66	0.00
ILMN_1249220	Col6a3	NM_009935.1	5510.01	6096.06	5163.49	5876.39	6034.48	5412.01	7640.16	8275.44	7890.73	1655.42	1955.11	1694.95	1787.78	1938.71	1758.93	2746.20	2809.31	2641.36	0.61	0.00	0.61	0.00
ILMN_1232600	Rnf125	NM_026301.2	66.22	65.59	64.74	54.93	76.10	71.40	115.69	81.71	96.15	42.50	37.75	44.53	51.27	48.75	48.90	84.03	75.62	63.71	0.78	0.03	0.02	0.01
ILMN_2596346	Dcn	NM_007833.4	1160.73	1117.27	841.80	1174.28	1170.70	824.00	1343.81	1717.91	1232.69	450.24	571.64	484.84	445.33	536.31	589.71	715.65	770.00	815.05	0.92	0.09	0.72	0.00
ILMN_2747959	Dcn	NM_007833.4	2887.19	3083.66	2653.86	3048.33	3198.17	2474.13	3675.89	4304.67	3627.43	1315.04	1739.28	1715.88	1635.54	1712.83	1785.39	2378.27	2324.90	2407.82	0.91	0.02	0.45	0.01
ILMN_1253864	Zc3h8	NM_020594.2	86.10	82.40	74.64	93.82	93.17	58.38	95.69	108.32	82.92	53.79	52.38	54.55	50.09	67.83	62.01	87.48	89.10	83.86	0.95	0.14	0.29	0.00
ILMN_2786125	Zfp758	NM_145484.2	234.94	208.88	149.98	182.17	238.30	152.41	345.27	327.41	225.82	98.46	102.86	141.67	102.37	120.70	139.20	229.19	168.36	231.13	0.85	0.09	0.73	0.02
ILMN_2461898	E130014J05Rik	NM_145989	661.82	620.99	451.01	668.62	661.57	292.15	1420.67	1318.15	632.09	259.23	404.66	383.02	271.94	404.48	332.96	781.44	772.37	1027.35	0.80	0.10	0.84	0.01
ILMN_1244133	Vps37a	NM_033560.3	59.27	41.34	43.87	49.51	56.56	26.04	50.21	41.75	50.71	31.28	28.35	28.81	62.85	39.50	38.51	54.39	42.71	37.87	0.72	0.93	0.09	0.04
ILMN_1241785	Larp2	NM_001040399.1	118.63	80.23	62.12	103.32	89.90	37.20	113.33	139.86	73.39	29.67	37.87	46.07	40.83	38.09	55.27	88.84	73.73	70.78	0.72	0.44	0.39	0.01
ILMN_2859847	Pygl	NM_133198.1	178.25	157.94	152.68	141.53	149.80	113.06	277.41	273.91	175.55	78.02	112.73	106.99	95.76	111.58	105.34	164.47	167.77	154.68	0.11	0.08	0.69	0.01
ILMN_1219335	Igfbp3	NM_008343.2	199.33	210.28	154.41	163.19	178.24	91.66	234.31	323.07	111.69	63.43	95.23	83.71	56.45	82.98	100.49	118.61	130.98	180.31	0.24	0.61	0.96	0.04
ILMN_2655244	Ddb2	NM_028119.4	41.70	49.00	30.53	20.00	39.67	32.34	74.25	73.26	33.82	20.00	24.29	26.23	27.20	50.03	32.04	30.54	47.27	52.70	0.28	0.24	0.15	0.04
ILMN_2747792	6530418L21Rik	NM_175398.3	29.14	41.59	39.25	29.10	20.75	29.69	28.58	41.13	37.74	21.31	24.54	25.32	27.44	33.19	31.77	40.21	53.53	41.35	0.10	0.88	0.03	0.01
ILMN_3034659	Dzip1	NM_025943.2	45.40	41.48	39.87	20.00	37.82	20.00	39.69	50.08	20.00	25.23	23.28	25.97	29.39	22.83	35.97	47.52	44.34	37.79	0.06	0.56	0.30	0.00
ILMN_2591264	Orm2	NM_011016.1	284.30	240.96	197.84	336.86	355.94	297.06	210.28	143.67	179.25	97.86	127.17	126.12	135.16	154.19	150.28	65.85	105.15	83.18	0.04	0.11	0.06	0.10
ILMN_2728473	Serpina3m	NM_009253.1	1628.06	1493.01	1324.94	1759.15	2123.70	1978.76	1411.92	1155.40	1471.80	624.77	969.51	664.29	978.72	1109.12	1012.29	594.77	657.44	605.03	0.03	0.36	0.07	0.29
ILMN_1246800	Serpina3n	NM_009252.2	7859.74	8124.40	7431.30	9170.52	9994.44	9476.83	9193.41	8878.41	9060.66	3404.17	5286.85	3660.08	5771.27	6669.53	5240.71	4524.75	5015.71	4352.46	0.01	0.01	0.07	0.46
ILMN_2437969	Ifi205	NM_172648	225.33	208.78	178.63	255.42	264.04	195.34	209.11	177.11	149.14	90.11	115.96	81.19	102.15	95.42	96.36	101.34	80.16	70.11	0.25	0.31	0.84	0.44
ILMN_2448591	A730017D01Rik		285.54	240.59	339.21	289.21	293.47	422.02	174.98	165.28	266.90	205.71	145.84	129.71	182.11	156.97	131.23	112.05	96.99	66.25	0.42	0.12	0.90	0.06
ILMN_2635229	Thbs2	NM_011581.1	633.74	608.48	684.52	680.07	677.47	856.91	555.10	605.80	802.92	389.93	367.37	356.22	442.06	391.63	392.57	437.97	397.85	382.62	0.21	0.88	0.12	0.14
ILMN_3008068	Scara5	NM_028903.1	145.18	116.12	83.51	121.21	139.81	123.78	105.25	108.46	117.81	54.36	50.05	34.14	55.32	53.88	49.31	44.07	36.24	32.50	0.52	0.82	0.36	0.29
ILMN_2673879	Itih2	NM_010582.2	354.95	356.45	249.89	378.26	447.03	276.79	418.24	373.75	291.17	168.79	200.93	187.29	217.54	192.78	244.95	238.80	195.04	194.19	0.48	0.47	0.14	0.25
ILMN_1215466	Oscar	NM_175632.2	40.03	30.98	43.57	43.11	62.03	29.44	20.00	41.19	36.55	24.15	21.38	20.00	48.40	20.00	20.00	26.32	20.00	28.25	0.55	0.49	0.47	0.34
ILMN_2693339	A730020E08Rik	XM_001475005.1	76.02	84.25	74.04	71.94	89.51	104.47	102.26	99.77	97.52	43.44	55.93	36.76	50.08	49.66	51.90	50.51	53.25	54.43	0.35	0.00	0.41	0.27
ILMN_1251634	Gria3	NM_016886.2	213.72	189.61	147.79	202.59	222.56	187.26	173.50	156.17	175.01	130.93	117.84	114.71	116.02	143.38	145.61	120.73	98.13	97.87	0.40	0.49	0.27	0.16
ILMN_3003130	Rarres2	NM_027852.1	48.48	37.96	32.79	32.98	35.62	72.24	20.00	21.63	38.22	20.00	29.35	20.00	21.59	32.06	37.22	33.40	31.01	20.00	0.62	0.15	0.27	0.39
ILMN_2485323	Trf	NM_133977.2	177.98	171.43	175.52	192.22	158.54	226.21	162.54	109.78	210.42	104.71	95.77	82.42	112.37	116.29	101.21	80.11	88.75	74.69	0.43	0.65	0.12	0.16
ILMN_2642985	Hsd17b11	NM_053262.3	89.54	96.82	80.12	125.16	86.56	81.14	92.76	78.16	75.21	47.94	59.27	59.95	48.32	57.12	91.93	58.04	79.73	74.07	0.58	0.40	0.51	0.12
ILMN_1241496	9030024J15Rik		744.88	723.71	741.85	707.83	736.64	953.22	667.03	681.23	870.40	467.54	504.60	488.71	478.51	449.96	436.28	521.63	525.43	413.34	0.47	0.97	0.12	1.00
ILMN_1212848	Rybp	NM_019743.3	823.15	835.40	761.66	954.99	858.75	793.71	563.40	590.98	642.10	555.20	528.14	525.73	479.84	506.13	456.35	490.06	461.75	396.01	0.30	0.00	0.03	0.04
ILMN_2869082	Spry3	NM_001030293.2	370.67	315.63	312.62	343.14	379.63	348.84	272.10	208.80	226.45	219.10	225.11	218.67	291.66	232.89	252.38	162.61	159.08	148.09	0.33	0.02	0.09	0.00
ILMN_1244213	Sox5	NM_011444.1	88.83	94.05	113.10	94.53	79.35	155.10	48.41	68.12	85.75	57.19	64.55	60.32	66.54	53.27	57.82	43.71	43.87	37.26	0.67	0.08	0.76	0.00
ILMN_2589422	Col6a1	NM_009933.1	455.13	448.74	503.64	542.63	465.82	496.58	365.14	390.22	368.90	273.23	358.10	301.98	360.07	354.81	304.90	295.27	274.72	235.92	0.31	0.01	0.40	0.23
ILMN_2603647	Clec2d	NM_053109.2	1314.79	1370.07	928.41	1428.84	1400.65	995.49	1390.22	1249.13	1189.97	697.67	854.39	808.76	677.15	867.69	795.82	832.32	937.09	881.15	0.74	0.66	0.93	0.16
ILMN_2628178	Socs2	NM_007706.3	980.30	1006.14	862.59	1017.17	1202.05	814.98	650.97	829.10	837.06	484.08	501.53	513.34	708.87	691.35	694.48	622.39	502.80	522.40	0.63	0.08	0.00	0.26
