

**Table S5**

<b>probe</b>	<b>gene</b>	<b>effect</b>	<b>p.val</b>	<b>FDR</b>
221588_x_at	ALDH6A1	-0.02714	4.53E-11	5.04E-07
209173_at	AGR2	0.045107	3.61E-11	5.04E-07
221589_s_at	LOC100506517	-0.02625	4.82E-09	6.67E-06
209460_at	ABAT	-0.02618	5.51E-08	3.15E-05
206254_at	EGF	-0.04219	2.91E-10	2.16E-06
214274_s_at	ACAA1	-0.02035	3.43E-08	2.32E-05
219076_s_at	PXMP2	-0.02103	2.99E-09	6.65E-06
220094_s_at	CCDC90A	-0.01477	2.29E-09	6.13E-06
201963_at	ACSL1	-0.01963	2.91E-08	2.09E-05
203908_at	SLC4A4	-0.02786	1.8E-08	1.43E-05
202108_at	PEPD	-0.02281	5.66E-07	0.000157
220507_s_at	UPB1	-0.03016	9.03E-07	0.000203
203159_at	GLS	-0.01415	3.29E-09	6.65E-06
203145_at	SPAG5	-0.02698	9.62E-08	4.66E-05
219527_at	MOSC2	-0.01886	4.28E-07	0.000131
203711_s_at	HIBCH	-0.02102	1.49E-08	1.34E-05
205244_s_at	SLC13A3	-0.02677	1.64E-05	0.00142
213374_x_at	HIBCH	-0.02104	1.48E-08	1.34E-05
209459_s_at	ABAT	-0.02623	3.08E-06	0.000461
203790_s_at	HRSP12	-0.02522	2.73E-07	0.000102
209123_at	QDPR	-0.02213	9.62E-07	0.000214
41577_at	PPP1R16B	-0.0241	4.42E-07	0.000131
204290_s_at	ALDH6A1	-0.02216	1.36E-07	6.1E-05
203335_at	PHYH	-0.02045	4.6E-09	6.67E-06
205243_at	SLC13A3	-0.03015	5.34E-06	0.000668
219281_at	MSRA	-0.01902	2.5E-06	0.000401
33494_at	ETFDH	-0.01586	3.46E-06	0.000505
210738_s_at	SLC4A4	-0.03294	1.5E-08	1.34E-05
205530_at	ETFDH	-0.01955	7.26E-09	8.29E-06
211552_s_at	ALDH4A1	-0.02475	1.8E-08	1.43E-05
213933_at	PTGER3	-0.02741	5.4E-09	6.68E-06
211569_s_at	HADH	-0.02361	2.89E-07	0.000103
200953_s_at	CCND2	0.029963	6.68E-10	3.72E-06
211776_s_at	EPB41L3	-0.01898	4.38E-08	2.68E-05
204430_s_at	SLC2A5	-0.01977	0.000113	0.004854
206484_s_at	XPNPEP2	-0.02864	3.9E-05	0.002366
201036_s_at	HADH	-0.01924	7.29E-07	0.000178
215726_s_at	CYB5A	-0.01892	1.66E-08	1.42E-05
210619_s_at	HYAL1	-0.019	4.45E-08	2.68E-05
45288_at	ABHD6	-0.01877	6.61E-06	0.000784
202740_at	ABHD14A	-0.02736	5.72E-07	0.000157
205653_at	CTSG	0.025339	4.57E-08	2.68E-05
206332_s_at	IFI16	0.022464	4.31E-07	0.000131
205364_at	ACOX2	-0.02704	4.83E-06	0.000621
204289_at	LOC100506517	-0.02097	1.85E-06	0.000324
212741_at	MAOA	-0.01973	9.78E-07	0.000214
217874_at	SUCLG1	-0.01703	8.26E-08	4.28E-05

214261_s_at	ADH6	-0.01757	3.64E-05	0.002297
200961_at	SEPHS2	-0.01261	7.61E-08	4.13E-05
205355_at	ACADSB	-0.02397	5.09E-09	6.67E-06
206030_at	ASPA	-0.02366	2.61E-07	0.000101
221605_s_at	PIPOX	-0.02617	1.07E-05	0.001079
205081_at	CRIP1	0.029073	3.91E-08	2.49E-05
219161_s_at	CKLF	0.018189	1.74E-07	7.3E-05
214433_s_at	SELENBP1	-0.02269	2.48E-09	6.13E-06
220075_s_at	CDHR5	-0.02963	2.83E-05	0.001952
219739_at	RNF186	-0.02421	1.11E-05	0.001103
201349_at	SLC9A3R1	-0.01403	3.69E-06	0.00052
210739_x_at	SLC4A4	-0.02011	9.94E-06	0.00103
205978_at	KL	-0.02954	1.78E-07	7.36E-05
205311_at	DDC	-0.02142	0.000124	0.00505
211138_s_at	KMO	-0.02831	1.46E-06	0.000276
200952_s_at	CCND2	0.029532	1.39E-09	4.41E-06
209374_s_at	IGHM	0.028389	4.04E-05	0.002422
205380_at	PDZK1	-0.01115	1.75E-05	0.001458
208965_s_at	IFI16	0.023415	1.29E-06	0.000256
221636_s_at	MOSC2	-0.01646	3.77E-06	0.000522
209667_at	CES2	-0.01427	2.67E-05	0.001889
203892_at	WFDC2	0.027012	1.84E-06	0.000324
1405_i_at	CCL5	0.030516	8.37E-07	0.000198
205757_at	ENTPD5	-0.01805	2.3E-05	0.001707
219732_at	LPPR1	-0.03142	8.73E-08	4.42E-05
218844_at	ACSF2	-0.01754	3.66E-05	0.002297
213657_s_at		-0.02343	7.49E-08	4.13E-05
206346_at	PRLR	-0.02545	3.28E-07	0.000112
201563_at	SORD	-0.0181	1.26E-05	0.001211
220801_s_at	HAO2	-0.0305	5.31E-06	0.000668
207071_s_at	ACO1	-0.0188	2.8E-06	0.000433
44696_at	TBC1D13	-0.01703	3.77E-06	0.000522
219902_at	BHMT2	-1.68E-02	0.00013	0.005223
202238_s_at	NNMT	0.032203	1.25E-06	0.000253
211494_s_at	SLC4A4	-0.01707	5.24E-06	0.000663
221552_at	ABHD6	-0.01657	1.74E-05	0.001455
201288_at	ARHGDI1B	0.019987	6.60E-07	0.000169
206610_s_at	F11	-0.02055	7.53E-07	0.00018
205307_s_at	KMO	-0.02881	1.46E-06	0.000276
208966_x_at	IFI16	0.025843	3.85E-07	0.000126
209978_s_at	LPA	-0.04267	5.17E-07	0.000148
217728_at	S100A6	1.94E-02	2.8E-07	0.000102
203914_x_at	HPGD	-0.03146	2.08E-08	1.6E-05
203435_s_at	MME	-0.01611	0.00104	0.021378
212703_at	TLN2	-0.01466	0.00028	0.008836
218440_at	MCCC1	-0.01399	6.52E-07	0.000169
205489_at	CRYM	-0.01397	4.4E-05	0.002565
210046_s_at	IDH2	-0.02125	3.71E-09	6.67E-06
203207_s_at	MTRF1	-0.01757	6.13E-07	0.000163

