

Appendix

Gene	ID	logFC	t	P.Value	adj.P.Val	B	Fold change
AKR1B10	206561_s_at	6.169	14	5.03E-18	2.75E-13	29.64	71.944475
AKR1C3	209160_at	5.244	5.2	4.62E-06	0.252422	4.066	37.8991975
PRG1	201858_s_at	4.473	5	7.34E-06	0.400872	3.629	22.2090766
PDK4	225207_at	4.168	9.6	1.00E-12	5.49E-08	18.52	17.9776393
PLA2G4A	210145_at	3.946	5.6	1.14E-06	0.062511	5.385	15.4100761
OAS1	205552_s_at	3.812	9.9	4.38E-13	2.39E-08	19.29	14.046708
AKR1C2	1562102_at	3.67	5.4	2.43E-06	0.132549	4.674	12.7273635
CNTN1	227209_at	3.563	8.2	1.42E-10	7.78E-06	13.89	11.8190925
AKR1C1	216594_x_at	3.411	4.9	1.15E-05	0.627828	3.206	10.6356285
ALDH3A1	205623_at	3.4	5	8.51E-06	0.464783	3.489	10.5542625
NTS	206291_at	3.393	5.4	2.39E-06	0.130772	4.687	10.5029746
NRCAM	204105_s_at	3.355	8.5	4.35E-11	2.38E-06	15	10.2343796
CXCL1	204470_at	3.208	6	2.95E-07	0.016135	6.668	9.24155384
S100A4	203186_s_at	3.127	4.3	9.40E-05	1	1.231	8.73818478
TESC	218872_at	3.063	13	4.42E-17	2.41E-12	27.7	8.35886087
CA12	214164_x_at	2.833	8.6	2.85E-11	1.56E-06	15.4	7.12720774
SNF1LK	208078_s_at	2.815	5.7	6.71E-07	0.036637	5.891	7.03850069
LXN	218729_at	2.774	4.5	5.23E-05	1	1.781	6.84138568
NR0B1	206645_s_at	2.739	6.6	2.99E-08	0.001634	8.836	6.67585534
DNAJC12	223721_s_at	2.729	5.6	1.17E-06	0.064117	5.361	6.6322299
CD55	1555950_a_at	2.719	4.2	0.0001218	1	0.988	6.58609736
F2RL2	230147_at	2.71	9.1	5.23E-12	2.86E-07	16.98	6.54321232
IGFBP3	210095_s_at	2.704	4	0.0001964	1	0.542	6.51823529
KLF4	221841_s_at	2.639	4	0.0002266	1	0.409	6.22764963
RGS2	202388_at	2.618	6.5	4.25E-08	0.002319	8.505	6.13865462
SERPINB1	213572_s_at	2.605	5.3	3.34E-06	0.182507	4.372	6.08289755
CPLX2	225815_at	2.593	7.8	5.88E-10	3.21E-05	12.55	6.03530148
CYP4F11	206153_at	2.578	3.9	0.0002643	1	0.266	5.96931539
PAK3	214078_at	2.558	4.4	5.55E-05	1	1.725	5.88916923
GCLM	236140_at	2.55	7.6	9.45E-10	5.16E-05	12.1	5.85646108
GPX2	202831_at	2.524	4.1	0.000176	1	0.644	5.75183462
CP	227253_at	2.511	5.7	8.22E-07	0.04489	5.699	5.69992791
TSPAN7	202242_at	2.486	5.7	7.36E-07	0.040198	5.803	5.60348395
ABCG1	204567_s_at	2.476	4.2	0.000106	1	1.118	5.562526
DKFZP686A01247	212325_at	2.469	4	0.0002527	1	0.307	5.53687056
RSPO3	228186_s_at	2.454	4.6	3.08E-05	1	2.276	5.48105624
SLC7A11	217678_at	2.44	4.9	1.38E-05	0.754695	3.032	5.427377
CSTA	204971_at	2.44	4.3	8.12E-05	1	1.367	5.42501127
MGC34646	225008_at	2.414	5.1	5.89E-06	0.321807	3.836	5.33002368
SLC27A2	205768_s_at	2.354	4.3	7.89E-05	1	1.395	5.11261083
PDE1C	239218_at	2.353	4.1	0.000149	1	0.8	5.10988728
RFK	203225_s_at	2.343	13	7.64E-17	4.17E-12	27.21	5.07283259
SCARA5	229839_at	2.271	4.6	2.85E-05	1	2.351	4.82644482
PAQR5	242871_at	2.265	4.8	1.40E-05	0.764003	3.021	4.80635344
SOX7	228698_at	2.236	5.5	1.34E-06	0.072956	5.239	4.70959447

GDA	224209_s_at	2.207	4.3	8.56E-05	1	1.318	4.61755245
SLC7A2	225516_at	2.133	5.1	5.67E-06	0.309472	3.873	4.38756385
FRMD4B	213056_at	2.069	4.4	5.75E-05	1	1.692	4.19685266
GPR133	232267_at	2.055	4.1	0.0001879	1	0.583	4.15621123
PTGS2	1554997_a_at	2.017	5.1	6.82E-06	0.372405	3.698	4.0473447
CCDC68	220180_at	2.004	5.4	2.16E-06	0.118182	4.783	4.01041195
ASB9	205673_s_at	2.002	5.9	3.32E-07	0.018126	6.557	4.00477736
SERPINE2	212190_at	1.999	4.1	0.0001661	1	0.698	3.99664845
PELI2	219132_at	1.98	5.9	3.57E-07	0.019477	6.489	3.94467148
DEFB1	210397_at	1.978	6.8	1.60E-08	0.000876	9.426	3.93992356
GLCE	213552_at	1.973	6.3	8.97E-08	0.004898	7.797	3.92515254
TM4SF4	209937_at	1.96	4.5	3.79E-05	1	2.083	3.89063044
ABCC3	208161_s_at	1.937	5.1	6.47E-06	0.353373	3.748	3.83032829
FLJ33297	1569378_at	1.934	5.4	2.26E-06	0.123264	4.743	3.82187627
ASPH	205808_at	1.908	5.8	5.99E-07	0.032702	5.999	3.75364835
PIR	207469_s_at	1.876	5.3	2.68E-06	0.1461	4.582	3.67169943
TM4SF20	220639_at	1.876	4.2	0.0001037	1	1.139	3.66936472
SRXN1	225252_at	1.849	5.7	8.82E-07	0.048157	5.632	3.60245582
FZD10	219764_at	1.847	4.2	0.0001359	1	0.886	3.59843252
HAL	206643_at	1.843	6.7	2.11E-08	0.001153	9.166	3.58804737
SLC12A2	204404_at	1.823	6.7	2.56E-08	0.001397	8.985	3.5378875
UGDH	203343_at	1.821	5.5	1.51E-06	0.082621	5.121	3.53241256