ILMN_1231625	Cyp4f14	NM_022434.1	135.98	159.76	169.80	162.71	134.44	195.70	95.86	105.13	179.43	59.02	81.66	60.24	78.26	73.50	67.69	63.58	62.33	39.92	0.68	0.37	0.48	0.33
ILMN_1216661	Col6a2	NM_146007.1	1348.14	1502.57	1809.95	1389.10	1459.24	2084.51	1322.78	1372.17	1977.93	1052.30	970.96	919.69	1230.29	963.70	1100.74	961.39	979.49	830.95	0.74	0.99	0.24	0.40
ILMN_1257046	C1s	NM_144938.2	67.38	63.90	58.69	72.36	68.52	58.11	67.71	60.17	55.39	23.82	51.03	35.87	51.04	50.45	50.38	42.05	46.99	45.92	0.58	0.64	0.16	0.37
ILMN_2992709	Trem2	NM_031254.2	157.66	163.13	144.85	155.18	149.09	182.50	147.64	150.01	100.52	69.38	48.13	46.56	63.90	61.83	61.32	85.51	37.56	43.61	0.58	0.26	0.36	0.96
ILMN_2526333	LOC381284	XM_355224.1	167.49	188.80	217.14	175.13	178.25	248.72	226.51	203.12	280.66	77.74	88.70	66.77	89.17	84.33	81.81	88.28	63.10	63.34	0.75	0.17	0.33	0.59
ILMN_1225204	Rsad2	NM_021384.3	118.95	115.82	143.60	116.45	120.07	159.95	129.26	120.36	171.22	70.50	68.44	56.48	48.73	67.58	59.13	44.94	55.50	46.17	0.73	0.48	0.39	0.04
ILMN_2643545	Slit3	XM_203363.3	67.08	66.33	55.15	70.04	68.74	56.21	42.36	49.20	64.08	20.00	29.98	20.00	33.80	33.44	27.05	20.00	20.00	23.90	0.73	0.22	0.11	0.60
ILMN_2689207	Col6a3	NM_009935.1	100.42	107.02	99.60	94.26	98.75	124.92	78.49	74.56	93.92	20.16	35.85	20.00	28.13	31.29	30.02	20.00	33.75	25.00	0.73	0.03	0.45	0.90
ILMN_2706677	D330045A20Rik	NM_175326.4	313.26	308.29	240.60	344.78	284.73	248.40	306.70	292.47	282.89	188.59	180.07	199.85	178.29	177.14	218.15	183.00	167.60	186.66	0.89	0.80	0.91	0.27
ILMN_2598402	Parp8	NM_001081009.1	92.29	76.77	66.42	64.96	109.85	69.09	88.27	177.81	33.52	41.72	50.57	56.32	35.22	43.56	81.03	42.02	56.17	62.25	0.87	0.64	0.81	0.62
ILMN_3006587	Greb1	NM_015764.1	113.09	110.97	99.81	96.80	118.94	113.35	71.08	65.37	92.25	20.00	41.82	36.07	37.62	36.14	20.00	20.00	20.00	20.00	0.84	0.03	0.88	0.13
ILMN_2639239	Serpinf1	NM_011340.3	4235.47	4709.29	5142.14	4549.84	4135.37	5651.84	4126.87	3977.30	5163.41	3070.75	2774.77	2489.06	2910.49	2910.71	2633.53	2714.74	2698.41	2413.85	0.88	0.58	0.84	0.43
ILMN_2722616	Krt14	NM_016958.1	830.04	898.40	1114.65	861.81	885.13	1104.22	850.28	786.97	1126.97	703.64	572.21	554.88	546.54	503.56	469.57	824.63	791.37	792.66	0.98	0.86	0.12	0.02
ILMN_2427108	Zfp36l1	NM_007564.4	45.45	51.73	32.79	51.03	58.14	26.31	25.70	51.51	35.54	20.00	27.11	25.98	48.87	20.00	27.11	22.36	20.00	20.00	0.88	0.57	0.44	0.20
ILMN_2867013	Zfp160	NM_145483.1	318.23	330.03	238.60	378.87	345.92	192.30	309.02	302.33	191.19	174.57	182.04	224.11	206.45	227.51	242.42	182.51	201.72	214.34	0.88	0.59	0.16	0.76
ILMN_1229256	Bzrap1	NM_172449.1	115.82	109.44	106.10	105.46	115.18	110.14	104.24	83.90	92.06	58.07	55.58	69.17	75.90	78.97	65.41	57.19	42.73	53.96	0.96	0.06	0.10	0.19
ILMN_1226175	Igf2bp3	NM_023670.2	160.32	160.26	130.74	174.42	144.60	131.67	115.81	117.25	136.31	91.50	75.86	105.54	93.06	80.45	85.12	103.40	92.11	85.56	0.99	0.08	0.64	0.80
ILMN_2759484	C3	NM_009778.1	3772.29	3395.75	3257.57	3603.54	3386.75	3330.30	3045.30	3329.49	3069.23	1556.64	2086.92	1753.22	1685.16	2253.64	1925.24	1734.22	1831.21	1653.88	0.85	0.14	0.53	0.74
ILMN_2433318	Greb1	NM_015764	168.02	173.74	167.76	187.16	160.75	157.90	149.81	181.79	145.92	36.33	71.54	61.36	56.50	43.09	46.03	27.10	46.47	33.45	0.90	0.41	0.52	0.16
ILMN_2958484	Nlrx1	NM_178420.2	50.96	53.01	52.69	55.57	53.15	45.17	57.65	32.40	25.19	26.85	38.88	39.41	48.19	46.37	41.32	20.00	27.00	22.81	0.79	0.23	0.09	0.06
ILMN_3131679	Usp18	NM_011909.1	392.71	379.95	389.68	358.15	370.83	404.89	652.20	440.09	470.83	224.45	243.38	187.63	199.91	204.08	186.12	240.34	229.09	231.00	0.55	0.11	0.28	0.42
ILMN_2695143	Capn6	NM_007603.2	438.34	446.29	430.82	416.37	408.45	458.01	330.30	321.34	438.81	178.36	163.86	144.67	147.76	134.44	136.34	114.99	149.20	116.89	0.53	0.12	0.10	0.08
ILMN_2714360	Cd34	NM_133654.1	1030.97	978.51	733.69	974.20	1073.92	646.04	607.00	874.15	554.04	337.95	657.78	519.17	387.44	533.76	610.97	339.14	460.33	577.13	0.92	0.16	0.96	0.71
ILMN_2941714	Upk3b	NM_175309.3	408.76	388.60	503.06	333.00	394.66	549.80	254.67	325.55	444.84	268.02	238.14	249.33	266.77	221.70	215.28	210.96	198.07	211.70	0.92	0.24	0.40	0.01
ILMN_1254878	Eif4e3	NM_025829.4	357.23	335.18	265.78	340.60	327.28	255.86	276.91	241.28	197.21	211.35	189.88	173.89	193.08	179.43	195.64	184.31	173.64	168.57	0.78	0.09	0.86	0.24
ILMN_2621862	Pdlim5	NM_019808.1	1293.21	1205.30	848.12	1249.36	1178.03	801.87	948.86	962.91	550.12	601.45	729.99	717.30	538.38	678.87	665.94	594.39	647.33	589.98	0.85	0.20	0.41	0.18
ILMN_2611180	Ccdc3	XM_129987.2	593.33	587.98	484.04	575.55	596.56	436.80	462.87	491.19	376.43	196.52	279.89	254.44	224.67	235.70	239.22	191.10	204.07	199.46	0.77	0.09	0.70	0.14
ILMN_2758571	Saa2	NM_011314.1	32.15	29.38	29.90	22.44	24.31	45.18	20.00	20.00	29.39	20.00	20.00	20.00	20.24	20.00	23.07	20.00	21.62	20.21	0.98	0.09	0.33	0.30
ILMN_2686327	Gas6	NM_019521.2	13655.51	13272.35	14776.92	13637.76	13483.66	12681.32	9058.35	10645.15	10419.78	7990.99	8886.48	9076.27	9455.60	8873.62	8466.95	5832.19	5801.18	5765.06	0.31	0.00	0.56	0.00
ILMN_1221153	Dsg2	NM_007883	168.70	162.47	122.31	145.42	156.41	127.14	249.12	239.38	174.86	94.04	100.93	103.74	77.46	98.01	78.47	163.46	124.06	153.84	0.65	0.06	0.11	0.02
ILMN_2601336	Tbx20	NM_194263.1	261.17	255.13	253.27	255.01	254.75	221.51	193.01	180.57	222.40	130.44	141.49	167.60	114.75	123.17	136.20	131.24	136.94	123.13	0.32	0.01	0.16	0.24
ILMN_1224110	Bst2	NM_198095.2	247.07	251.98	203.27	221.93	228.34	211.75	166.81	318.03	112.91	135.48	150.32	158.01	140.43	185.69	219.29	128.13	167.51	150.14	0.45	0.61	0.23	0.96
ILMN_1213448	LOC669658	XM_976371.1	158.31	138.62	95.43	128.98	159.55	85.52	97.20	82.53	71.59	52.84	78.83	83.36	65.41	77.20	102.39	63.84	64.17	67.23	0.84	0.08	0.53	0.53
ILMN_2941712	Upk3b	NM_175309.3	312.77	308.63	323.41	276.09	281.08	337.10	235.36	267.95	293.60	154.43	193.07	181.96	163.96	163.94	181.47	132.64	156.78	163.91	0.45	0.05	0.63	0.16