209605_at	TST	-0.01436	1.66E-05	0.001421
216381_x_at	AKR7A3	-0.02982	1.07E-08	1.12E-05
210833_at	PTGER3	-0.02469	6.14E-07	0.000163
210084_x_at	TPSAB1	0.021134	8.29E-06	0.00091
201562_s_at	SORD	-0.02191	2.32E-06	0.00038
212434_at	GRPEL1	-0.01525	1.53E-05	0.001365
207858_s_at	PKLR	-0.0261	1.48E-05	0.001333
206878_at	DAO	-0.02618	3.68E-05	0.002297
219915_s_at	SLC16A10	-0.01875	5.52E-05	0.002935
212750_at	PPP1R16B	-0.0262	5.97E-06	0.000739
209977_at	PLG	-0.03395	2.71E-05	0.001909
205052_at	AUH	-0.01755	3.63E-08	2.38E-05
216474_x_at	TPSAB1	0.021003	1.42E-05	0.001304
210915_x_at	TRBC1	0.030247	7.85E-06	0.000869
213193_x_at	TRBC1	0.032932	2.28E-05	0.001707
205222_at	EHHADH	-0.01858	4.63E-06	0.000614
215363_x_at	FOLH1	-0.02443	0.000224	0.00764
213624_at	SMPDL3A	-0.01817	1.78E-06	0.000317
202003_s_at	ACAA2	-0.01406	9.84E-07	0.000214
208177_at	SLC34A1	-0.02384	0.000427	0.01149
211548_s_at	HPGD	-0.03107	7.45E-09	8.29E-06
211712_s_at	ANXA9	-0.01338	1.33E-05	0.001248
209366_x_at	CYB5A	-0.01704	1.37E-07	6.1E-05
205750_at	BPHL	-0.02107	1.08E-07	5.13E-05
201193_at	IDH1	-0.01579	1.82E-05	0.001487
210832_x_at	PTGER3	-0.01793	1.44E-06	0.000276
203433_at	MTHFS	-0.01343	1.54E-05	0.001365
219803_at	ANGPTL3	-0.02977	4.25E-05	0.002505
215559_at	ABCC6	-0.01855	0.000125	0.005089
206522_at	MGAM	-0.0179	0.000491	0.012622
222078_at	PKLR	-0.02002	4.72E-05	0.002692
214088_s_at	FUT3	-0.01403	0.000824	0.018053
37590_g_at		-0.02234	8.71E-07	0.000202
205216_s_at	APOH	-0.02352	0.000654	0.015294
205624_at	CPA3	0.026788	0.000149	0.005806
211796_s_at	TRBC1	0.03989	1.02E-05	0.001057
218102_at	DERA	-0.01389	1.4E-06	0.000276
207213_s_at	USP2	-0.03456	8.76E-06	0.000934
210476_s_at	PRLR	-0.02039	1.1E-05	0.001092
205860_x_at	FOLH1	-0.02309	0.00047	0.012279
201135_at	ECHS1	-0.01655	4.26E-06	0.000572
202309_at	MTHFD1	-0.01376	1.27E-06	0.000254
219525_at	SLC47A1	-0.01469	0.00254	0.038965
211028_s_at	KHK	-2.24E-02	6.59E-05	0.003375
206457_s_at	DIO1	-0.02796	7.99E-05	0.003812
219298_at	ECHDC3	-0.01807	1.46E-06	0.000276
221590_s_at	ALDH6A1	-0.02786	1.29E-07	5.96E-05
216910_at	XPNPEP2	-0.02887	0.000334	0.009836
209600_s_at	ACOX1	-0.01721	4.52E-07	0.000132