HTRA1	201185_at	1.812	5.5	1.32E-06	0.071919	5.253	3.51109696
TNFAIP2	202510_s_at	1.808	4.7	2.30E-05	1	2.551	3.50226541
ITPR1	203710_at	1.805	6.4	7.31E-08	0.003991	7.991	3.49492542
RAPGEF4	205651_x_at	1.764	4.1	0.0001829	1	0.609	3.39597624
SLC4A11	223748_at	1.717	5.1	6.60E-06	0.360621	3.729	3.28799087
NUP62CL	220520_s_at	1.708	3.9	0.0002802	1	0.211	3.26813476
PCSK5	205560_at	1.699	7.1	6.67E-09	0.000364	10.26	3.24595601
FAM55C	235030_at	1.674	4.4	7.11E-05	1	1.492	3.19015894
MGST2	204168_at	1.664	4.6	3.38E-05	1	2.191	3.16862755
KCNE4	1552507_at	1.659	4.2	0.000134	1	0.899	3.15838565
GRAMD1B	212906_at	1.644	7.6	1.06E-09	5.81E-05	11.99	3.12472664
ST8SIA4	242943_at	1.637	7.6	9.03E-10	4.93E-05	12.15	3.10987774
HHEX	204689_at	1.63	5.9	3.53E-07	0.019281	6.499	3.09451297
ABCB6	203192_at	1.603	6.9	1.06E-08	0.000581	9.814	3.03858858
RP5-875H10.1	242626_at	1.597	7.5	1.51E-09	8.23E-05	11.66	3.02588349
FLJ32549	1554067_at	1.584	7.4	2.01E-09	0.00011	11.39	2.99772298
CFH	213800_at	1.578	4.2	0.0001273	1	0.947	2.9865818
GALNT14	219271_at	1.577	4.6	3.33E-05	1	2.204	2.98332651
MEGF9	212830_at	1.567	5.9	3.64E-07	0.019864	6.471	2.96190545
GNAI1	227692_at	1.564	4.2	0.0001288	1	0.936	2.95594531
GSR	205770_at	1.563	5.3	3.12E-06	0.170483	4.436	2.95393513
TMEM144	228624_at	1.551	4.1	0.0001762	1	0.643	2.93121269
FXD2	205674_x_at	1.548	5.2	3.70E-06	0.202098	4.276	2.92406299
MAP2K6	205698_s_at	1.542	6.4	7.84E-08	0.004283	7.924	2.91239622
RPL22L1	225541_at	1.538	7.1	6.23E-09	0.00034	10.32	2.90370053
AGTR1	205357_s_at	1.52	4.7	2.15E-05	1	2.616	2.86812286

LTB4DH	228825_at	1.51	5.4	2.38E-06	0.130148	4.692	2.84732719
XIST	221728_x_at	1.508	4	0.0002419	1	0.348	2.84367919
FSTL4	1564511_a_at	1.506	7.1	5.04E-09	0.000275	10.52	2.83938206
NQO1	201467_s_at	1.505	4	0.0002496	1	0.319	2.83854389
GGT1	207131_x_at	1.451	6.1	1.67E-07	0.009111	7.209	2.73339687
RAB3B	205925_s_at	1.443	4.5	4.67E-05	1	1.887	2.71909951
APOH	205216_s_at	1.435	4.2	0.0001338	1	0.9	2.70320952
EFNA5	1559360_at	1.424	5.9	3.26E-07	0.017798	6.575	2.6837734
SMOX	1555680_a_at	1.405	8.3	7.62E-11	4.16E-06	14.47	2.64804062
SERPIND1	205576_at	1.402	4	0.0002285	1	0.401	2.64211623
GPRIN3	1556698_a_at	1.397	7.5	1.50E-09	8.19E-05	11.67	2.63302765
SPATA7	219583_s_at	1.377	5.3	3.28E-06	0.178947	4.391	2.59726866
CDH17	209847_at	1.373	4.9	1.02E-05	0.557896	3.317	2.5901899
BTBD11	228570_at	1.356	4.9	1.13E-05	0.617177	3.222	2.55887585
AVPI1	218631_at	1.348	5	7.61E-06	0.415775	3.594	2.54582665
MUC5AC	217187_at	1.344	5.2	4.00E-06	0.218712	4.201	2.53829549
TBC1D8	204526_s_at	1.339	4.2	0.000134	1	0.899	2.52995072
GALNT13	234472_at	1.329	4.1	0.0001858	1	0.594	2.51286635
TST	209605_at	1.325	6	2.55E-07	0.013935	6.806	2.50572847
ETV4	1554576_a_at	1.316	4.9	1.29E-05	0.704358	3.097	2.48892948
ATF7	228829_at	1.309	7.5	1.20E-09	6.53E-05	11.88	2.47725465
SLC44A1	224595_at	1.299	5	9.58E-06	0.523371	3.377	2.46073358
CPNE4	228796_at	1.298	5.8	4.76E-07	0.025987	6.216	2.45806797
ZBTB38	225512_at	1.297	4	0.0002491	1	0.321	2.45783223
ATP2B1	212930_at	1.29	6.5	4.42E-08	0.002415	8.466	2.44590451
MAP7	215471_s_at	1.275	5.3	3.06E-06	0.167377	4.454	2.42023388
SLC9A2	211116_at	1.272	9.5	1.53E-12	8.36E-08	18.13	2.41506095
AADAC	205969_at	1.27	7.4	1.82E-09	9.96E-05	11.48	2.41226903
CA8	220234_at	1.26	5.8	5.32E-07	0.029081	6.11	2.39571254
GLA	214430_at	1.256	7.9	3.29E-10	1.80E-05	13.1	2.38909645
ATP2A3	213042_s_at	1.256	4.7	2.36E-05	1	2.528	2.38883067
PITX1	209587_at	1.234	4.1	0.0001743	1	0.653	2.35140072
NEIL3	219502_at	1.227	6.3	1.04E-07	0.00566	7.66	2.34099942
LPGAT1	1555058_a_at	1.224	4.9	1.34E-05	0.73348	3.059	2.33600946
MATR3	242260_at	1.199	4.9	1.24E-05	0.67676	3.135	2.29605279
CASP8	207686_s_at	1.185	5.6	1.05E-06	0.057238	5.469	2.27393093
RASSF6	235638_at	1.182	4.7	2.07E-05	1	2.653	2.26896539
RAN	200749_at	1.175	4.7	2.23E-05	1	2.582	2.25779488
ETFB	202942_at	1.163	8.1	1.93E-10	1.05E-05	13.6	2.23878746
ST6GAL2	1555123_at	1.16	4.4	5.85E-05	1	1.675	2.2351768
TNFSF15	221085_at	1.158	4.5	4.43E-05	1	1.935	2.23126612
NQO2	203814_s_at	1.156	6.5	4.25E-08	0.00232	8.504	2.22827587