ILMN_2762944	Ifi27	NM_029803.1	950.00	939.83	544.62	919.07	920.64	470.35	702.92	726.16	451.76	262.83	341.85	308.61	315.50	425.79	383.54	310.79	304.44	313.82	0.85	0.31	0.15	0.83
ILMN_2647563	Snai2	NM_011415.2	5705.38	5673.60	4548.79	5361.88	5561.78	4015.27	4312.91	4905.57	3804.45	2911.98	3299.10	3673.27	2660.05	3005.35	2895.36	2260.62	2728.87	2835.84	0.62	0.12	0.14	0.07
ILMN_1222111	Col15a1	NM_009928.3	95.66	126.80	110.02	112.29	108.18	86.85	59.56	97.37	91.28	51.43	54.23	52.67	24.55	49.12	40.28	38.72	35.74	33.59	0.52	0.13	0.11	0.00
ILMN_2954868	Oasl2	NM_011854.1	1587.32	1621.22	1079.93	1530.02	1536.64	931.64	1375.43	1478.78	942.57	712.32	844.64	838.22	792.77	922.62	946.91	642.18	540.34	562.44	0.73	0.53	0.24	0.02
ILMN_2465683	Zbtb26	NM_199025.2	200.25	184.67	125.09	220.27	199.65	82.04	179.53	208.62	111.76	83.69	85.53	111.38	85.93	96.34	130.59	101.09	61.32	124.64	0.96	0.93	0.54	0.92
ILMN_1241825	Lor	NM_008508.2	397.65	421.51	442.00	364.67	373.03	422.90	350.35	523.90	600.08	294.49	271.55	270.70	219.53	214.44	222.10	307.41	269.87	244.79	0.21	0.40	0.00	0.82
ILMN_1235932	Pdgfra	NM_011058.2	1724.51	1582.00	1381.38	1542.05	1551.25	1207.72	1454.83	1383.77	1148.51	692.71	909.30	870.50	836.60	938.89	1055.66	779.62	725.84	841.30	0.44	0.16	0.26	0.60
ILMN_2708270	Nras	NM_010937	119.17	108.66	73.66	95.43	119.11	64.19	106.18	122.33	59.99	51.04	52.00	63.57	53.47	57.26	62.96	56.44	53.18	95.53	0.74	0.86	0.65	0.42
ILMN_1251206	Yme1l1	NM_013771.4	635.75	631.24	508.50	604.87	565.11	452.75	454.89	583.65	540.36	402.02	346.11	375.43	510.02	393.99	484.99	351.31	305.62	318.37	0.46	0.31	0.08	0.08
ILMN_2655954	Gpam	NM_008149.3	101.89	108.72	99.38	99.45	90.81	92.02	80.19	74.96	74.45	56.45	73.69	65.87	80.86	59.98	50.99	58.36	59.22	58.46	0.08	0.00	0.90	0.25
ILMN_1213935	Akt1	NM_009652.2	29.78	39.31	29.27	31.84	40.35	20.00	29.29	23.26	22.19	20.00	20.00	20.00	20.00	20.00	21.58	32.39	20.00	20.00	0.78	0.12	0.37	0.37
ILMN_2915671	Kcnab1	NM_010597.2	50.49	74.30	62.50	53.22	62.61	52.33	48.08	59.57	49.69	41.23	42.85	31.90	44.70	40.14	25.69	49.13	29.74	32.76	0.45	0.27	0.80	0.84

ILMN_1259564	Iigp2	NM_019440.2	528.07	453.52	468.56	459.71	463.59	386.32	526.41	493.51	480.04	313.55	340.15	287.11	282.90	337.53	301.63	244.98	231.59	202.90	0.24	0.57	0.79	0.01
ILMN_2635968	Mfsd8	NM_028140.4	239.13	217.68	166.34	195.86	202.40	159.00	261.50	237.85	186.72	133.38	130.68	136.81	127.87	142.70	158.50	181.55	138.93	171.57	0.44	0.53	0.36	0.08
ILMN_2979052	Nudt21	NM_026623.3	1668.11	1750.52	1173.46	1514.12	1859.11	877.55	1422.64	1390.06	1031.87	974.41	980.68	1055.81	974.74	1079.55	1286.94	1037.91	880.64	1187.81	0.75	0.32	0.31	0.75
ILMN_2745027	Angpt4	NM_009641.1	69.05	66.99	103.24	64.80	76.22	69.02	71.97	41.17	93.57	26.06	35.89	36.22	22.98	26.44	28.65	25.47	44.35	31.49	0.47	0.60	0.15	0.88
ILMN_1220261	Tspan8	NM_146010.1	150.66	148.09	92.45	128.65	138.53	81.76	107.20	103.45	95.42	39.86	51.87	56.57	59.56	64.02	53.46	60.29	53.69	56.22	0.61	0.22	0.18	0.24
ILMN_2720976	Sema3e	NM_011348.2	278.00	258.71	160.72	262.37	262.36	115.75	232.04	188.75	78.00	85.91	132.38	105.37	103.21	125.08	124.61	105.21	95.04	105.99	0.77	0.32	0.56	0.70
ILMN_1228148	Lamc2	NM_008485.3	90.87	85.77	77.17	72.81	81.09	69.27	88.78	62.47	56.08	61.92	67.94	41.85	59.64	49.11	70.79	69.04	69.96	71.13	0.13	0.22	0.81	0.18
ILMN_2939681	Lyzs	NM_017372.2	98.90	105.34	61.42	106.35	126.28	31.58	76.65	53.46	41.31	35.17	34.74	49.30	36.77	40.02	45.76	22.41	24.09	36.83	0.99	0.14	0.85	0.14
ILMN_2614655	Gpnmb	NM_053110.3	40.68	30.24	43.99	28.50	36.51	34.12	66.34	57.46	43.28	20.00	21.41	20.00	31.17	31.67	20.00	26.29	69.59	59.92	0.33	0.09	0.14	0.07
ILMN_1222865	Atg10	NM_025770.3	108.54	91.39	67.10	97.19	106.73	41.24	83.70	54.65	41.71	58.82	51.10	40.04	66.07	54.48	66.65	55.26	46.21	47.24	0.77	0.17	0.14	0.95
ILMN_2486906	Wisp2	NM_016873.1	674.58	692.05	792.17	612.77	609.84	631.59	684.30	639.50	665.39	359.60	351.63	341.41	456.94	430.81	414.59	331.29	430.05	431.32	0.05	0.22	0.00	0.24
ILMN_2618109	C1qdc1	XM_132976.3	53.15	51.05	53.55	35.50	57.73	44.33	37.13	40.47	56.05	30.03	37.23	35.56	42.04	42.80	42.86	24.31	34.78	30.54	0.36	0.24	0.02	0.30
ILMN_1254210	Samd5	NM_177271.3	38.60	47.80	43.75	28.36	51.83	33.35	31.07	60.33	44.11	20.00	20.31	20.00	20.00	20.00	20.00	30.49	26.14	29.66	0.51	0.85	0.37	0.00
ILMN_2710354	Acta2	NM_007392.2	2889.57	2926.80	2608.09	2521.17	2387.61	2190.85	2484.22	2330.79	1889.90	1790.67	1924.53	1844.00	1540.52	1677.90	1521.73	1757.09	2382.46	2175.44	0.03	0.05	0.01	0.25
ILMN_1225376	Smoc1	NM_022316.1	170.74	179.25	219.31	164.08	142.72	165.55	209.94	172.10	194.99	111.40	144.25	121.53	106.54	110.91	100.07	114.68	149.31	121.41	0.12	0.90	0.12	0.86
ILMN_3143633	Prei4	NM_001042671.1	44.37	46.81	33.52	37.86	52.09	20.00	37.00	70.23	20.00	31.73	28.00	22.32	20.00	28.69	29.73	38.64	20.00	33.65	0.65	0.96	0.78	0.61
ILMN_2684289	Sema3a	NM_009152.2	116.26	70.78	57.32	62.46	78.93	52.87	37.52	42.30	51.68	32.36	28.29	22.82	29.29	35.75	27.68	27.73	20.00	20.00	0.44	0.11	0.45	0.24
ILMN_2490499	4632433K11Rik	NM_029849.2	51.83	54.67	58.96	55.42	54.23	30.46	31.76	37.26	42.67	29.92	34.00	36.72	31.88	38.33	40.16	28.80	36.83	22.56	0.37	0.01	0.37	0.42
ILMN_2893605	Eif4e3	NM_025829.2	143.02	143.37	165.68	118.31	126.65	121.09	81.95	105.52	145.33	93.40	87.48	97.05	101.28	71.36	97.69	59.09	76.56	66.66	0.02	0.12	0.81	0.01
ILMN_2769479	Lama2	NM_008481.2	36.12	35.87	51.04	44.52	37.64	20.00	40.84	25.35	20.74	20.00	22.95	20.00	20.00	33.31	20.55	34.21	29.65	20.00	0.48	0.20	0.46	0.18
ILMN_3138922	Ghr	NM_001048178.1	216.98	208.48	179.85	170.44	180.45	123.78	252.63	310.31	149.62	83.63	105.80	93.04	78.76	81.01	82.39	90.96	115.16	146.52	0.10	0.50	0.11	0.25
ILMN_2710353	Acta2	NM_007392	1700.31	1653.18	1209.79	1367.68	1505.18	745.23	1527.27	1400.73	793.60	766.05	1127.16	1047.51	629.34	898.21	872.66	743.15	1224.65	980.25	0.33	0.37	0.26	0.99
ILMN_1242073	Prdx4	AK014651	46.45	51.39	34.70	47.10	38.69	20.21	53.13	45.01	29.52	20.00	27.11	23.09	27.12	24.66	28.87	29.91	25.55	49.17	0.40	0.86	0.22	0.20
ILMN_1246194	LOC667370	XM_001480084.1	95.91	103.75	61.13	72.04	79.30	47.11	97.57	94.85	49.99	31.20	55.85	46.75	46.32	40.84	48.35	36.71	49.16	33.46	0.27	0.78	0.94	0.61