210452_x_at	CYP4F2	-0.02381	2E-05	0.001585
204834_at	FGL2	0.022066	6.02E-07	0.000163
217023_x_at	TPSAB1	0.016745	9.17E-05	0.004161
202237_at	NNMT	0.036512	4.42E-07	0.000131
220135_s_at	SLC7A9	-0.01913	0.003326	0.046948
207843_x_at	CYB5A	-0.01456	8.95E-07	0.000203
213603_s_at	RAC2	0.02418	9.57E-08	4.66E-05
202025_x_at	ACAA1	-0.01604	3.54E-05	0.002279
200947_s_at	GLUD1	-0.01883	1.11E-08	1.12E-05
205675_at	MTPP	-0.02797	6.57E-05	0.003375
211890_x_at	CAPN3	-2.27E-02	0.000119	0.005003
202436_s_at	CYP1B1	0.028252	6.33E-07	0.000166
204704_s_at	ALDOB	-0.02792	8.33E-05	0.003939
202847_at	PCK2	-0.01995	2.74E-05	0.001922
220148_at	ALDH8A1	-0.01473	0.001466	0.026929
219188_s_at	MACROD1	-0.01628	9.03E-07	0.000203
205306_x_at	KMO	-0.0284	1.55E-05	0.001373
214033_at	ABCC6	-0.02087	2.13E-05	0.001626
202902_s_at	CTSS	0.020191	0.000144	0.005648
200946_x_at	GLUD1	-0.01423	3.09E-07	0.000108
220186_s_at	CDHR2	-0.01335	0.001091	0.021973
205983_at	DPEP1	-0.02122	3.2E-05	0.002143
201034_at	ADD3	-0.01245	2.29E-06	0.000379
218392_x_at	SFXN1	-0.01183	2.62E-05	0.001876
222001_x_at	LOC728855	0.012164	1.68E-07	7.18E-05
201931_at	ETFA	-0.01599	4.34E-07	0.000131
200951_s_at	CCND2	0.013625	1.23E-05	0.001182
202447_at	DECR1	-0.01053	1.61E-06	0.000299
204588_s_at	SLC7A7	-0.01742	0.001338	0.025239
221004_s_at	ITM2C	0.023858	1.44E-06	0.000276
204528_s_at	NAP1L1	0.010023	7.94E-08	4.21E-05
205412_at	ACAT1	-0.01608	1.78E-05	0.001464
201012_at	ANXA1	0.026793	2.05E-06	0.00035
212456_at	KIAA0664	-0.00969	3.25E-05	0.00217
208885_at	LCP1	0.017014	0.000636	0.015061
203725_at	GADD45A	-0.01226	5.13E-05	0.002846
205760_s_at	OGG1	-0.01441	7.72E-05	0.003739
205673_s_at	ASB9	-0.01706	0.000121	0.00502
214681_at	GK	-0.01646	0.000417	0.011358
203924_at	GSTA1	-0.02823	1.6E-05	0.001406
203647_s_at	FDX1	-0.01497	1.38E-09	4.41E-06
204565_at	ACOT13	-0.01568	6.08E-06	0.000748
206840_at	AFM	-0.02521	0.000647	0.015176
215772_x_at	SUCLG2	-2.26E-02	1.14E-09	4.41E-06
204224_s_at	GCH1	-0.01926	1.74E-05	0.001455
212701_at	TLN2	-0.01589	0.00135	0.025436
213705_at	LOC100509558	-0.01011	3.69E-05	0.002297
203385_at	DGKA	0.029871	1E-06	0.000214
204118_at	CD48	0.02882	0.000116	0.004917

205896_at	SLC22A4	-0.01687	0.000378	0.010664
204137_at	GPR137B	-0.01886	1.46E-05	0.001325
219789_at	NPR3	-2.03E-02	9.72E-05	0.004338
220727_at	KCNK10	-0.01311	0.001743	0.030263
214389_at	SLC5A12	-0.02356	0.00054	0.013522
207444_at	SLC22A13	-0.01219	0.001971	0.032797
221210_s_at	NPL	-0.02453	4.97E-05	0.002787
201136_at	PLP2	0.023302	1.23E-06	0.000251
211465_x_at	FUT6	-0.0128	0.000518	0.013099
200807_s_at	HSPD1	-0.00897	3.04E-06	0.000458
203971_at	SLC31A1	-0.01321	3.6E-06	0.000511
214475_x_at	CAPN3	-0.0216	0.000198	0.00703
202590_s_at	PDK2	-0.01833	6.27E-05	0.003244
217973_at	DCXR	-0.02639	2.79E-07	0.000102
214434_at	HSPA12A	-0.01351	4.03E-05	0.00242
210343_s_at	SLC22A6	-0.02009	0.000583	0.014201
211231_x_at	CYP4A11	-0.02093	0.001009	0.020849
203814_s_at	NQO2	-0.02073	3.68E-05	0.002297
217235_x_at	IGLL5	0.02733	2.08E-05	0.001618
207407_x_at	CYP4A11	-0.01783	0.000428	0.011492
203474_at	IQGAP2	-0.0229	3.56E-07	0.000118
206469_x_at	AKR7A3	-0.02359	9.71E-06	0.00102
204142_at	ENOSF1	-0.01884	1.54E-06	0.000289
218960_at	TMPRSS4	0.020492	2.23E-06	0.000373
206514_s_at	CYP4F2	-0.0235	0.000283	0.008882
209623_at	MCCC2	-0.01541	2.39E-06	0.000386
204655_at	CCL5	0.022214	8.97E-06	0.000952
214170_x_at	FH	-0.0145	3.4E-08	2.32E-05
214776_x_at	XYLB	-0.01773	7.96E-05	0.003807
220740_s_at	SLC12A6	-0.00968	0.003286	0.046602
203929_s_at	MAPT	-0.01498	0.001207	0.023508
205488_at	GZMA	0.02574	5.42E-05	0.002932
220310_at	TUBAL3	-0.01799	0.001428	0.02638
217483_at	FOLH1	-1.50E-02	0.001336	0.025219
220604_x_at	FTCD	-0.01962	0.000489	0.012585
219054_at	C5orf23	-0.01698	0.000326	0.009737
205221_at	HGD	-0.01615	9.79E-06	0.001023
214231_s_at	KIAA0564	-0.0134	5.78E-05	0.003045
204606_at	CCL21	0.027844	8.72E-06	0.000934
201137_s_at	HLA-DPB1	0.027452	3.51E-06	0.000505
206515_at	CYP4F3	-0.0212	0.000409	0.01122
205798_at	IL7R	0.028523	4.74E-06	0.000618
205044_at	GABRP	0.014638	0.000613	0.014716
202957_at	HCLS1	0.020879	1.80E-04	0.006645
204232_at	FCER1G	0.021423	0.000419	0.011383
212459_x_at	SUCLG2	-0.02156	4.68E-09	6.67E-06
206492_at	FHIT	-0.01472	8.01E-05	0.003815
203860_at	PCCA	-0.00986	4.93E-05	0.002771
204705_x_at	ALDOB	-0.02263	0.000167	0.006326