CLMN	225759_x_at	1.151	6	3.06E-07	0.016737	6.633	2.22098698
HR	241355_at	1.133	5.3	3.30E-06	0.180282	4.384	2.19259416
TRPC6	206528_at	1.128	4.5	4.77E-05	1	1.867	2.1849124
DMXL2	212820_at	1.12	4.4	7.08E-05	1	1.496	2.17395811
ANKRD5	220144_s_at	1.11	5.9	3.52E-07	0.01923	6.501	2.15888481
SLC26A9	242271_at	1.094	4.5	5.08E-05	1	1.807	2.13438684

EDEM3	223243_s_at	1.093	4.3	7.33E-05	1	1.464	2.13307552
CBLB	227900_at	1.085	5	7.52E-06	0.410893	3.606	2.1209673
ARRDC2	226055_at	1.072	7	9.30E-09	0.000508	9.942	2.10221957
IDH1	1555037_a_at	1.056	4.3	7.90E-05	1	1.394	2.07904435
TMEM71	238429_at	1.053	4.3	9.12E-05	1	1.259	2.07544881
NT5C2	243158_at	1.044	5.1	5.74E-06	0.313311	3.862	2.06214454
SMOC2	223235_s_at	1.043	4	0.0002435	1	0.342	2.06080163
TALDO1	201463_s_at	1.028	4.8	1.90E-05	1	2.731	2.03932841
TSKU	218245_at	1.028	4	0.0001988	1	0.531	2.0391851
ZFP62	227796_at	1.023	5	7.92E-06	0.432719	3.557	2.03188311
USP3	221654_s_at	1.015	5.2	4.50E-06	0.245658	4.091	2.02026482
CDKL5	227004_at	0.998	4.1	0.0001525	1	0.778	1.99762638
ZNF207	1556035_s_at	0.994	6.5	5.27E-08	0.002878	8.3	1.99151326
NAP5	239650_at	0.991	5	7.60E-06	0.415169	3.596	1.98744653
TXN	208864_s_at	0.988	5.2	3.93E-06	0.214625	4.219	1.98391947
CRTC3	232879_at	0.982	5.8	4.56E-07	0.024901	6.257	1.97579147
IL18R1	206618_at	0.981	4	0.0002201	1	0.436	1.97424002
TDO2	205943_at	0.981	4.3	9.77E-05	1	1.194	1.97376085
SALL1	229273_at	0.969	4.7	2.21E-05	1	2.589	1.95737202
HDDC3	227008_at	0.953	5.5	1.77E-06	0.096834	4.971	1.93601127
TRPA1	217590_s_at	0.952	4.1	0.0001719	1	0.666	1.93440022
BMP6	206176_at	0.948	4.9	1.32E-05	0.720564	3.076	1.92898217
ABCC1	202804_at	0.946	4.1	0.0001523	1	0.78	1.92632252
MKKS	222530_s_at	0.94	5.4	2.38E-06	0.129763	4.694	1.91788365
DTWD1	236649_at	0.938	4.9	1.23E-05	0.67048	3.144	1.91563859
NLN	225944_at	0.937	4.9	1.25E-05	0.684425	3.124	1.91438264
ZSWIM6	226208_at	0.936	4.9	1.36E-05	0.740653	3.05	1.91336654
NEDD1	234984_at	0.933	5.4	2.46E-06	0.134483	4.661	1.90952009
CD99	201029_s_at	0.932	3.9	0.0002602	1	0.28	1.90768435
UBXD6	215983_s_at	0.931	5	8.57E-06	0.468267	3.482	1.90696395
LEO1	235096_at	0.929	6	2.34E-07	0.012778	6.888	1.90344729
IL15	217371_s_at	0.923	4	0.0002279	1	0.403	1.89594962
GALNT4	220442_at	0.921	4.2	0.0001063	1	1.116	1.89332999
DET1	219641_at	0.919	5.6	1.21E-06	0.066327	5.329	1.89127215
PART1	205833_s_at	0.917	4.1	0.0001437	1	0.834	1.88836049
GGTLA4	211416_x_at	0.908	5.7	6.62E-07	0.036129	5.904	1.87644229
PPP1R3C	240187_at	0.904	5	7.64E-06	0.417493	3.591	1.87092118
MAST4	40016_g_at	0.902	5.2	4.79E-06	0.261623	4.032	1.86925072
ATRNL	211852_s_at	0.899	6.3	9.49E-08	0.00518	7.744	1.86474788
SLC23A2	211572_s_at	0.896	4.7	2.38E-05	1	2.521	1.86027859
NUP88	202900_s_at	0.895	4.8	1.72E-05	0.941295	2.824	1.85985342
CDS2	212864_at	0.886	4.1	0.0001567	1	0.753	1.84816306
TNFRSF10B	210405_x_at	0.873	5.4	2.14E-06	0.116846	4.794	1.83192089
FLJ31958	232803_at	0.86	4.8	1.56E-05	0.849595	2.921	1.81547992
MTFMT	235689_at	0.857	5.1	5.56E-06	0.303536	3.891	1.81135136
BRI3BP	231810_at	0.855	4.4	6.99E-05	1	1.509	1.80883781
FLJ31951	226077_at	0.852	4.4	7.17E-05	1	1.484	1.80442076
CLN8	222874_s_at	0.851	4.6	3.77E-05	1	2.089	1.80382936

CALM1	213688_at	0.85	3.9	0.00026	1	0.281	1.80275445
CSRP2BP	228543_at	0.845	4.5	4.07E-05	1	2.015	1.79651538
CNTNAP3	233202_at	0.845	4	0.0002147	1	0.459	1.79588183
FGF14	221310_at	0.844	4	0.0002088	1	0.485	1.79542115
UNC5D	231325_at	0.844	5.1	5.28E-06	0.288547	3.939	1.79445971
PCBD1	203557_s_at	0.839	4.2	0.0001106	1	1.079	1.78873088
TCN1	205513_at	0.833	4.7	2.20E-05	1	2.596	1.78184846
PDE4B	222326_at	0.825	6	2.86E-07	0.015603	6.699	1.77207523
KCNJ2	206765_at	0.822	4.2	0.0001246	1	0.967	1.76799626
AKR1C4	210558_at	0.817	5.9	4.21E-07	0.022979	6.333	1.76205363
RND1	210056_at	0.815	5.1	6.00E-06	0.327889	3.819	1.75949124
TM4SF5	206242_at	0.813	4.4	7.07E-05	1	1.498	1.75659555
OSBPL5	223464_at	0.81	4.2	0.0001089	1	1.093	1.75375627
TGIF	1566901_at	0.809	3.9	0.0002689	1	0.249	1.75200819
FASTKD5	219016_at	0.805	5.7	8.29E-07	0.04525	5.691	1.7469311
TP53AP1	210886_x_at	0.801	4.1	0.0001737	1	0.657	1.74262529