ILMN_2779858	S100a14	NM_025393.1	35.13	43.88	37.93	45.53	28.20	20.00	26.92	48.38	30.20	20.57	30.70	25.77	23.16	32.47	20.00	25.48	27.29	20.00	0.39	0.62	0.93	0.72
ILMN_1245200	Ifi205	NM_172648.3	94.49	63.79	54.53	95.08	75.62	20.00	60.15	37.16	21.25	20.00	21.07	20.63	20.00	31.10	36.65	39.58	20.00	20.01	0.79	0.13	0.15	0.41
ILMN_1214602	Sfrp2	NM_009144.1	179.48	172.08	86.46	159.54	162.06	43.98	124.32	99.71	47.69	43.76	58.90	52.54	66.09	31.20	47.96	39.14	23.84	40.76	0.65	0.21	0.78	0.07
ILMN_2873750	Gldc	NM_138595.1	42.55	30.20	35.58	24.70	34.54	20.00	37.47	51.76	52.47	20.00	20.00	20.00	20.00	20.00	20.00	28.62	35.33	20.00	0.16	0.14	1.00	0.15
ILMN_2454172	E430013K19Rik		41.54	30.97	32.63	31.85	20.00	20.00	41.38	42.10	50.03	27.04	20.88	21.49	36.46	24.95	21.76	48.72	20.00	37.22	0.10	0.09	0.40	0.23
ILMN_2705276	Api5	NM_007466.2	81.29	62.64	40.80	39.02	78.83	20.00	56.11	65.46	43.40	28.63	21.45	28.30	25.03	26.48	32.82	26.21	27.54	42.19	0.50	0.65	0.59	0.36
ILMN_1226382	LOC381386	XM_355349.1	40.69	43.62	30.12	25.25	31.12	20.00	28.17	31.30	20.00	20.00	22.49	20.00	20.00	20.00	20.00	20.00	24.60	24.94	0.07	0.09	0.37	0.26
ILMN_1257481	Zfp319	NM_024467.3	71.74	44.28	44.61	33.40	51.99	20.00	51.10	52.97	20.00	20.00	20.00	26.38	26.12	22.92	31.16	25.77	29.10	46.02	0.23	0.43	0.22	0.16
ILMN_2751948	Hist2h2aa1	NM_013549	47.39	66.07	45.18	21.12	39.02	39.41	39.40	33.64	64.40	32.59	25.90	32.84	20.00	29.79	27.20	38.61	24.63	46.70	0.09	0.57	0.27	0.42
ILMN_1243826	Plekha4	NM_148927.1	197.89	220.86	236.77	213.76	212.70	263.03	144.05	133.20	173.96	142.58	148.00	126.66	149.42	148.20	123.67	112.21	81.52	60.40	0.60	0.01	0.90	0.03
ILMN_2526875	LOC214403	XM_129490.4	272.98	248.62	167.15	267.88	282.75	157.56	158.63	149.40	120.76	91.54	138.91	126.59	153.23	162.39	136.15	56.62	67.65	58.04	0.90	0.06	0.12	0.02
ILMN_2702444	Csgalnact1	NM_172753.3	371.89	391.26	225.50	359.39	390.30	234.85	185.73	290.04	146.47	136.48	180.72	195.51	145.37	205.67	206.79	83.70	123.14	109.79	0.99	0.15	0.61	0.04
ILMN_1228245	Prickle1	NM_001033217.3	729.52	666.64	531.76	709.69	641.66	533.09	486.08	459.38	355.06	407.05	412.99	365.48	342.21	386.39	359.72	254.61	241.92	242.14	0.86	0.04	0.18	0.00
ILMN_1222734	Aldh1a1	NM_013467.3	1982.56	1977.81	1407.91	1884.63	1804.92	1431.69	1206.05	1297.54	1201.33	799.24	653.43	813.34	900.52	729.96	888.95	431.39	389.09	577.66	0.75	0.05	0.32	0.02
ILMN_2745370	Sult1a1	NM_133670.1	71.43	86.30	66.49	103.02	78.08	132.88	31.73	35.06	48.90	26.93	35.29	28.91	37.32	53.10	39.61	22.84	20.00	20.00	0.15	0.01	0.08	0.02
ILMN_2671165	Krt23	NM_033373.1	36.21	38.62	37.78	46.88	41.10	51.60	20.00	20.80	21.22	20.00	21.37	23.06	29.91	22.47	20.00	20.37	20.00	26.28	0.04	0.00	0.44	0.75
ILMN_1213824	LOC100039742	XM_001473420.1	76.71	66.54	71.09	76.18	91.23	78.07	37.52	48.72	51.76	36.81	28.82	29.62	34.04	34.79	30.26	27.16	20.00	20.00	0.14	0.01	0.68	0.05
ILMN_2663752	Pcdh10	NM_011043.3	128.58	99.96	81.03	139.53	107.77	85.36	35.15	35.94	33.29	34.14	26.63	25.15	30.87	25.28	25.22	20.00	20.00	20.00	0.73	0.01	0.67	0.04
ILMN_2620827	Neto1	NM_144946.3	58.83	63.97	32.46	66.01	54.71	40.34	20.00	20.00	20.00	20.00	20.00	20.00	31.57	22.98	22.65	20.00	20.00	20.00	0.88	0.03	0.12	1.00
ILMN_1228833	Pcdh10	NM_011043.3	65.64	41.95	57.44	50.24	59.22	53.69	20.00	21.59	25.04	22.36	30.97	20.00	22.93	21.67	20.00	20.00	20.00	20.00	0.94	0.01	0.45	0.25
ILMN_2776008	Gstk1	NM_029555.2	104.22	87.47	104.25	97.72	102.82	92.29	64.24	64.98	58.99	46.92	66.92	72.42	77.74	59.29	71.92	33.28	42.65	42.81	0.88	0.00	0.47	0.05
ILMN_2759285	Thsd1	NM_019576.1	121.29	116.40	106.11	106.47	126.54	100.18	70.16	77.92	64.29	60.80	69.09	85.60	68.38	63.67	80.33	58.22	65.46	45.95	0.72	0.00	0.91	0.17
ILMN_3018201	2610109H07Rik	NM_027426.1	39.17	27.05	33.80	30.23	43.20	20.00	20.00	20.00	20.00	20.00	20.00	20.31	20.00	23.29	24.25	20.00	20.00	20.00	0.79	0.02	0.14	0.37
ILMN_2625893	Ces3	NM_053200.2	100.65	93.96	81.67	82.26	95.29	55.86	48.20	43.33	45.65	44.44	63.86	45.10	61.71	57.46	57.61	30.64	46.23	39.57	0.33	0.00	0.30	0.19
ILMN_2715226	Anxa9	NM_023628.2	32.02	45.13	36.27	27.64	32.80	30.45	21.65	22.94	24.72	20.00	20.59	28.17	20.00	25.38	20.00	26.30	22.64	20.00	0.14	0.02	0.74	0.99
ILMN_2569039	B430320O11Rik	AK046715	34.69	27.38	38.50	20.06	45.71	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	0.62	0.01	1.00	1.00
ILMN_2844820	Angptl7	NM_001039554.1	122.67	100.81	63.55	91.49	75.66	49.25	20.00	20.00	20.00	40.73	43.81	20.00	20.00	22.40	25.43	20.00	20.00	20.00	0.33	0.01	0.18	0.12
ILMN_2625428	Trak2	NM_172406.2	43.02	46.16	38.03	41.82	25.45	30.35	20.00	20.00	24.34	24.13	24.41	36.35	24.54	26.60	31.19	25.00	22.83	20.00	0.14	0.00	0.86	0.25
ILMN_1232435	Mmrn1	XM_284198.5	36.14	41.65	31.49	20.53	30.45	25.60	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	0.06	0.01	1.00	1.00
ILMN_2855551	Ctcfl	NM_001081387.1	32.78	48.38	32.56	20.00	42.51	20.00	20.00	20.00	20.00	20.00	20.00	20.00	35.48	20.00	20.00	22.33	20.00	20.00	0.32	0.03	0.37	0.37
ILMN_2592150	Cntnap2	NM_001004357.1	53.18	55.87	44.46	35.33	45.54	25.73	20.00	20.27	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	0.08	0.00	1.00	1.00
ILMN_2753809	Mmp3	NM_010809.1	454.29	497.39	534.54	575.26	523.37	776.72	189.98	159.11	287.89	275.15	290.66	237.98	290.18	303.91	285.09	119.23	114.93	104.37	0.18	0.00	0.20	0.00
ILMN_2613878	Prg2	NM_008920.4	141.47	149.94	197.83	156.21	172.45	274.74	74.05	88.02	117.32	109.04	97.85	86.66	114.37	125.43	114.29	58.79	71.33	62.94	0.41	0.03	0.05	0.01
ILMN_2661289	Csprs	NM_033616.3	126.13	118.91	143.97	171.52	122.63	175.46	56.26	50.31	80.40	53.35	39.24	43.41	70.86	38.95	40.33	33.38	20.00	28.31	0.22	0.00	0.70	0.03
ILMN_2899041	Mmp3	NM_010809.1	1908.75	1635.98	1016.04	1912.64	1890.46	1356.59	619.96	689.83	520.32	520.52	569.39	506.32	638.43	638.07	680.52	244.23	242.07	249.29	0.57	0.03	0.01	0.00
ILMN_1229630	Trim30	NM_009099.2	225.20	221.29	147.73	224.06	245.28	198.92	112.17	119.63	93.49	73.83	78.80	76.37	80.56	79.59	86.17	22.00	23.00	21.87	0.44	0.03	0.08	0.00