210839_s_at	ENPP2	-0.01123	0.002829	0.042019
210852_s_at	AASS	-0.01198	1.1E-05	0.001092
213566_at	RNASE6	0.021932	2.78E-05	0.001939
211582_x_at	LST1	0.017536	0.000265	0.008493
207761_s_at	METTL7A	-0.00952	6.14E-05	0.003204
211303_x_at	FOLH1B	-0.01843	0.003604	0.049505
218596_at	TBC1D13	-0.01698	1.33E-05	0.001246
204780_s_at	FAS	0.017506	6.19E-06	0.000758
214470_at	KLRB1	0.0173	0.000196	0.007022
209550_at	NDN	0.012315	2.28E-05	0.001707
216223_at	CPN2	-0.01845	0.002719	0.040846
206710_s_at	EPB41L3	-0.01771	7.26E-06	0.000838
209671_x_at	TRAC	0.016777	0.000357	0.010283
210375_at	PTGER3	-0.02065	2.05E-05	0.001605
208369_s_at	GCDH	-0.01989	5.71E-06	0.000711
214763_at	ACOT11	-0.01596	6.28E-05	0.003244
205208_at	ALDH1L1	-0.02256	1.62E-06	0.000299
207134_x_at	TPSB2	0.016873	0.000176	0.006554
220671_at	CCRN4L	-0.02123	3.15E-06	0.000468
207339_s_at	LTB	0.017814	1.35E-05	0.001254
200768_s_at	MAT2A	-0.00906	0.000135	0.005387
207277_at	CD209	0.023347	1.78E-06	0.000317
211645_x_at		0.035489	2.36E-05	0.00173
210972_x_at	TRAC	0.02228	2.06E-05	0.001608
203775_at	SLC25A13	-0.01652	3.42E-05	0.002239
200644_at	MARCKSL1	0.018717	8.42E-07	0.000198
221648_s_at	LOC100507192	-0.01618	0.000671	0.015596
203416_at	CD53	0.025605	0.000201	0.007095
219176_at	C2orf47	-0.0119	1.62E-05	0.001406
211643_x_at	IGK@	0.034757	7.53E-06	0.000855
213264_at	PCBP2	-1.14E-02	4.27E-06	0.000572
218487_at	ALAD	-0.01372	0.000375	0.0106
200691_s_at	HSPA9	-0.01301	4.73E-06	0.000618
203476_at	TPBG	0.018716	1.61E-05	0.001406
207741_x_at	TPSAB1	0.018972	0.000299	0.009187
204388_s_at	MAOA	-0.02723	7.46E-07	0.00018
221627_at	TRIM10	-0.0169	0.000229	0.007731
212714_at	LARP4	-0.01346	2.26E-05	0.001707
209083_at	CORO1A	0.01883	6.21E-05	0.003229
201666_at	TIMP1	0.033119	2.5E-07	9.96E-05
202446_s_at	PLSCR1	0.013385	0.000121	0.005029
204057_at	IRF8	0.018149	3.48E-06	0.000505
214203_s_at	PRODH	-0.0199	5.59E-07	0.000157
209522_s_at	CRAT	-0.01629	0.000278	0.00879
213706_at	GPD1	-0.02112	0.001667	0.029373
211298_s_at	ALB	-0.03325	0.000222	0.007611
211902_x_at	TRD@	0.017431	3.86E-05	0.002361
202834_at	AGT	-0.01656	0.000738	0.016646
220061_at	ACSM5	-0.01688	0.001277	0.024497