PBEF1	236495_at	0.801	5.7	7.46E-07	0.040725	5.791	1.74217606
ARSD	232423_at	0.794	5.3	2.63E-06	0.143584	4.599	1.73329878
EPB49	204505_s_at	0.789	4.7	2.28E-05	1	2.561	1.72838048
CHMP1B	218177_at	0.789	4.7	2.50E-05	1	2.475	1.72728715
MED11	226958_s_at	0.787	6	2.76E-07	0.01506	6.733	1.72518379
MRPL50	225581_s_at	0.786	4.5	4.86E-05	1	1.849	1.72412827
MGC4562	235005_at	0.785	4.1	0.0001745	1	0.652	1.72310072
FAM84A	234335_s_at	0.785	4.2	0.0001014	1	1.16	1.72297733
TMEM177	230830_at	0.779	5.7	7.50E-07	0.040986	5.785	1.71593514
KCTD6	238077_at	0.777	4	0.0002095	1	0.482	1.71319835
RAB37	228113_at	0.772	4.9	1.27E-05	0.693755	3.112	1.70773421
BTA1F1	243996_at	0.772	4.2	0.0001093	1	1.089	1.70739059
STAT4	206118_at	0.771	4.9	1.34E-05	0.733105	3.06	1.70614996
NRG4	242426_at	0.769	5.5	1.62E-06	0.0886	5.055	1.70464674
FBXL15	218938_at	0.757	4.3	9.82E-05	1	1.189	1.68993174
THSD7A	230008_at	0.752	4.6	3.70E-05	1	2.106	1.68468738
COL4A6	210945_at	0.746	4.3	7.72E-05	1	1.415	1.67656315
VPS33B	44111_at	0.744	5.3	2.82E-06	0.153743	4.534	1.67513318
IDE	203327_at	0.742	4.8	1.81E-05	0.988716	2.778	1.67227099
ACADSB	226030_at	0.734	4	0.0002327	1	0.384	1.66274417
OAS3	218400_at	0.732	4.5	4.13E-05	1	2.003	1.66149703
LEPROTL1	202595_s_at	0.732	4.4	7.13E-05	1	1.49	1.6604443
CLINT1	201769_at	0.728	4.4	5.33E-05	1	1.763	1.65684357
RPGR	207624_s_at	0.726	5.7	8.11E-07	0.044276	5.712	1.65396959
CUTC	218970_s_at	0.72	4.2	0.0001068	1	1.111	1.64730485
PIGO	209998_at	0.71	4.5	4.07E-05	1	2.016	1.6356834
DGKG	206395_at	0.709	10	1.76E-13	9.60E-09	20.14	1.63505871
SRA1	224864_at	0.708	5.1	5.19E-06	0.283414	3.956	1.63409282
COX15	219547_at	0.707	5.2	4.68E-06	0.255824	4.053	1.63285479
TNPO1	209225_x_at	0.706	4.5	4.99E-05	1	1.824	1.63147389
RAB18	223336_s_at	0.705	4.4	6.77E-05	1	1.538	1.62986878
EPS8L3	219404_at	0.703	4.4	5.61E-05	1	1.714	1.62832896

IREB2	242261_at	0.703	4.8	1.56E-05	0.8509	2.919	1.62772968
CA9	205199_at	0.702	4.3	9.46E-05	1	1.225	1.62701612
C1QBP	214214_s_at	0.701	6.1	2.20E-07	0.011996	6.948	1.62602284
ITGB1	216178_x_at	0.694	5.5	1.75E-06	0.095609	4.983	1.61755933
DSG1	1554345_a_at	0.694	5.6	9.15E-07	0.049993	5.597	1.61728026
RPAIN	228183_s_at	0.682	4.2	0.0001255	1	0.96	1.60396778
DGKD	208072_s_at	0.668	4.7	2.31E-05	1	2.547	1.58898083
NPAS1	231089_at	0.663	4.7	2.47E-05	1	2.483	1.58359323
SBNO1	218737_at	0.663	4	0.0002086	1	0.486	1.58313209
HCLS1	202957_at	0.662	4.1	0.0001413	1	0.849	1.58255923
SIM2	206558_at	0.662	5.2	4.06E-06	0.221759	4.188	1.58249845
DSG1	219467_at	0.661	5.7	8.63E-07	0.047155	5.652	1.58130603
DDX3X	212515_s_at	0.659	4.5	4.62E-05	1	1.897	1.57892487
RCCD1	226488_at	0.655	4.1	0.0001454	1	0.823	1.57488861
MRPL24	218270_at	0.653	4.7	2.07E-05	1	2.652	1.57237087
PTPN4	205171_at	0.651	3.9	0.0002857	1	0.193	1.56993275
ACTR6	218395_at	0.644	4	0.0001925	1	0.561	1.56259661
NSUN3	219458_s_at	0.634	6.5	5.20E-08	0.002838	8.313	1.55180205
MRRF	225126_at	0.633	4.1	0.0001503	1	0.792	1.55073419
LYPLAL1	239516_at	0.632	5.4	2.45E-06	0.133926	4.665	1.54959561
ALDH16A1	227592_at	0.622	4.6	3.47E-05	1	2.165	1.53946146
ACBD6	225317_at	0.618	4	0.0002248	1	0.416	1.53450236
TRIM7	239694_at	0.614	4.4	6.57E-05	1	1.566	1.53049679
SHH	236263_at	0.612	5.5	1.57E-06	0.085868	5.085	1.52859014
CRADD	209833_at	0.608	7.8	4.61E-10	2.52E-05	12.78	1.52426271
TSEN2	219581_at	0.607	4	0.0002117	1	0.472	1.5230163
CRTAP	227138_at	0.599	4.8	1.52E-05	0.827459	2.945	1.51424316
CRLS1	223978_s_at	0.598	4.4	6.41E-05	1	1.589	1.51390189
TMEM37	227190_at	0.592	4	0.0002432	1	0.343	1.50751267
HOXA13	231786_at	0.591	4.6	3.46E-05	1	2.167	1.50621207
COQ5	223114_at	0.589	4.2	0.0001068	1	1.112	1.50377887
EPB41L4A	228259_s_at	0.586	4.8	1.69E-05	0.923722	2.842	1.50094974
SCARNA15	228930_at	0.583	4.1	0.0001612	1	0.726	1.49813111
GPRIN3	1556697_at	0.577	5.7	7.32E-07	0.039956	5.809	1.49152329
FLJ23556	206548_at	0.568	4.6	2.75E-05	1	2.384	1.48269394
SHC4	235238_at	0.567	4.4	5.49E-05	1	1.735	1.48161333
TUBG1	244880_at	0.564	5	9.14E-06	0.498895	3.422	1.47862867
ZC3HAV1	213051_at	0.56	5.4	1.81E-06	0.099053	4.95	1.47447591