ILMN_2704576	Mmp3	NM_010809.1	385.41	332.74	393.56	432.18	328.11	519.25	159.57	129.99	214.96	190.98	201.40	156.53	234.24	207.83	162.39	89.29	78.04	71.28	0.39	0.00	0.50	0.00
ILMN_1254975	Has2	NM_008216.2	229.72	201.76	191.43	237.62	242.91	217.69	56.24	77.04	83.37	117.82	105.52	108.63	101.78	73.66	98.38	49.47	57.80	45.86	0.14	0.00	0.11	0.00
ILMN_2725927	Serpina3g	NM_009251.1	1671.74	1502.40	1418.61	1678.83	1782.86	1539.49	708.69	781.40	882.40	702.99	951.59	709.30	910.09	925.13	815.97	331.85	485.48	469.23	0.25	0.00	0.34	0.02
ILMN_2776603	Ccl9	NM_011338.2	3432.85	3569.13	3184.85	3303.32	3859.06	3817.80	1632.32	1476.14	1728.97	1854.29	2122.14	1916.71	1950.16	1920.43	1753.41	880.98	882.73	680.68	0.28	0.00	0.43	0.00
ILMN_1257724	Adamts9		380.52	390.24	340.87	425.36	400.53	369.70	185.88	179.33	177.71	113.89	139.54	90.09	117.34	130.48	89.98	63.59	59.45	47.32	0.27	0.00	0.92	0.02
ILMN_2739760	Prelp	NM_054077.3	146.64	177.12	135.28	157.65	154.41	162.07	63.80	63.55	76.36	84.27	85.39	78.57	70.23	56.14	70.06	34.78	38.36	32.50	0.71	0.00	0.03	0.00
ILMN_1220583	2610109H07Rik	NM_027426.2	470.58	464.43	527.12	472.15	464.64	561.17	274.41	282.82	341.69	300.25	320.27	266.18	291.13	246.30	214.29	111.24	110.30	98.36	0.76	0.00	0.17	0.00
ILMN_2766604	Camp	NM_009921.1	158.46	152.96	169.69	141.34	156.32	187.07	71.50	48.67	68.01	67.42	109.47	80.44	98.63	118.35	109.82	32.96	53.63	47.92	0.94	0.00	0.17	0.04
ILMN_2918002	Gbp3	NM_018734.2	1040.89	1038.22	816.96	913.42	1073.59	903.33	655.64	640.53	619.90	678.04	583.44	608.97	814.83	639.33	687.97	370.84	343.73	345.75	0.98	0.01	0.20	0.00
ILMN_2726412	Esr1	NM_007956.4	237.51	259.65	155.55	249.91	244.74	157.06	103.54	75.25	58.46	112.27	75.10	108.94	107.24	108.75	101.73	25.95	29.24	39.40	0.99	0.02	0.59	0.01
ILMN_1231445	Inmt	NM_009349.3	587.19	568.82	587.09	554.98	550.23	627.42	350.56	321.20	449.37	219.91	253.28	201.20	223.48	235.91	225.85	137.71	136.46	114.72	0.90	0.01	0.83	0.00
ILMN_1249809	Rgs17	NM_019958.3	541.19	547.74	333.30	556.94	556.90	310.13	194.21	147.59	91.04	186.83	169.66	167.51	225.94	181.66	183.22	53.83	31.40	49.54	1.00	0.01	0.23	0.00
ILMN_2617194	Rarb	NM_011243.1	253.51	271.01	232.90	265.13	255.73	227.36	102.02	104.42	116.04	183.26	136.10	165.80	166.84	134.96	153.54	59.45	49.57	34.25	0.86	0.00	0.58	0.00
ILMN_1227403	Rtn4rl1	NM_177708.5	57.04	77.91	47.35	64.16	71.10	44.16	20.00	35.95	20.00	28.98	39.00	27.72	28.84	27.96	45.83	20.00	20.00	20.00	0.94	0.03	0.75	0.03
ILMN_2659896	Nxph1	NM_008751.2	791.66	624.50	636.54	693.78	638.80	662.11	306.80	186.02	265.02	291.65	279.52	273.51	331.18	249.93	234.56	88.37	49.09	61.34	0.75	0.00	0.77	0.00
ILMN_2990390	Sprr2k	NM_011477.2	5055.26	5495.70	5088.97	4756.99	5171.52	5147.26	1799.08	1632.27	2185.31	3448.47	3504.52	3212.78	2660.92	2575.71	2646.70	1087.66	1089.45	819.38	0.39	0.00	0.00	0.00
ILMN_2886828	Rarb	NM_011243.1	181.96	137.67	139.07	164.12	168.47	112.68	56.82	55.48	36.74	103.89	97.08	88.46	108.82	102.14	98.69	43.05	28.52	31.14	0.86	0.00	0.28	0.00
ILMN_2659426	Cxcl14	NM_019568.1	864.79	888.66	803.86	919.19	842.23	710.38	480.45	420.59	361.28	357.29	492.58	411.19	327.65	360.88	446.39	219.80	221.24	207.41	0.69	0.00	0.47	0.01
ILMN_2760800	Cxcl14	NM_019568.2	1359.78	1442.69	1020.87	1268.87	1361.18	952.20	573.35	693.36	447.32	503.48	658.76	589.93	487.39	590.35	598.76	278.99	300.49	279.10	0.68	0.01	0.68	0.00
ILMN_1219289	Rgs17	NM_019958	518.42	494.09	340.75	482.15	479.53	306.33	186.74	148.22	95.68	173.46	205.01	219.80	244.66	213.70	243.46	65.35	70.47	69.58	0.74	0.01	0.11	0.00
ILMN_1248367	Abat	NM_172961.2	316.35	317.89	252.44	327.74	319.52	190.32	164.14	140.82	144.00	155.67	200.83	184.38	163.05	180.66	153.79	78.29	80.39	83.06	0.76	0.00	0.40	0.00
ILMN_1242466	Psmb9	NM_013585.2	428.50	374.24	317.90	413.33	388.17	246.01	249.74	230.97	127.42	152.22	224.84	210.45	175.86	231.07	227.37	84.82	110.17	118.10	0.71	0.03	0.61	0.02
ILMN_2688966	Col8a2	NM_199473	144.23	164.46	149.53	117.18	171.15	131.58	59.31	58.56	71.02	96.35	73.16	90.15	72.62	57.14	57.57	45.18	25.91	20.00	0.50	0.00	0.05	0.01
ILMN_2859613	Ogn	NM_008760.2	2923.05	3452.71	2531.95	2878.36	2908.61	2160.02	1901.16	1812.14	1600.35	1854.56	1867.01	1476.64	1504.95	1305.95	1482.09	954.30	944.66	889.23	0.43	0.01	0.10	0.00
ILMN_1243652	Tagln	NM_011526.4	111.80	103.81	116.24	91.91	83.88	111.91	20.00	20.00	22.50	49.47	55.36	63.76	49.92	70.67	65.98	23.47	31.43	23.06	0.18	0.00	0.47	0.00
ILMN_1226665	Islr	AB024538	146.81	156.98	147.12	124.65	121.49	92.36	73.49	52.81	57.84	84.47	74.48	72.85	69.26	78.09	73.52	40.96	37.57	20.00	0.03	0.00	0.46	0.00
ILMN_2755424	Bcorl1	NM_178782.4	23.33	20.00	29.96	20.00	23.45	20.00	27.19	20.00	20.00	39.95	37.24	40.40	24.55	30.98	20.00	23.98	35.26	27.44	0.36	0.62	0.01	0.04
ILMN_2661250	Rbm28	NM_026650.1	20.00	20.43	32.94	20.00	20.00	20.00	57.88	50.03	112.01	68.15	44.63	42.62	28.32	31.11	25.10	76.85	109.48	72.50	0.35	0.07	0.05	0.07
ILMN_2618148	C330008K14Rik	XM_128979	31.34	43.41	51.44	54.70	44.62	68.09	150.03	128.56	164.46	70.15	61.89	45.76	35.71	43.13	28.95	128.23	143.08	85.16	0.20	0.00	0.05	0.03
ILMN_1212612	Rcan2	NM_207649.1	54.04	58.19	49.27	70.73	70.88	46.37	132.45	117.34	93.99	50.97	55.01	62.00	27.94	46.75	29.97	84.37	82.12	92.64	0.36	0.01	0.04	0.00
ILMN_3111383	Lonrf1	NM_001081150.1	42.98	42.14	60.79	43.81	67.96	35.36	124.35	166.77	123.07	45.79	45.87	60.10	33.59	31.00	30.27	90.76	150.86	133.02	0.97	0.00	0.02	0.02
ILMN_2570699	D030027P05Rik	AK050870	29.56	46.71	38.33	44.47	37.67	58.64	20.00	43.88	36.24	36.43	43.80	44.92	30.35	24.05	27.43	63.95	49.29	42.75	0.33	0.60	0.01	0.21
ILMN_2696100	Atf7	NM_146065.1	57.51	23.24	31.33	54.85	20.00	38.20	44.44	74.25	71.78	43.01	43.03	42.52	25.73	23.60	27.92	43.22	62.47	48.19	0.98	0.14	0.00	0.22
ILMN_1217875	Mical2	NM_177282.4	112.32	153.57	180.98	110.28	152.16	173.47	145.79	176.27	200.30	184.15	171.71	155.50	110.95	116.46	110.94	206.60	208.39	168.04	0.90	0.38	0.00	0.20
ILMN_1234514	Klhl22	NM_145479.3	92.52	65.15	40.39	68.07	62.99	49.97	84.86	78.15	26.47	55.00	51.72	41.62	20.00	35.71	34.98	24.38	47.35	39.57	0.74	0.91	0.04	0.19
ILMN_2618714	Pdgfb	NM_011057.2	251.29	216.83	266.10	238.85	204.54	246.10	201.44	266.80	302.63	309.31	278.86	281.17	194.56	188.20	192.84	231.62	270.31	199.35	0.49	0.73	0.00	0.07