206259_at	PROC	-0.01334	0.00357	0.049345
206094_x_at	UGT1A1	-0.01473	0.001958	0.032642
210944_s_at	CAPN3	-0.0193	0.000425	0.011444
206069_s_at	ACADL	-0.01947	1.78E-05	0.001464
206775_at	CUBN	-0.02007	0.003047	0.044344
204044_at	QPRT	-0.0186	5.18E-05	0.002848
216903_s_at	CBARA1	-0.01439	0.000116	0.004936
215784_at	CD1E	0.028379	4.36E-05	0.002548
204836_at	GLDC	-0.01708	3.48E-05	0.002247
205074_at	SLC22A5	-0.01162	0.003244	0.046272
202898_at	SDC3	0.013026	6.91E-05	0.003459
205498_at	GHR	-0.0192	2.63E-05	0.001878
204259_at	MMP7	0.028544	7.66E-06	0.00086
209612_s_at	ADH1B	0.022535	0.000731	0.016546
34210_at	CD52	0.035765	1.53E-05	0.001365
221058_s_at	CKLF	0.015019	1.18E-05	0.001155
206155_at	ABCC2	-0.01811	0.002022	0.033437
206119_at	BHMT	-0.01732	0.000619	0.014807
209249_s_at	GHITM	-0.01254	2.05E-06	0.00035
212906_at	GRAMD1B	-0.01594	0.000239	0.007936
217022_s_at	IGHA1	0.04601	1.63E-05	0.001416
211971_s_at	LRPPRC	-0.01238	6.84E-07	0.000171
203021_at	SLPI	0.033733	0.000126	0.005115
202920_at	ANK2	-0.01961	0.001313	0.024891
221305_s_at	UGT1A8	-0.02195	0.002186	0.035349
210834_s_at	PTGER3	-0.02626	3.92E-07	0.000126
200903_s_at	AHCY	-0.01577	0.000315	0.009538
207238_s_at	PTPRC	0.027771	5.16E-05	0.002847
216438_s_at	TMSB4X	0.014857	0.000118	0.004965
205892_s_at	FABP1	-0.02814	0.000766	0.01711
211366_x_at	CASP1	1.52E-02	0.000115	0.004917
200978_at	MDH1	-0.01491	9.88E-07	0.000214
213037_x_at	STAU1	-0.00945	0.000244	0.008012
204502_at	SAMHD1	0.020089	0.000174	0.006486
218245_at	TSKU	-0.01115	0.001985	0.032999
204143_s_at	ENOSF1	-0.01556	3.43E-05	0.002239
211917_s_at	PRLR	-0.01971	1.69E-05	0.001438
206065_s_at	DPYS	-0.01788	0.000987	0.02055
210987_x_at	TPM1	0.01418	6.62E-06	0.000784
216708_x_at	LOC100287927	0.022044	0.000127	0.005115
210831_s_at	PTGER3	-0.01736	1.29E-05	0.001223
203158_s_at	GLS	-0.01462	2.53E-05	0.00182
217148_x_at		0.031544	9.31E-05	0.004208
212432_at	GRPEL1	-0.01178	6.94E-05	0.003466
216092_s_at	SLC7A8	-0.02184	0.000144	0.00564
214777_at	IGKV4-1	0.023412	0.000125	0.005089
204348_s_at	AK4	-0.01369	0.00025	0.008146
220753_s_at	CRYL1	-0.01828	4.56E-05	0.002639
202053_s_at	ALDH3A2	-0.01236	0.000572	0.01406

208747_s_at	C1S	0.025919	1.75E-06	0.000317
218597_s_at	CISD1	-0.01071	2.37E-07	9.61E-05
216452_at	TRPM3	-1.61E-02	7.68E-06	0.00086
206296_x_at	MAP4K1	0.01525	0.000241	0.007957
214999_s_at	RAB11FIP3	-0.0247	0.000195	0.00701
207017_at	RAB27B	0.010713	0.000597	0.014409
207981_s_at	ESRRG	-0.01598	1.72E-05	0.001448
208690_s_at	PDLIM1	0.020678	1.07E-06	0.000226
206527_at	ABAT	-0.02069	0.000372	0.01055
205214_at	STK17B	0.018981	2.01E-05	0.001585
206500_s_at	C14orf106	0.017908	2.29E-05	0.001707
205012_s_at	HAGH	-0.01572	3.44E-05	0.00224
213967_at	RALYL	-0.02285	0.000502	0.012819
213975_s_at	LYZ	0.023126	0.002671	0.040286
216733_s_at	GATM	-0.01544	0.000111	0.004814
202598_at	S100A13	0.018085	4.22E-06	0.000572
207126_x_at	UGT1A1	-0.01368	0.002469	0.038103
202437_s_at	CYP1B1	0.020307	3.97E-05	0.0024
205683_x_at	TPSAB1	0.014059	0.003707	0.049961
205442_at	MFAP3L	-0.0163	2.58E-06	0.00041
216962_at	RPAIN	-0.01346	1.76E-06	0.000317
217257_at	SH3BP2	-0.01653	5.41E-05	0.002932
212883_at	APOE	-2.78E-02	5.5E-05	0.002935
38149_at	ARHGAP25	0.024974	2.79E-06	0.000433
209827_s_at	IL16	0.016595	0.000485	0.012535
214916_x_at	IGHA1	0.019421	0.000999	0.020702
208816_x_at	ANXA2P2	0.013642	2.95E-05	0.00202
209309_at	AZGP1	-0.02222	0.001482	0.027059
206726_at	HPGDS	0.016908	0.000862	0.018615
203851_at	IGFBP6	0.02061	6.79E-05	0.003434
220357_s_at	SGK2	-1.77E-02	4.34E-09	6.67E-06
210751_s_at	RGN	-0.01824	1.78E-05	0.001464
216638_s_at	PRLR	-0.02385	3.84E-05	0.002361
206978_at	CCR2	0.014807	0.001158	0.022823
206325_at	SERPINA6	-0.01976	0.001304	0.024823
213864_s_at	NAP1L1	0.007928	5.92E-05	0.0031
202748_at	GBP2	0.022268	7.52E-06	0.000855
203423_at	RBP1	0.014668	0.000218	0.007512
205987_at	CD1C	0.027458	1.79E-05	0.001467
214022_s_at	IFITM1	0.0243	3.59E-05	0.002293
212510_at	GPD1L	-0.01526	6.78E-07	0.000171
217157_x_at	IGK@	0.024366	7.77E-05	0.003748
216365_x_at	IGLV3-19	0.012001	0.000432	0.011543
216207_x_at	IGKC	0.028215	0.000121	0.00502
207142_at	KCNJ3	-0.02132	6.96E-07	0.000172
215125_s_at	UGT1A1	-0.01383	0.002342	0.036983
203546_at	IPO13	-0.01391	3.00E-05	0.002042
219268_at	ETNK2	-0.01748	0.000172	0.006438
201668_x_at	MARCKS	0.011477	0.000346	0.010103