F2RL2	206795_at	0.56	5.8	4.74E-07	0.025884	6.22	1.47414409
RPL23AP13	207283_at	0.554	5.2	4.15E-06	0.226409	4.168	1.46806371
MIS12	221559_s_at	0.55	3.9	0.000277	1	0.222	1.46410186
MRPL46	219244_s_at	0.547	4	0.0002367	1	0.368	1.46066117
OPRS1	201692_at	0.536	4	0.0002484	1	0.323	1.45016139
SNHG4	1564911_at	0.533	4.2	0.0001185	1	1.014	1.44702921
SRC	1558211_s_at	0.523	6	2.78E-07	0.015161	6.726	1.43727398
SLC29A3	219344_at	0.521	4.4	6.06E-05	1	1.643	1.43472043
PSCDBP	209606_at	0.515	4.4	5.87E-05	1	1.672	1.42908097
TMEM5	204808_s_at	0.509	4	0.0001908	1	0.569	1.42299296

CNIH	201653_at	0.498	4.3	8.86E-05		1	1.286	1.41241749
SUCNR1	223939_at	0.491	4.4	6.90E-05		1	1.52	1.40538873
COASY	201913_s_at	0.491	4.2	0.0001105		1	1.08	1.40525845
SMYD3	239784_at	0.489	5	7.16E-06	0.391203		3.652	1.40304784
INVS	210114_at	0.475	4	0.0002187		1	0.442	1.39018102
ELP3	221094_s_at	0.463	4.6	3.08E-05		1	2.278	1.37869132
RABL3	226089_at	0.462	4.3	7.43E-05		1	1.451	1.37737571
APEX1	210027_s_at	0.459	4.1	0.0001714		1	0.669	1.37461194
HARSL	209252_at	0.457	4.3	9.86E-05		1	1.186	1.37307596
EIF4A1	201530_x_at	0.452	5.5	1.77E-06	0.096414		4.975	1.36753393
TMEM93	221255_s_at	0.45	4.4	5.36E-05		1	1.757	1.36644447
MMS19L	229226_at	0.444	4.8	1.63E-05	0.891031		2.876	1.3607069
KRT222P	244111_at	0.443	4.6	3.36E-05		1	2.195	1.35923363
TUBAL3	220310_at	0.435	5	8.68E-06	0.474066		3.471	1.35221925
SRP19	205335_s_at	0.432	4.2	0.000127		1	0.949	1.34929607
SLC35C1	222647_at	0.422	4	0.000197		1	0.539	1.33950502
TM4SF1	238168_at	0.421	4.1	0.0001595		1	0.736	1.33867953
RBM33	226732_at	0.419	4.3	8.76E-05		1	1.297	1.33656919
MRPS5	224877_s_at	0.416	3.9	0.0002843		1	0.198	1.33456356
HNF4A	230914_at	0.409	4	0.0002505		1	0.315	1.32808463
METAP2	209861_s_at	0.409	4	0.0002198		1	0.437	1.32789878
MGC42174	238602_at	0.397	4.3	7.90E-05		1	1.393	1.31670164
KCNN3	205903_s_at	0.394	4.8	1.62E-05	0.882842		2.884	1.31446164
ATE1	234584_s_at	0.382	6.1	1.87E-07	0.010232		7.099	1.30319528
SERPINA6	206325_at	0.379	4	0.0002541		1	0.302	1.30087319
BCL11B	219528_s_at	0.37	4.1	0.0001559		1	0.757	1.2919458
SCRN3	1555595_at	0.366	4.5	4.29E-05		1	1.966	1.28849437
ACBD4	219413_at	0.351	4.3	8.11E-05		1	1.369	1.27579544
GPR157	220901_at	0.351	4.2	0.0001151		1	1.041	1.27521428
NOC4L	218860_at	0.345	4.2	0.0001285		1	0.938	1.27049956
ATP8B4	220416_at	0.343	4.8	1.68E-05	0.918026		2.848	1.26814118
FBXW8	237317_at	0.328	4.4	6.61E-05		1	1.561	1.25566852
EN2	207060_at	0.323	4	0.0001918		1	0.564	1.25110137
RPS17	212578_x_at	0.317	4.1	0.0001564		1	0.755	1.24599739
WDFY2	227490_at	0.315	4.7	2.63E-05		1	2.425	1.2439828
RPL23A	203012_x_at	0.287	4.8	1.56E-05	0.851951		2.918	1.22026091
ZNF343	207296_at	0.287	4	0.0001986		1	0.532	1.22021784
SEC63D1	241469_at	0.262	5	9.24E-06	0.504893		3.411	1.19913305
RIN2	233811_at	0.251	4.1	0.0001441		1	0.831	1.19025617
SCARF1	206995_x_at	-0.17	-4.3	9.75E-05		1	1.197	-1.12806453
LHX9	1565407_at	-0.18	-4	0.0001927		1	0.56	-1.12934422
CLLU1	1558186_s_at	-0.18	-4.1	0.0001523		1	0.779	-1.13368169
CHST11	1570165_at	-0.19	-4.1	0.0001599		1	0.734	-1.14370647
ZNF70	1554578_at	-0.2	-4	0.0002138		1	0.463	-1.14672556
SOS2	217575_s_at	-0.21	-4.5	4.27E-05		1	1.971	-1.15550198
TTBK2	1561705_at	-0.22	-4.1	0.0001571		1	0.751	-1.16141488
DNAH10	1565339_at	-0.22	-4.8	1.59E-05	0.867028		2.901	-1.16284563
CCDC46	1557886_at	-0.23	-4.1	0.0001887		1	0.58	-1.17367198

SIX4	231797_at	-0.23	-3.9	0.0002739		1	0.232	-1.1739554
CEP68	1559159_at	-0.24	-4	0.0002533		1	0.305	-1.18144307
DEFB119	1553093_a_at	-0.24	-4.2	0.0001226		1	0.982	-1.18308839
ATP9B	1564344_at	-0.24	-4	0.0002174		1	0.447	-1.18491902
ZNF501	1562386_s_at	-0.25	-4	0.0002374		1	0.365	-1.18846913
HHLA2	234673_at	-0.25	-4.1	0.0001804		1	0.622	-1.18848111
FMN1	243516_at	-0.25	-4	0.0002453		1	0.335	-1.18995212
CMTM8	234263_at	-0.26	-4.9	1.10E-05	0.600244		3.248	-1.19642087
APOL5	220478_at	-0.26	-3.9	0.0002704		1	0.244	-1.1971998
IGHMBP2	31861_at	-0.26	-4.2	0.0001295		1	0.931	-1.20047473
SEMA5A	1567705_at	-0.27	-4.1	0.0001591		1	0.739	-1.20825665
GOLGA3	1554987_at	-0.28	-4.2	0.000118		1	1.018	-1.2103434