ILMN_2667300	Ing5	NM_025454.2	20.00	42.33	24.63	20.00	22.65	36.62	48.70	30.49	29.14	37.98	46.27	50.62	22.35	30.55	20.00	46.99	37.80	28.67	0.78	0.49	0.01	0.33
ILMN_2736514	Galntl4	NM_173739.3	148.74	120.34	173.80	88.96	141.42	181.78	110.94	89.66	183.30	183.21	199.50	168.25	129.95	118.86	97.32	129.25	165.60	129.97	0.76	0.58	0.01	0.05
ILMN_2772821	Tspan15	NM_197996.2	38.60	23.01	27.65	33.47	21.91	24.55	23.68	27.35	20.00	40.37	42.59	35.76	20.00	24.31	20.00	52.28	51.01	43.73	0.62	0.30	0.00	0.05
ILMN_2611159	Stard7	NM_139308.1	20.00	26.87	36.76	20.00	22.78	25.81	20.00	20.00	26.00	37.77	39.46	31.99	20.00	20.00	20.00	25.12	28.72	23.53	0.39	0.33	0.00	0.02
ILMN_2600659	Epb4.1l1	NM_013510.3	31.59	33.12	53.58	25.35	20.00	43.35	23.21	20.00	20.00	32.54	34.46	36.82	20.00	23.15	24.42	29.29	24.90	26.52	0.38	0.06	0.00	0.01
ILMN_1242533	Srf	NM_020493.2	35.00	44.86	61.66	39.53	30.12	30.28	27.86	24.65	27.11	32.62	50.11	50.68	25.44	29.25	22.61	42.59	42.20	25.75	0.17	0.06	0.04	0.40
ILMN_2505845	Diras2		52.90	56.48	36.29	56.93	53.96	53.51	69.30	42.07	64.50	65.76	64.79	84.75	47.72	46.75	39.42	48.64	32.79	37.07	0.38	0.39	0.02	0.02
ILMN_2997975	Shox2	NM_013665.1	63.87	73.40	87.98	89.96	63.12	47.15	51.48	36.85	66.08	82.92	83.02	60.75	46.40	55.20	48.28	20.00	57.50	34.88	0.59	0.10	0.03	0.04
ILMN_3037645	Peg10	NM_001040611.1	161.80	141.36	90.62	123.94	123.26	83.50	80.90	57.64	29.74	114.06	143.57	108.11	54.19	96.11	70.73	38.73	27.20	38.15	0.45	0.04	0.04	0.00
ILMN_1228867	A130082M07Rik	XM_975896.1	116.02	109.67	170.10	72.35	93.46	127.98	66.65	61.56	70.74	201.58	144.27	127.15	89.81	93.37	88.17	53.35	59.25	57.75	0.25	0.03	0.04	0.01
ILMN_2735717	Grpr	NM_008177.2	50.49	67.26	49.59	51.46	63.96	45.65	30.84	28.24	20.00	36.04	29.36	37.55	20.00	20.00	20.00	20.00	20.00	20.00	0.80	0.01	0.00	0.00
ILMN_2749198	Sprr2j	NR_003185.1	271.19	294.46	240.36	206.18	257.96	191.00	79.16	44.71	31.92	170.49	130.98	157.95	81.01	94.07	126.09	31.41	20.00	22.85	0.12	0.00	0.04	0.00
ILMN_2681321	Cntnap2	NM_001004357.1	360.85	323.10	307.11	238.57	281.99	237.02	134.50	195.50	185.87	92.11	94.75	104.88	44.79	61.07	59.90	44.79	35.48	34.95	0.02	0.00	0.00	0.00
ILMN_1245549	6330404C01Rik	AK018112	70.96	95.71	88.03	54.57	63.33	76.26	32.19	40.87	56.86	42.43	49.76	56.22	26.93	27.99	20.00	26.68	36.94	24.09	0.10	0.02	0.01	0.02
ILMN_1240671	LOC382058	XM_356133.1	40.60	33.30	42.17	20.00	24.49	20.00	77.58	56.51	44.61	30.12	31.07	23.87	26.01	33.72	36.82	62.94	54.26	61.02	0.01	0.11	0.38	0.00
ILMN_2497673	5830472F04Rik		39.82	36.31	34.41	30.81	20.00	23.74	28.57	36.29	20.00	20.00	33.73	20.00	20.00	30.15	29.24	28.32	34.66	33.59	0.03	0.16	0.75	0.20
ILMN_1225764	Mfsd2	NM_029662.1	86.05	78.27	110.85	52.19	54.19	65.89	56.27	49.70	90.85	126.89	93.60	84.49	93.95	91.42	77.19	119.53	101.71	120.19	0.03	0.18	0.37	0.44
ILMN_1240281	BC037527	NM_172259	41.97	37.46	29.14	20.00	28.05	20.00	36.11	20.00	20.00	22.76	23.80	25.25	20.00	20.00	36.25	20.00	25.65	20.00	0.04	0.17	0.80	0.37
ILMN_1237842	Clk2	NM_007712.2	34.36	39.90	31.99	20.00	25.27	20.92	31.55	53.51	25.66	27.36	36.20	26.96	20.00	22.15	28.12	37.01	46.77	57.68	0.01	0.87	0.16	0.06
ILMN_2940541	Git1	NM_001004144.1	39.53	39.92	52.42	29.31	33.04	20.15	59.88	52.25	76.35	42.84	51.46	52.77	47.51	40.62	51.69	57.09	53.73	49.23	0.04	0.08	0.62	0.33
ILMN_2759266	Rhpn1	NM_008164.1	33.22	34.38	49.16	20.00	23.95	26.20	36.92	26.36	20.12	20.00	39.13	31.65	64.55	32.09	38.39	32.14	20.76	25.93	0.05	0.19	0.27	0.57
ILMN_3063514	Esco1	NM_001081222.1	55.84	57.70	48.57	42.92	28.82	28.18	62.60	62.45	48.88	36.12	42.51	43.15	40.80	54.13	48.79	48.91	61.10	56.58	0.02	0.50	0.18	0.02
ILMN_3073406	Slc16a6	NM_134038.2	44.05	48.96	40.06	25.71	22.10	33.29	22.88	34.93	32.64	43.42	40.38	50.74	46.56	34.15	53.88	22.36	29.63	47.00	0.01	0.03	1.00	0.21
ILMN_1222118	Cep350	XM_129509.9	48.33	30.46	46.28	24.41	27.37	20.85	27.54	31.47	20.00	27.30	37.13	28.61	26.69	44.79	37.74	29.58	20.00	32.36	0.04	0.08	0.43	0.49
ILMN_2815802	Lrsam1	NM_199302.1	31.89	46.30	35.49	21.83	20.80	20.00	33.50	31.24	34.45	22.02	25.11	29.85	20.00	27.20	33.35	20.00	45.34	31.29	0.02	0.34	0.80	0.44
ILMN_2537836	LOC385865	XM_358975.1	46.63	44.04	54.81	26.78	32.08	22.02	34.85	46.59	27.97	37.16	30.68	50.65	20.91	28.50	36.35	44.72	45.86	45.92	0.01	0.13	0.21	0.37
ILMN_1259787	Osr1	NM_011859.2	74.72	45.94	68.09	44.88	26.26	30.99	58.97	37.80	59.15	53.59	52.36	47.72	32.71	43.21	35.21	42.79	49.70	55.27	0.05	0.38	0.02	0.65
ILMN_1255882	2410051C13Rik	AK010703	39.87	39.65	40.04	20.00	23.83	20.00	34.09	24.68	46.69	33.96	29.23	33.77	30.48	25.93	20.00	27.71	20.00	20.56	0.00	0.50	0.11	0.03
ILMN_2665054	Frag1	NM_145583.2	57.58	32.93	53.06	20.00	23.88	29.36	41.31	47.07	20.00	24.59	39.37	58.21	47.06	44.64	28.25	32.23	29.34	22.66	0.04	0.35	0.95	0.28
ILMN_3072009	Ppfibp1	NM_026221.1	49.22	46.05	45.52	25.74	21.65	20.00	34.27	25.92	35.75	56.43	40.73	41.35	31.24	53.35	36.64	37.69	38.39	47.92	0.00	0.01	0.53	0.47
ILMN_1231355	E230029F23Rik	AK087634	35.85	29.06	32.95	22.81	21.85	20.00	20.00	20.00	20.00	25.39	20.00	30.53	20.00	24.22	24.01	20.00	20.00	20.00	0.01	0.00	0.48	0.16
ILMN_2727184	Paqr6	NM_198410.2	41.76	38.30	39.41	20.00	26.63	33.70	20.00	20.00	20.00	38.56	22.03	26.29	37.80	20.00	21.13	27.80	20.00	20.00	0.03	0.00	0.74	0.32
ILMN_1238236	Cul2	AK028589	41.02	32.73	33.21	22.43	24.76	20.00	28.97	20.00	20.00	27.15	28.00	38.04	31.85	24.01	23.57	20.05	40.33	23.38	0.01	0.03	0.36	0.68
ILMN_2935579	Vax2	NM_011912.1	34.46	32.61	29.61	20.00	20.00	20.00	20.00	20.00	20.00	31.87	20.00	20.00	25.33	26.75	24.42	28.33	20.00	23.94	0.00	0.00	0.72	0.98
ILMN_2578798	D030032D21Rik	AK083499	80.56	63.29	62.38	37.96	37.99	27.58	45.67	40.44	48.33	58.06	76.96	61.19	64.93	65.97	56.08	56.94	66.49	55.92	0.01	0.02	0.67	0.45
ILMN_2707782	Afg3l1	NM_054070.2	80.32	64.86	68.40	30.56	56.55	20.56	39.85	49.14	49.90	54.40	78.74	69.10	42.72	55.98	75.53	59.77	56.18	62.96	0.04	0.01	0.48	0.35
ILMN_2655929	Tppp3	NM_026481.2	35.40	32.15	46.04	27.33	25.64	20.97	20.00	24.81	22.09	50.46	34.59	37.52	25.39	32.13	25.95	20.00	20.00	20.00	0.05	0.02	0.07	0.01