206011_at	CASP1	0.017873	0.000458	0.012051
209685_s_at	PRKCB	0.0182	8.66E-05	0.004044
210374_x_at	PTGER3	-0.01466	0.000117	0.004965
200657_at	SLC25A5	-0.01033	2.59E-06	0.00041
215785_s_at	CYFIP2	-0.01533	4.24E-05	0.002505
219215_s_at	SLC39A4	-0.01406	0.001612	0.028583
214574_x_at	LST1	0.016548	0.001649	0.02914
215217_at	IGKC	4.43E-02	5.2E-05	0.002852
215210_s_at	DLST	-0.01372	4.77E-06	0.000618
205175_s_at	KHK	-0.01365	0.002445	0.037976
211644_x_at	IGK@	0.042647	2.41E-05	0.001756
216576_x_at	IGK@	0.033055	0.000212	0.007367
212231_at	FBXO21	-0.01034	0.000481	0.012475
215646_s_at	VCAN	0.037108	7.91E-05	0.003789
213140_s_at	SS18L1	-0.01107	0.00119	0.023314
209493_at	PDZD2	-0.01697	0.000614	0.014716
212588_at	PTPRC	0.019762	0.000328	0.009752
208948_s_at	STAU1	-0.0106	0.000421	0.011421
210072_at	CCL19	0.026469	0.000267	0.008524
221870_at	EHD2	0.018795	8.54E-05	0.004012
212911_at	DNAJC16	-0.01198	0.001135	0.022481
202784_s_at	NNT	-0.01254	2.33E-05	0.001716
212656_at	TSMF	-0.01296	1.9E-06	0.000331
201279_s_at	DAB2	-0.00979	0.001568	0.027975
210031_at	CD247	0.011327	0.000334	0.009836
204620_s_at	VCAN	0.029658	1.67E-05	0.001423
212592_at	IGJ	0.04005	6.76E-05	0.003429
207705_s_at	NINL	-0.01577	2.02E-05	0.001588
209897_s_at	SLIT2	-0.01389	0.000122	0.005029
212503_s_at	DIP2C	-0.01422	0.000603	0.014494
204174_at	ALOX5AP	0.020708	0.000727	0.016529
218275_at	SLC25A10	-0.01483	7.79E-06	0.000868
220642_x_at	GPR89A	-0.01181	0.001505	0.027366
221679_s_at	ABHD6	-0.02062	0.000421	0.011419
206704_at	CLCN5	-0.01418	2.31E-05	0.001707
207184_at	SLC6A13	-0.01148	0.001843	0.031357
211597_s_at	HOPX	0.022407	0.000971	0.020325
210451_at	PKLR	-0.02134	0.000267	0.008526
214321_at	NOV	0.019067	5.57E-05	0.002953
207387_s_at	GK	-0.01585	0.000159	0.006078
211368_s_at	CASP1	0.018863	0.000525	0.01323
213503_x_at	ANXA2	0.017831	2.12E-05	0.001625
212230_at	PPAP2B	-0.01185	5.6E-05	0.002963
219543_at	PBLD	-0.0116	0.00014	0.005513
218931_at	RAB17	-0.0115	3.76E-05	0.002336
38158_at	ESPL1	-0.01187	0.000323	0.009702
215176_x_at	IGK@	0.045299	1.93E-05	0.00155
204319_s_at	RGS10	0.014503	0.000348	0.010113
204959_at	MNDA	0.018003	0.003377	0.047497

214490_at	ARSF	-0.01404	0.001898	0.031957
201242_s_at	ATP1B1	-0.01492	4.16E-07	0.000131
202746_at	ITM2A	0.018968	1.86E-05	0.001511
206535_at	SLC2A2	-0.01904	0.002952	0.04332
213133_s_at	GCSH	-0.01337	6.68E-06	0.000784
213539_at	CD3D	0.021813	0.000122	0.005029
202830_s_at	SLC37A4	-0.01114	0.003629	0.049598
206846_s_at	HDAC6	-0.01614	0.00024	0.007944
207320_x_at	STAU1	-0.00879	0.000771	0.017178
217028_at	CXCR4	0.028174	2.33E-05	0.001716
205039_s_at	IKZF1	0.016182	0.000422	0.011428
212908_at	DNAJC16	-0.02246	0.000333	0.009836
201670_s_at	MARCKS	0.014079	0.000131	0.005236
209624_s_at	MCCC2	-0.01381	2.67E-05	0.001889
215382_x_at	LOC100507804	0.016915	0.000855	0.018504
210786_s_at	FLI1	0.014997	1.61E-05	0.001406
203033_x_at	FH	-0.01136	1.27E-05	0.001211
213626_at	CBR4	-0.01027	0.000106	0.004682
218546_at	C1orf115	-0.01054	0.001494	0.027237
203178_at	GATM	-0.01506	0.000647	0.015176
209301_at	CA2	-0.01853	2.11E-05	0.001623
211999_at	H3F3B	0.006688	0.000174	0.006486
210399_x_at	FUT6	-0.01129	0.000434	0.011574
218661_at	NAT15	-1.32E-02	0.000481	0.012475
205343_at	SULT1C2	-0.01449	2.64E-07	0.000101
201347_x_at	GRHPR	-0.01369	0.000587	0.014271
204037_at	LPAR1	0.018945	0.000202	0.007111
209696_at	FBP1	-0.01926	0.000479	0.012444
204116_at	IL2RG	0.024135	8.76E-05	0.004067
207275_s_at	ACSL1	-0.01516	0.001045	0.021402
219607_s_at	MS4A4A	0.024313	5.47E-05	0.002935
202733_at	P4HA2	-0.01254	0.002327	0.036902
218870_at	ARHGAP15	0.023727	0.000222	0.007611
210825_s_at	PEBP1	-0.00685	6.26E-06	0.000762
214973_x_at	IGHD	0.030045	7.44E-05	0.003656
211641_x_at	IGHA1	0.016737	0.000374	0.010599
207076_s_at	ASS1	-0.01575	0.001896	0.031955
212465_at	SETD3	-0.00851	0.000459	0.012066
207567_at	SLC13A2	-0.01709	0.000123	0.005049
211571_s_at	VCAN	0.030526	0.000289	0.009014
208678_at	ATP6V1E1	-0.00664	0.000168	0.006354
213440_at	RAB1A	-0.0083	0.000177	0.006554
209835_x_at	CD44	0.024194	5.14E-05	0.002846
202614_at	SLC30A9	-0.00838	1.04E-05	0.001064
202960_s_at	MUT	-0.01368	7.91E-06	0.000872
206925_at	ST8SIA4	0.015007	0.000145	0.005658
210757_x_at	DAB2	-0.00971	0.001309	0.024851
205291_at	IL2RB	0.01468	3.9E-05	0.002366
213332_at	PAPPA2	0.024262	1.07E-05	0.001079