ZNF490	231988_x_at	-0.28	-4	0.0002151		1	0.457	-1.21541965
ALS2CR11	1553260_s_at	-0.28	-4	0.0002047		1	0.504	-1.21709724
OR2M4	1566289_at	-0.28	-4	0.0002471		1	0.328	-1.21789807
NODAL	230916_at	-0.29	-4.3	7.93E-05		1	1.39	-1.21935269
GRIP1	241761_at	-0.29	-4.3	9.59E-05		1	1.212	-1.2202636
FLOT1	213819_s_at	-0.3	-4.5	4.92E-05		1	1.838	-1.23006925
CLCNKA	207047_s_at	-0.3	-4.1	0.0001721		1	0.665	-1.23121614
RAB43	229894_s_at	-0.31	-4	0.0002182		1	0.444	-1.23626042
SLC35E1	79005_at	-0.31	-4.2	0.0001326		1	0.909	-1.23778198
DPY19L2	1557290_at	-0.31	-4	0.0002079		1	0.489	-1.23928892
MT4	217395_at	-0.32	-4.5	3.81E-05		1	2.079	-1.24690637
TBC1D1	1568713_a_at	-0.32	-4.6	3.05E-05		1	2.286	-1.25057278
LSM14B	1553304_at	-0.32	-4.1	0.00016		1	0.733	-1.25234368
DISC1	1563744_a_at	-0.33	-4.2	0.0001175		1	1.022	-1.25404448
DKFZp564H213	234787_at	-0.33	-4	0.0001939		1	0.554	-1.26137413
NGB	236677_at	-0.34	-5.1	5.52E-06	0.301358		3.898	-1.26196544
FLJ31033	1559585_at	-0.34	-4	0.0002032		1	0.51	-1.26371583
PRKAR2A	213052_at	-0.35	-3.9	0.0002694		1	0.248	-1.2730627
CCDC73	237084_at	-0.35	-4.3	8.92E-05		1	1.28	-1.27653579
SLC4A3	205918_at	-0.36	-4	0.0002069		1	0.494	-1.27979782
CTA-216E10.6	219309_at	-0.36	-4.2	0.000134		1	0.899	-1.28005011
FLJ16124	1559939_at	-0.36	-4.1	0.0001671		1	0.693	-1.28067534
NMBR	207333_at	-0.36	-4.2	0.0001029		1	1.146	-1.28335534
ZNF75A	239204_at	-0.36	-4.9	1.13E-05	0.615852		3.224	-1.28728057
ZNF470	234921_at	-0.37	-4.1	0.0001878		1	0.584	-1.2889506
ZNF160	1567032_s_at	-0.37	-4	0.0002191		1	0.44	-1.28981761
PRDM4	1565838_at	-0.37	-4.2	0.0001024		1	1.151	-1.29250822
COQ2	232126_at	-0.37	-4.4	6.33E-05		1	1.601	-1.29286905
SIN3B	39705_at	-0.38	-4.3	8.14E-05		1	1.366	-1.29707981
PRRT3	1556308_at	-0.38	-4.1	0.0001733		1	0.659	-1.30033625
OCIAD1	235537_at	-0.38	-4.2	0.0001134		1	1.055	-1.30560868
TMEM14C	223105_s_at	-0.39	-4.6	2.95E-05		1	2.318	-1.30975369
TRIM39	222732_at	-0.39	-5.2	3.95E-06	0.215945		4.213	-1.31019851
STK19	36019_at	-0.39	-4.5	4.75E-05		1	1.87	-1.31405954
DVL3	201907_x_at	-0.41	-4	0.0002001		1	0.525	-1.32588564
CEMP1	227841_at	-0.42	-5.4	2.02E-06	0.110258		4.848	-1.33519818

PCDHB18	234724_x_at	-0.42	-4	0.0002466		1	0.33	-1.3373416
TRIM62	58308_at	-0.42	-4.3	7.50E-05		1	1.442	-1.34195265
ZFP37	207068_at	-0.43	-4.2	0.0001022		1	1.153	-1.34403864
MCART1	232092_at	-0.43	-4.5	4.74E-05		1	1.873	-1.35109224
TJAP1	47608_at	-0.44	-4.8	1.53E-05	0.834732		2.937	-1.35857907
HSDL1	223248_at	-0.45	-4.2	0.0001368		1	0.88	-1.36212267
FANCB	243597_at	-0.45	-4.4	7.01E-05		1	1.506	-1.36930538
FNIP1	1559060_a_at	-0.47	-4.4	5.45E-05		1	1.741	-1.38064032
ABCC10	215873_x_at	-0.47	-5.1	6.96E-06	0.380305		3.679	-1.38123473
GTF2B	208066_s_at	-0.47	-4.2	0.0001325		1	0.91	-1.38466704
AARSL	231845_at	-0.47	-4.4	7.25E-05		1	1.474	-1.38645563
RASAL2	234343_s_at	-0.47	-4.9	1.20E-05	0.653134		3.168	-1.38797499
UBE4B	202316_x_at	-0.49	-4.7	2.27E-05		1	2.566	-1.40827419
TESK2	205486_at	-0.49	-4.1	0.0001483		1	0.804	-1.40903252
ATN1	40489_at	-0.49	-4.3	7.91E-05		1	1.393	-1.4091281
KLHL12	219931_s_at	-0.5	-4.1	0.0001448		1	0.826	-1.41135746
TBC1D22B	216549_s_at	-0.5	-4.3	8.05E-05		1	1.376	-1.41238595
PCYT1A	204209_at	-0.5	-4.2	0.0001089		1	1.093	-1.4127454
HIST1H2AI	214542_x_at	-0.51	-4.5	4.05E-05		1	2.02	-1.42201761
RSF1	222541_at	-0.51	-4.1	0.0001529		1	0.776	-1.42340306
PBX4	230536_at	-0.51	-4.2	0.0001065		1	1.114	-1.42397116
BRD2	208686_s_at	-0.52	-4.6	3.30E-05		1	2.213	-1.42923798
ANKRD13C	1556361_s_at	-0.52	-4.6	3.37E-05		1	2.194	-1.43188007
ALKBH8	235713_at	-0.52	-4	0.0001987		1	0.531	-1.43332849
INPPL1	201598_s_at	-0.52	-4.3	9.93E-05		1	1.179	-1.43483439
CUL7	36084_at	-0.52	-4.2	0.0001059		1	1.119	-1.43595663
ABCF1	200045_at	-0.54	-6.3	1.11E-07	0.006083		7.591	-1.44925989
FBXL12	220127_s_at	-0.54	-4.2	0.0001054		1	1.123	-1.45169542
HIST1H2AJ	208583_x_at	-0.54	-4.4	6.65E-05		1	1.555	-1.45435998
DHX16	203694_s_at	-0.54	-4.3	7.47E-05		1	1.446	-1.45762434
PUSL1	228733_at	-0.55	-5.9	3.36E-07	0.018351		6.546	-1.46608468
NAGS	229432_at	-0.55	-4.3	8.79E-05		1	1.294	-1.46807906