ILMN_1220878	LOC667118	XR_035411.1	50.83	33.71	37.36	24.69	23.43	27.12	20.00	20.00	20.00	26.67	38.51	27.59	20.00	39.26	27.17	20.00	20.00	20.00	0.04	0.02	0.77	0.05
ILMN_1213866	Tbc1d9b	NM_029745.2	33.01	47.43	46.89	20.00	20.00	20.00	20.00	20.16	23.35	28.88	39.30	36.00	24.96	39.46	34.38	20.03	20.00	23.23	0.01	0.01	0.75	0.01
ILMN_2829594	Hspa1a	NM_010479.2	28.53	33.94	37.16	20.00	20.00	20.00	20.00	32.62	37.21	20.00	20.00	21.90	20.00	24.43	24.83	51.25	45.09	39.60	0.01	0.60	0.22	0.00
ILMN_1244956	Rbbp6	NM_175023.2	51.06	49.43	37.62	35.27	24.74	28.81	23.87	27.69	28.01	26.58	26.89	27.26	30.99	34.95	50.43	28.61	30.79	33.37	0.03	0.01	0.12	0.04
ILMN_3158937	9630050M13Rik	NM_001081161.1	71.43	67.98	69.54	43.69	43.12	44.50	49.67	47.54	21.40	25.54	60.18	37.85	20.00	41.49	46.27	34.65	46.17	39.02	0.00	0.03	0.71	0.91
ILMN_3060454	Myo1c	NM_001080774.1	86.82	71.30	78.22	43.15	44.26	56.66	43.10	28.58	46.92	46.64	61.85	48.17	61.16	66.97	44.71	57.46	54.88	48.81	0.01	0.01	0.55	0.80
ILMN_1225889	LOC674888	XM_977857.2	40.36	49.81	43.59	21.95	32.57	25.16	32.85	20.00	24.78	29.84	28.49	22.34	33.36	35.85	26.68	20.34	26.31	21.30	0.01	0.02	0.23	0.23

Supplemental Table 2: Frequency distribution of XRE concatemers in the mouse genome (NCBI37/mm9 Assembly).

	G[CGTG]n	[GCGTG]n
n=4	2665	7
n=5	1106	4
n=6	801	3
n=7	569	3
n=8	400	1
n=9	263	1
n=10	168	1
n=11	115	1
n=12	74	1
n=13	36	1
n=14	23	1
n=15	18	1
n=16	12	1

Supplemental Table 3: List of genes with XRE concatemers at proximal promoters.

chr: chromosome of RefSeq gene
txStart: 5' end of RefSeq gene
txEnd: 3' end site of RefSeq gene
strand: sense (+)/antisense(-) orientation of RefSeq gene
dist u TSS: Distance to the nearest XRE concatemer upstream of transcription start site (bp)
dist d TSS: Distance to the nearest XRE concatemer downstream of transcription start site (bp)
N/A: Probes not available on the microarray chips
N/D: Hybridization signals not detected for microarray probes

Accession	chr	txStart	txEnd	strand	dist u TSS	dist d TSS	Gene ID	Microarray
NM_133252	chr1	20991458	21069290	-	1190	5427933	translocating chain-associating membrane protein 2 (Tram2)	N/D
NM_197990	chr1	153731653	153937450	-	209	821105	RIKEN cDNA 1700025G04 gene (1700025G04Rik)	No Change
NM_144796	chr1	184695036	184825785	+	2886	1870043	sushi domain containing 4 (Susd4)	No Change
NM_001109759	chr1	192986462	192988696	-	2526	589381	family with sequence similarity 71, member A (Fam71a)	N/A
NM_001110230	chr2	6460743	7002348	-	1071	441130	CUGBP, Elav-like family member 2 (Celf2)	N/A
NM_001011532	chr2	85924886	85926011	-	480	5886431	olfactory receptor 1037 (Olfr1037)	N/D
NM_177845	chr2	119992147	120071071	-	2014	685127	phospholipase A2, group IVE (Pla2g4e)	N/D
NM_025395	chr2	128955435	128959845	+	2433	2438372	coiled-coil-helix-coiled-coil-helix domain containing 5 (Chchd5)	No Change
NM_172677	chr3	16083182	16117035	+	209	772160	YTH domain family 3 (Ythdf3)	No Change
NM_011996	chr3	138078460	138093856	+	1360	6031486	alcohol dehydrogenase 4 (class II), pi polypeptide (Adh4)	N/D
NM_198416	chr3	152059657	152125790	+	1996	45907	zinc finger, ZZ domain containing 3 (Zzz3)	No Change
NM_011207	chr4	57203712	57314709	-	2923	263407	protein tyrosine phosphatase, non-receptor type 3 (Ptpn3)	N/D
NM_080458	chr4	106156062	106164848	-	726	1746921	Bartter syndrome, infantile, with sensorineural deafness (Barttin)	N/D
NM_146256	chr4	116492511	116494113	-	2303	201391	4-hydroxyphenylpyruvate dioxygenase-like (Hpdl)	N/D
NM_133716	chr4	120640921	120689852	-	785	1422813	stromal membrane-associated GTPase-activating protein 2 (Smap2)	No Change
NM_001164052	chr4	149023278	149037425	-	502	182988	phosphatidylinositol 3-kinase catalytic delta polypeptide (Pik3cd)	No Change
NM_008142	chr4	154865469	154933377	+	312	540607	guanine nucleotide binding protein (G protein), beta 1 (Gnb1)	No Change
NM_178446	chr5	66407795	66542207	-	2927	272166	RNA binding motif protein 47 (Rbm47)	No Change
NM_009141	chr5	91188324	91190651	+	1801	496260	chemokine (C-X-C motif) ligand 5 (Cxcl5)	N/A
NM_008494	chr5	141083294	141091499	+	1336	170347	LFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase (Lfng)	N/A
NM_008428	chr6	142513458	142519876	-	2905	1864499	potassium inwardly-rectifying channel, subfamily J, member 8 (Kcnj8	N/D
NR_003634	chr6	148303177	148304118	+	321	442891	ribosomal protein S4, Y-linked 2 (Rps4y2)	N/D
NM_183405	chr7	4703395	4704696	-	2247	201900	cytochrome c oxidase subunit VIb polypeptide 2 (Cox6b2)	N/D
NM_028708	chr7	146132432	146269875	+	1307	211864	janus kinase and microtubule interacting protein 3 (Jakmip3)	N/A
NM_153108	chr8	19445769	19447606	-	2857	207560	defensin beta 8 (Defb8)	N/D
NM_009868	chr8	106625524	106668402	+	1514	487963	cadherin 5 (Cdh5)	N/D
NM_001024606	chr8	107115367	107120749	+	1880	1323708	RIKEN cDNA 4833426J09 gene (4833426J09Rik)	No Change
NM_176976	chr9	15121357	15162232	-	101	84911	RIKEN cDNA 5830418K08 gene (5830418K08Rik)	N/D
NM_147041	chr10	78497467	78498546	+	1209	1053724	olfactory receptor 57 (Olfr57)	N/D
NM_134249	chr11	46482461	46520606	-	1083	430369	T-cell immunoglobulin and mucin domain containing 2 (Timd2)	N/D
NM_010997	chr11	50840505	50841447	+	155	402178	olfactory receptor 54 (Olfr54)	N/D
NM_028547	chr11	91436599	91438869	-	239	1994169	kinesin family member 2B (Kif2b)	N/D
NM_178802	chr11	115986021	115992442	-	2801	362505	tripartite motif-containing 65 (Trim65)	N/D
NM_028356	chr12	77449886	77470547	-	84	1714227	zinc finger and BTB domain containing 25 (Zbtb25)	N/A
NM_178744	chr12	77471252	77489732	+	621	68693	zinc finger and BTB domain containing 1 (Zbtb1)	Susp' up (AhR dependent)
NR_029880	chr12	110947269	110947335	+	1831	232437	microRNA 379 (Mir379)	N/A
NR_029916	chr12	110948384	110948465	+	2946	231322	microRNA 411 (Mir411)	N/A
NM_009369	chr13	56710963	56740700	+	2870	2080832	transforming growth factor, beta induced (Tgfbi)	No Change
NM_009393	chr14	32021497	32024897	+	2293	154625	troponin C, cardiac/slow skeletal (Tnnc1)	No Change