219307_at	PDSS2	-1.10E-02	0.000305	0.009286
209094_at	DDAH1	-0.00815	0.000125	0.005099
201891_s_at	B2M	0.007455	0.000318	0.009607
217966_s_at	FAM129A	0.020695	4.98E-05	0.002787
218656_s_at	LHFP	0.015779	0.00169	0.029689
217512_at	KNG1	-0.02318	3.78E-05	0.002338
205329_s_at	SNX4	-0.00726	7.89E-05	0.003788
215388_s_at	CFH	0.025553	9.84E-06	0.001025
215966_x_at	GK3P	-0.01679	0.000855	0.018504
214456_x_at	SAA1	0.012968	0.002724	0.040871
206068_s_at	ACADL	-0.01122	0.002951	0.04332
218699_at	RAB7L1	-1.28E-02	0.002025	0.033437
217138_x_at		0.043064	0.000122	0.005029
212874_at	APOE	-0.01537	0.000196	0.007022
216318_at	IGHA1	0.015982	8.93E-05	0.004091
203671_at	TPMT	-0.00966	0.003206	0.046016
212568_s_at	DLAT	-0.01707	7.31E-06	0.000839
201035_s_at	HADH	-0.02014	9.46E-06	0.000999
203471_s_at	PLEK	0.019624	6.41E-05	0.003296
214181_x_at	LST1	0.017146	0.001273	0.024439
214696_at	C17orf91	-0.01387	0.000285	0.008914
200793_s_at	ACO2	-0.02305	1.19E-05	0.001155
214864_s_at	GRHPR	-0.01203	0.000332	0.009836
204774_at	EVI2A	0.022326	0.000619	0.014807
216542_x_at	IGHA1	0.027743	0.000103	0.004567
202825_at	SLC25A4	-0.01432	2.91E-07	0.000103
202217_at	C21orf33	-0.01603	4.1E-05	0.002451
218025_s_at	PECI	-1.47E-02	8.8E-05	0.004077
204347_at	AK4	-0.01665	0.000642	0.015156
216565_x_at		0.018277	4.44E-06	0.000593
211742_s_at	EVI2B	0.021926	0.000279	0.008824
215719_x_at	FAS	0.02143	2.35E-06	0.000381
211919_s_at	CXCR4	0.026607	0.000166	0.006279
201590_x_at	ANXA2	0.019276	2.46E-05	0.001778
216224_s_at	HDAC6	-0.01066	0.000188	0.006833
211430_s_at	IGHG1	0.04648	5.04E-05	0.002807
221041_s_at	SLC17A5	-0.00976	0.003309	0.046858
204829_s_at	FOLR2	0.02115	1.48E-05	0.001333
207497_s_at	MS4A2	1.25E-02	0.001566	0.027946
203645_s_at	CD163	0.018011	0.000728	0.016541
205882_x_at	ADD3	-0.01011	0.00038	0.010701
217260_x_at	IGHG1	0.02764	0.000204	0.007168
212175_s_at	AK2	-0.01184	8.75E-06	0.000934
205939_at	CYP3A7	-0.02062	0.000363	0.010375
204661_at	CD52	0.029233	0.00025	0.008146
210427_x_at	ANXA2	0.017723	3.33E-05	0.002199
214768_x_at	IGKV1-5	0.024092	0.000844	0.01835
203208_s_at	MTRF1	-0.01216	0.000151	0.005854
217378_x_at		0.027555	0.000215	0.007444

201939_at	PLK2	0.01742	3.73E-06	0.000522
203402_at	KCNAB2	-0.01032	0.003596	0.049478
219243_at	GIMAP4	0.015067	0.000205	0.007169
212587_s_at	PTPRC	0.029913	3.58E-05	0.002293
218322_s_at	ACSL5	0.014394	2.77E-08	2.06E-05
209686_at	S100B	0.014124	5.01E-05	0.002794
217772_s_at	MTCH2	-0.01231	1.71E-05	0.001444
202890_at	MAP7	-0.01281	7.67E-05	0.003724
203256_at	CDH3	0.01699	0.000233	0.007812
206363_at	MAF	-0.01511	0.000774	0.017211
203922_s_at	CYBB	0.018516	0.001473	0.026977
218272_at	TTC38	-0.01314	0.000443	0.011753
206366_x_at	XCL1	0.012492	0.001828	0.031223
221891_x_at	HSPA8	-0.00429	0.000957	0.020132
202295_s_at	CTSH	-0.00976	0.002646	0.039986
212470_at	SPAG9	-0.01072	0.000108	0.004751
214453_s_at	IFI44	0.017708	0.000272	0.008647
207544_s_at	ADH6	-0.01684	0.003692	0.049934
208950_s_at	ALDH7A1	-0.01189	0.001222	0.02371
201720_s_at	LAPTM5	0.017459	0.002059	0.033918
208296_x_at	TNFAIP8	0.01587	2.08E-05	0.001618
218285_s_at	BDH2	-0.01166	3.87E-05	0.002364
222271_at		0.022812	2.19E-06	0.00037
215633_x_at	LST1	0.012651	0.002855	0.042309
217752_s_at	CNDP2	-0.00717	0.00071	0.016253
209368_at	EPHX2	-0.01905	0.000111	0.004803
201714_at	TUBG1	-0.01304	0.001357	0.025438
217248_s_at	SLC7A8	-0.02245	0.002942	0.04326
203221_at	TLE1	0.015831	0.000118	0.004965
201426_s_at	VIM	0.016689	0.000131	0.005223
216557_x_at	IGHA1	0.027397	0.000577	0.014097
211734_s_at	FCER1A	0.025082	0.000411	0.01125
202502_at	ACADM	-0.0184	4.78E-05	0.002719
216984_x_at	IGLV2-23	0.018616	0.000418	0.011382
201721_s_at	LAPTM5	0.020134	0.001227	0.023788
201313_at	ENO2	0.024162	3.5E-06	0.000505
218511_s_at	PNPO	-0.01898	3.56E-06	0.000509
203979_at	CYP27A1	-0.0093	0.003497	0.048561
222020_s_at	NTM	0.016735	0.000621	0.014823
205890_s_at	GABBR1	0.014506	0.001082	0.021881
213724_s_at	PDK2	-0.01802	0.000629	0.014952
203672_x_at	TPMT	-0.00815	0.000342	0.01001
202889_x_at	MAP7	-0.01529	0.000131	0.005223
218552_at	ECHDC2	-0.0128	4.81E-05	0.002724
216853_x_at	IGLV3-19	0.013871	0.000682	0.015748
204264_at	CPT2	-0.00945	0.002435	0.03793
221731_x_at	VCAN	0.031793	4.73E-05	0.002692
212681_at	EPB41L3	-0.01926	1.14E-06	0.000238
203543_s_at	KLF9	-0.01669	0.000372	0.01055