CC2D1B	225323_at	-0.55	-4	0.0002389		1	0.359	-1.46812615
BAT3	210208_x_at	-0.56	-4.3	9.82E-05		1	1.19	-1.46919351
CPSF3L	232437_at	-0.56	-4.6	3.04E-05		1	2.29	-1.47021806
ARMC8	203487_s_at	-0.56	-4.7	2.02E-05		1	2.675	-1.47553964
SENP2	222523_at	-0.56	-4.5	4.18E-05		1	1.99	-1.47554362
VAC14	218169_at	-0.56	-4.2	0.0001004		1	1.169	-1.47633394
TYW3	227141_at	-0.57	-4.2	0.0001124		1	1.064	-1.48361137
CENPT	218148_at	-0.57	-4	0.0002531		1	0.306	-1.48385348
FLJ37798	227298_at	-0.57	-4.6	2.95E-05		1	2.317	-1.48785542
CDC5L	209055_s_at	-0.58	-4.3	8.77E-05		1	1.296	-1.49199735
RP11-217H1.1	224899_s_at	-0.58	-4.2	0.0001212		1	0.993	-1.49640902
PLXNA3	203623_at	-0.58	-4.7	2.71E-05		1	2.399	-1.49917785
DDX19A	202577_s_at	-0.59	-4.6	3.64E-05		1	2.121	-1.50146939
DR1	207654_x_at	-0.59	-4.1	0.0001399		1	0.858	-1.5020665
PRKACA	216234_s_at	-0.59	-4.1	0.0001727		1	0.662	-1.50337475
MGC19604	226451_at	-0.59	-4.8	1.48E-05	0.807595		2.968	-1.50485086

ZNF599	228093_at	-0.59	-4.7	1.95E-05	1	2.706	-1.50502096
TCEA2	241428_x_at	-0.59	-4.3	9.59E-05	1	1.212	-1.50665839
SH3GL1	201851_at	-0.59	-4.6	3.30E-05	1	2.213	-1.50729822
KDELRL2	200700_s_at	-0.6	-4.9	1.33E-05	0.725909	3.069	-1.51103784
SIAH2	209339_at	-0.6	-4.2	0.0001345	1	0.895	-1.51152918
NCOA6	208979_at	-0.6	-4.1	0.0001427	1	0.84	-1.51174914
DDEFL1	222236_s_at	-0.6	-5.8	5.79E-07	0.031629	6.03	-1.51609692
FAF1	224217_s_at	-0.6	-4.4	5.32E-05	1	1.764	-1.51771117
CORO1B	221754_s_at	-0.6	-4.2	0.0001221	1	0.986	-1.52030549
HABP4	232341_x_at	-0.61	-4.3	7.81E-05	1	1.404	-1.52352051
THAP8	228500_at	-0.61	-4.7	2.25E-05	1	2.574	-1.52526681
DR1	216652_s_at	-0.61	-4	0.0002544	1	0.301	-1.52988299
FOXJ2	203734_at	-0.62	-4.9	1.13E-05	0.61577	3.224	-1.5352174
ZGPAT	221848_at	-0.62	-4.5	4.18E-05	1	1.991	-1.53725339
MFN2	216205_s_at	-0.63	-4.5	4.83E-05	1	1.855	-1.5471791
DAXX	201763_s_at	-0.63	-5.5	1.70E-06	0.092803	5.012	-1.54741891
DGKZ	239342_at	-0.63	-5.5	1.30E-06	0.071019	5.265	-1.54907162
ZNF571	206648_at	-0.63	-4	0.0002401	1	0.355	-1.55145141
CDH24	230157_at	-0.63	-4.2	0.0001213	1	0.992	-1.55234522
KCNJ4	208359_s_at	-0.64	-5.1	6.63E-06	0.362334	3.724	-1.55357268
PPP1R15A	37028_at	-0.64	-4.3	9.53E-05	1	1.218	-1.55622307
PIM1	209193_at	-0.64	-4.1	0.00017	1	0.677	-1.55702746
BCAP29	225677_at	-0.65	-4.3	7.53E-05	1	1.439	-1.56386823
ZFYVE1	223388_s_at	-0.65	-4	0.0002221	1	0.428	-1.56619116
CDC14B	211348_s_at	-0.65	-4.9	9.99E-06	0.545394	3.338	-1.57394943
TRAPPC2L	218354_at	-0.66	-5.3	3.26E-06	0.178212	4.395	-1.57710123
MIB2	226644_at	-0.66	-5.3	3.38E-06	0.184517	4.362	-1.58398657
SLC7A6OS	232057_at	-0.66	-5.4	2.47E-06	0.134739	4.659	-1.58417811
LYPLA3	204458_at	-0.66	-4	0.0002129	1	0.467	-1.58472293
TEAD4	204281_at	-0.67	-5.1	6.89E-06	0.376322	3.689	-1.58902377
EIF4G1	208625_s_at	-0.68	-4	0.0002467	1	0.33	-1.59924751
FAM53A	1569139_s_at	-0.68	-4.4	5.63E-05	1	1.711	-1.59999961
RP11-535K18.3	219626_at	-0.68	-4.6	2.79E-05	1	2.37	-1.60512708
OTUD3	213216_at	-0.68	-4.7	2.38E-05	1	2.521	-1.6061306
RP9	227849_at	-0.69	-4.2	0.0001203	1	0.999	-1.60886589
PHF3	217952_x_at	-0.69	-4.2	0.0001005	1	1.168	-1.61333121
DVL3	201908_at	-0.71	-4.8	1.68E-05	0.919144	2.846	-1.63796681
DAPK3	203890_s_at	-0.71	-4.2	0.0001176	1	1.021	-1.64105934
TPMT	203672_x_at	-0.72	-4.6	3.38E-05	1	2.19	-1.65154402
ZNF318	203521_s_at	-0.72	-4.3	9.81E-05	1	1.19	-1.65170422
HHLA3	220387_s_at	-0.72	-4.1	0.0001462	1	0.818	-1.65189488
WWC2	222738_at	-0.72	-3.9	0.0002887	1	0.183	-1.65251383
KIFC2	226791_at	-0.73	-4.1	0.000165	1	0.705	-1.65907286
MOSPD1	218853_s_at	-0.73	-4.3	8.68E-05	1	1.305	-1.659792
PHF1	40446_at	-0.73	-4.6	3.26E-05	1	2.224	-1.66331442
DFFA	223518_at	-0.74	-4.7	2.03E-05	1	2.669	-1.67174764
ZNF382	1561687_a_at	-0.74	-4.1	0.0001601	1	0.733	-1.67532924
ZDHHC8	225744_at	-0.75	-3.9	0.000275	1	0.228	-1.68408035

FAM50A	203262_s_at	-0.75	-4	0.0002254		1	0.414	-1.68532035
TIAM2	222942_s_at	-0.75	-4.1	0.00016		1	0.733	-1.68665296
BRI3	223376_s_at	-0.78	-4.4	6.63E-05		1	1.557	-1.71288741
MRAS	225185_at	-0.78	-4	0.0002189		1	0.441	-1.7136797