NM_021514	chr15	97942490	97962879	+	494	543432	phosphofructokinase, muscle (Pfkm)	Susp' down (AhR dependent)
NM_016788	chr16	32644728	32683579	+	2134	2203633	tyrosine kinase, non-receptor, 2 (Tnk2)	No Change
NM_001101038	chr18	78240352	78254007	-	1068	511335	sialic acid binding Ig-like lectin 15 (Siglec15)	N/A
NM_001081131	chr2	5819105	5863838	-	525592	2771	dehydrogenase E1 and transketolase domain containing 1 (Dhtkd1)	No Change
NM_009963	chr2	92243803	92274226	-	743822	2864	cryptochrome 2 (photolyase-like) (Cry2)	Susp' up (AhR dependent)
NM_178892	**chr3**	**65332368**	**65359440**	**+**	**546678**	**1177**	**TCDD-inducible poly(ADP-ribose) polymerase (Tiparp)**	**Susp'& YH439 up (AhR dependent)**
NM_026328	chr3	98026078	98040671	+	1720552	258	regenerating islet-derived family, member 4 (Reg4)	N/D
NM_172468	chr4	59818521	59917612	+	128795	2349	sorting nexin family member 30 (Snx30)	Susp' up (AhR dependent)
NM_133201	chr4	147247703	147278928	-	1575501	2463	mitofusin 2 (Mfn2)	No Change
NM_178394	chr5	37442095	37516537	+	1406930	1713	janus kinase and microtubule interacting protein 1 (Jakmip1)	N/D
NM_175432	chr5	127722195	128046160	+	1040397	1766	transmembrane protein 132C (Tmem132c)	N/A
NM_021528	chr5	140981562	141001192	+	503154	2539	carbohydrate sulfotransferase 12 (Chst12)	Susp' down (Non specific)
NM_030022	chr5	141039142	141041021	-	40937	2369	galectin-related inter-fiber protein (Grifin)	N/D
NM_023626	chr6	21899614	21926037	+	4482337	346	inhibitor of growth family, member 3 (Ing3)	Susp' up (Non specific)
NM_010338	chr6	25618522	25639980	-	2512708	2096	G protein-coupled receptor 37 (Gpr37)	N/D
NM_009695	chr7	20256927	20262213	-	102657	2887	apolipoprotein C-II (Apoc2)	N/D
NM_031394	chr7	97497208	97558949	+	961538	1682	synaptotagmin-like 2 (Sytl2)	N/D
NM_010248	chr7	104230260	104457461	+	4154419	1735	growth factor receptor bound protein 2-associated protein 2 (Gab2)	N/D
NM_001170913	chr7	116592514	116637252	-	765387	2265	tripartite motif-containing 66 (Trim66)	N/A
NM_001025351	chr8	19239915	19242143	+	256782	127	defensin beta 46 (Defb46)	N/D
NR_029740	chr8	86732416	86732491	+	1524581	1715	microRNA 23a (Mir23a)	N/A
NR_029746	chr8	86732570	86732657	+	1524735	1561	microRNA 27a (Mir27a)	N/A
NR_029741	chr8	86732713	86732819	+	1524878	1418	microRNA 24-2 (Mir24-2)	N/A
NM_172766	chr9	31193776	31228916	+	95968	1960	nuclear factor related to kappa B binding protein (Nfrkb)	No Change
NM_001034863	chr9	42916735	42924653	-	144468	2222	transmembrane protein 136 (Tmem136)	N/D
NM_007962	chr9	44850426	44862126	+	43952	2144	myelin protein zero-like 2 (Mpzl2)	N/D
NM_019713	chr9	107456986	107464591	+	1171772	51	Ras association (RalGDS/AF-6) domain family member 1 (Rassf1)	No Change
NM_028873	chr10	128242731	128256502	+	387030	2884	DnaJ (Hsp40) homolog, subfamily C, member 14 (Dnajc14)	Susp' down (Non specific)
NM_021283	chr11	53425964	53432167	-	618839	2858	interleukin 4 (Il4)	N/D
NM_027204	chr11	120345982	120350068	+	2403256	2791	mitochondrial ribosomal protein L12 (Mrpl12)	No Change
NM_172263	chr13	95794060	96020259	-	1849286	1312	phosphodiesterase 8B (Pde8b)	N/D
NM_022656	chr14	31984113	32020012	-	156110	808	nischarin (Nisch)	Susp' up (Non specific)
NM_145478	chr15	88692623	88696156	+	106151	1607	proviral integration site 3 (Pim3)	No Change
NM_010671	chr16	88750989	88751873	-	1259564	1328	keratin associated protein 13 (Krtap13)	N/D
NM_146087	chr18	61715235	61747953	+	4208132	390	casein kinase 1, alpha 1 (Csnk1a1)	No Change
NM_053261	chr18	67448876	67478495	+	2096213	2372	inositol (myo)-1(or 4)-monophosphatase 2 (Impa2)	No Change
NM_144871	chr19	3767420	3818302	+	NA	1297	suppressor of variegation 4-20 homolog 1 (Drosophila) (Suv420h1)	Susp' up (Non specific)
NM_194063	chrX	34789913	34798971	+	1315344	1379	reproductive homeobox 3A (Rhox3a)	N/D
NM_133690	chrX	35669443	35689890	+	878147	813	ATPase, (Na+)/K+ transporting, beta 4 polypeptide (Atp1b4)	N/D

Supplemental Table 4: List of qRT-PCR primers.

Target Name	Primer sequence	Primer Efficiency	Amplicon size
mHPRT	5’ AGTCCCAGCGTCGTGATTAGC 3’	88.5%	85bp
	5’ CCAAATCCTCGGCATAATG 3’		
mAhR	5’ CTTGTTACAGGCGCTGAATG 3’	91.7%	99bp
	5’ TGCTGAAAGCCCAGGTAATC 3’		
mCyp1a1	5’ ACCTCTTTGGAGCTGGGTTT 3’	91.1%	165bp
	5’ GATAGGGCAGCTGAGGTCTG 3’		
mCyp1b1	5’ TTGACCCCATAGGAAACTGC 3’	95.6%	113bp
	5’ GCTGTCTCTTGGTAGGAGGA 3’		
mNqo1	5’ TTTCTGTGGCTTCCAGGTCT 3’	98.0%	90bp
	5’ CATCCTTCCAGGATCTGCAT 3’		
mTiParp	5’ ATCCAAGTGCCTGTTTCTGC 3’	100.0%	180bp
	5’ GTCACGGCCAGACATTTTTC 3’		
mSpint1 (HAI-1)	5’ CGCTGGTATTACAACCCATTC 3’	94.0%	132bp
	5’ CACATCCTTCTTGGAGATGC 3’		
mSerpinb2 (Pai2)	5’ CCATGGAGCATCTCATCAAC 3’	100.0%	159bp
	5’ TCTCTGGGTTTCTTGTGGTG 3’		
mArl6ip5 (GTRAP3-18)	5’ GTCTTTGTGTTCGGCATCAC 3’	100.0%	79bp
	5’ TGTTCTTGAGGTTGCGAAGTC 3’		
mCldnd1	5’ TGGCATTCTCCATCTCCTTG 3’	96.3%	130bp
	5’ GAAGGACCATCCAAATTCTCC 3’		
mPor	5’ TGAAGAAAACGGGAAGGAAC 3’	88.1%	150bp
	5’ TCAGGTCGGCCAAGTCATAC 3’		
mMical2	5’ ATGACAGCCAAGAAGCAGAG 3’	100.0%	149bp
	5’ TGGTAGTTGGTGGCAAAGTC 3’		
mLrp8 (ApoER2)	5’ CCCTCAAGGAGCTTTTTGTC 3’	100.0%	115bp
	5’ AGACTTAATGCCACTCGCTTG 3’		
mGanc	5’ TTTCTGCTGACAGGACCTACAC 3’	100.0%	130bp
	5’ CCTGTTCATCTTCATAGTTCCAG 3’		
4931440P22Rik	5’ CTATGCGCGTGTTTTGCAG 3’	100.0%	118bp
	5’ TCTGGGTGATGAAGGTCGTAG 3’		
hPolR2A	5’ GAGAGTCCAGTTCGGAGTCCT 3’	83.0%	90bp
	5’ CCCTCAGTCGTCTCTGGGTA 3’		
hAhR	5’ AGCGCCAACATCACCTACGCC 3’	90.8%	149bp
	5’ AGCAGGCTAGCCAAACGGTCC 3’		
hCyp1A1	5’ CACATGCTGACCCTGGGAAAG 3’	88.5%	95bp
	5’ GGTGTGGAGCCAATTCGGATC 3’		
hTiParp	5’ TGATTCTCAGGAGCACTTGG 3’	90.7%	149bp
	5’ TGGACAGCCTTCGTAGTTGG 3’		

Supplemental Table 5: ChIP PCR primer sequences.

Target	Primer sequence
mSpint1 intron Ctl	5’ CTCGATGATGGAGGCAAAAT 3’
	5’ TTCCAGAAGACTGGGGACAG 3’
mCyp1a1 (-768 to -996)	5’ AGGCTCTTCTCACGCAACTC 3’
	5’ GCGGGTGCAGAGCTATCTAA 3’
mCyp1b1 (-832 to -976)	5’ GTCAGGTGTCGTGAGAAACG 3’
	5’ GGCTCTGTACGCCAACAAAC 3’
mTiParp intronic XRE set1	5’ GAGTTTCCGAGTTTGGTGGA 3’
	5’ CGTATCTAACCCGCCTGTG 3’
mTiParp intronic XRE set2	5’ CACTCCACTCCTCTGCTTCC 3’
	5’ CCTCCTATCACACCAATCCAG 3’
mSerpinb2 (-22019 to -22173)	5’ ACAAATGCCCATGTGGACTC 3’
	5’ GGCTTACTCTGGGAAACAACC 3’