PAK1IP1	218886_at	-0.78	-4	0.0002175		1	0.447	-1.71581309
INTU	228946_at	-0.78	-4.3	8.97E-05		1	1.274	-1.72045368
MED28	218438_s_at	-0.79	-4	0.000255		1	0.299	-1.72836496
DNAJB2	202500_at	-0.79	-4.9	1.19E-05	0.650669		3.172	-1.73030129
ZBTB46	227329_at	-0.8	-5	8.99E-06	0.491192		3.437	-1.74139636
SLC7A6	203579_s_at	-0.8	-4.3	7.57E-05		1	1.433	-1.74342246
CLEC2D	1560156_at	-0.81	-4.1	0.000175		1	0.65	-1.75246628
TRIM37	213009_s_at	-0.81	-4.8	1.64E-05	0.895038		2.871	-1.75386005
SERTAD1	223394_at	-0.81	-4.4	6.11E-05		1	1.635	-1.75719545
FYTTD1	224642_at	-0.82	-4.2	0.0001352		1	0.89	-1.7711217
RANBP9	216125_s_at	-0.83	-5	8.90E-06	0.486128		3.447	-1.77188766
DGCR2	214198_s_at	-0.86	-4	0.0002317		1	0.388	-1.8093959
MAP1LC3B	208785_s_at	-0.86	-6.3	9.03E-08	0.004932		7.79	-1.81710679
ZNF788	244552_at	-0.87	-3.9	0.0002635		1	0.268	-1.82656404
ZNF347	238819_at	-0.87	-4.8	1.85E-05		1	2.755	-1.83098951
MAP1LC3B	208786_s_at	-0.91	-4.9	1.30E-05	0.710262		3.089	-1.87477877
DDAH2	215537_x_at	-0.92	-4.4	6.15E-05		1	1.628	-1.8899167
HIST1H2BC	236193_at	-0.94	-4.4	5.69E-05		1	1.701	-1.91735955
RERE	221643_s_at	-0.94	-4.7	2.63E-05		1	2.426	-1.91750547
NOTCH2NL	214722_at	-0.94	-4.5	5.21E-05		1	1.785	-1.91978681
SLC35F2	218826_at	-1.01	-4.1	0.0001402		1	0.857	-2.01094948
RNF166	227726_at	-1.01	-6	2.29E-07	0.012488		6.91	-2.01588513
DAGLBETA	225832_s_at	-1.02	-4	0.0002169		1	0.449	-2.02312657
TIGD7	224365_s_at	-1.03	-5	7.42E-06	0.405032		3.619	-2.04363907
SPHK1	219257_s_at	-1.04	-5.4	2.37E-06	0.129514		4.696	-2.06005576
TMEM142B	218812_s_at	-1.05	-4.9	1.18E-05	0.646357		3.178	-2.07544024
BRPF3	225217_s_at	-1.06	-5.8	5.55E-07	0.030335		6.07	-2.08366225
LSS	202245_at	-1.08	-4.8	1.41E-05	0.767474		3.016	-2.10709161
PSCD3	225147_at	-1.08	-4.2	0.000114		1	1.05	-2.11926925
GAB2	203853_s_at	-1.09	-4.1	0.0001883		1	0.581	-2.13189379
CAND2	213547_at	-1.12	-4.5	4.80E-05		1	1.86	-2.1741476
MICALL1	55081_at	-1.13	-6.2	1.53E-07	0.008375		7.289	-2.18171245
STAU2	227179_at	-1.13	-4.2	0.0001364		1	0.882	-2.19102924
CSDE1	219939_s_at	-1.14	-5.1	5.13E-06	0.280259		3.967	-2.20030298
SIPA1L1	202254_at	-1.14	-6	2.37E-07	0.012925		6.878	-2.2008839
DDAH1	209094_at	-1.16	-5.2	3.99E-06	0.217974		4.204	-2.2289298
TWSG1	219201_s_at	-1.17	-4.7	2.61E-05		1	2.432	-2.25778985
TM7SF2	210130_s_at	-1.18	-4.4	6.19E-05		1	1.622	-2.26561724
JUN	201464_x_at	-1.19	-4.6	3.74E-05		1	2.094	-2.2850761
PANX1	204715_at	-1.2	-4.6	3.05E-05		1	2.288	-2.29709039
PPIC	204518_s_at	-1.22	-4.3	9.95E-05		1	1.177	-2.33029847
SERPINH1	207714_s_at	-1.27	-4	0.0002587		1	0.286	-2.40753786
GPR176	227846_at	-1.3	-4.5	3.99E-05		1	2.034	-2.4579692
PLEKHC1	209209_s_at	-1.35	-4.6	3.65E-05		1	2.117	-2.54108015

NEU1	208926_at	-1.36	-6.7	2.03E-08	0.00111	9.203	-2.56011743
PCDHB2	231725_at	-1.36	-4.3	7.83E-05	1	1.402	-2.56510811
MGC16291	233562_at	-1.37	-4.7	2.49E-05	1	2.477	-2.58080356
OGFRL1	219582_at	-1.4	-4.5	4.70E-05	1	1.881	-2.63277976
ZNF320	229614_at	-1.4	-3.9	0.000278	1	0.218	-2.6335836
ZFAND3	222493_s_at	-1.4	-7.5	1.31E-09	7.18E-05	11.79	-2.63447152
ZNF600	242463_x_at	-1.41	-4.8	1.50E-05	0.816497	2.958	-2.66046443
PEA15	200787_s_at	-1.42	-5.2	3.96E-06	0.216235	4.212	-2.68047725
SLIT2	209897_s_at	-1.47	-4.7	2.08E-05	1	2.646	-2.76419191
HIST1H2AG	207156_at	-1.52	-5.5	1.33E-06	0.072727	5.242	-2.86792982
ZNF738	229700_at	-1.72	-3.9	0.0002775	1	0.22	-3.29856106
LIMA1	222457_s_at	-1.73	-4.2	0.0001338	1	0.9	-3.32149411
TTMB	227386_s_at	-1.77	-5.6	1.06E-06	0.057896	5.458	-3.41389858
IGF2BP2	218847_at	-1.96	-5.3	2.63E-06	0.143478	4.599	-3.89879878
SCRN1	201462_at	-2.02	-5.8	4.61E-07	0.025162	6.247	-4.04423786
CDKN2B	236313_at	-2.05	-4.3	1.00E-04	1	1.173	-4.14582555
ODZ3	219523_s_at	-2.05	-5.1	6.94E-06	0.379121	3.682	-4.1475774
COTL1	224583_at	-2.22	-5.3	3.43E-06	0.187411	4.347	-4.65016252
MICB	206247_at	-2.3	-4.3	7.42E-05	1	1.452	-4.93135234
HDAC9	205659_at	-2.4	-5.8	4.61E-07	0.025156	6.247	-5.29453089
PPM2C	222572_at	-2.53	-7	9.43E-09	0.000515	9.929	-5.7928031
PEG10	212094_at	-2.82	-4.6	3.44E-05	1	2.174	-7.04494909
MAGEA2	214603_at	-3.46	-4	0.0002501	1	0.317	-11.0366623