204304_s_at	PROM1	0.03537	1.49E-07	6.52E-05
208997_s_at	UCP2	0.018843	0.000623	0.014854
208813_at	GOT1	-0.01367	6.91E-05	0.003459
202752_x_at	SLC7A8	-0.02496	0.000246	0.008033
204951_at	RHOH	0.01609	0.002539	0.038965
204490_s_at	CD44	0.022639	0.000164	0.006221
204971_at	CSTA	0.018505	0.00155	0.027821
215121_x_at	IGLC7	0.037391	0.000121	0.00502
52940_at	LOC100294402	-0.01474	0.000348	0.010106
213738_s_at	ATP5A1	-0.00954	7.51E-05	0.003687
209201_x_at	CXCR4	0.026544	0.000231	0.007745
203923_s_at	CYBB	0.015842	0.002161	0.035087
210260_s_at	TNFAIP8	0.016111	3.02E-05	0.002051
201391_at	TRAP1	-0.01243	1.19E-05	0.001155
213002_at	MARCKS	0.013751	0.00023	0.007745
213501_at	ACOX1	-0.01642	7.56E-05	0.0037
217503_at	STK17B	0.019899	0.000325	0.009727
217127_at	CTH	-0.02056	2.43E-05	0.001765
204824_at	ENDOG	-0.01299	4.32E-05	0.00254
202266_at	TDP2	-0.01649	7.05E-06	0.000818
204882_at	ARHGAP25	0.021707	1.13E-05	0.001112
212203_x_at	IFITM3	0.019334	0.000222	0.007611
206089_at	NELL1	-0.01509	0.002466	0.038097
201425_at	ALDH2	-0.0134	2.24E-06	0.000373
219840_s_at	TCL6	-0.01331	0.001794	0.030879
211615_s_at	LRPPRC	-0.01235	2.96E-05	0.00202
201968_s_at	PGM1	-0.01006	0.00051	0.012963
206991_s_at	CCR5	0.016011	0.000177	0.006562
209138_x_at	IGL@	0.041532	8.84E-05	0.00408
216866_s_at	COL14A1	0.016427	0.001902	0.031961
216865_at	COL14A1	0.015221	0.000619	0.014807
205448_s_at	MAP3K12	-0.01111	0.000719	0.016404
210390_s_at	CCL14-CCL15	-0.01833	0.001864	0.03157
203157_s_at	GLS	-0.0135	0.000625	0.014887
32091_at	SLC25A44	-0.0096	0.000889	0.019035
213564_x_at	LDHB	-0.00638	3.17E-05	0.002131
216308_x_at	GRHPR	-0.01287	0.000896	0.019145
217281_x_at	IGHA1	0.026317	0.000333	0.009836
213454_at	APITD1	-0.01412	4.13E-05	0.00246
201030_x_at	LDHB	-0.00661	6.9E-05	0.003459
214669_x_at	IGKC	0.036344	0.000121	0.00502
211881_x_at	IGLJ3	0.021015	0.000351	0.010163
201848_s_at	BNIP3	-0.01399	2.82E-06	0.000433
215049_x_at	CD163	0.017773	0.001902	0.031961
202923_s_at	GCLC	-0.01597	2.3E-05	0.001707
212014_x_at	CD44	0.02165	2.72E-05	0.001909
201432_at	CAT	-0.01212	0.000295	0.009127
220951_s_at	A1CF	-0.01835	0.003621	0.049573
219191_s_at	BIN2	1.12E-02	0.0031	0.044899

210986_s_at	TPM1	0.016817	8.51E-06	0.000929
220303_at	PDZD3	-0.01186	0.001407	0.026125
221875_x_at	HLA-F	0.015937	5.46E-05	0.002935
205786_s_at	ITGAM	0.023036	1.66E-05	0.001421
204220_at	GMFG	0.022472	8.91E-05	0.004091
206263_at	FMO4	-0.01458	0.000589	0.014284
207211_at	USP2	-0.02088	0.000395	0.01098
203913_s_at	HPGD	-0.02687	6.5E-06	0.000779
201667_at	GJA1	0.020754	7.43E-05	0.003656
206952_at	G6PC	-0.02215	0.002698	0.040605
213813_x_at		-0.00709	0.000461	0.012093
216489_at	TRPM3	-0.01487	0.001508	0.02737
211075_s_at	CD47	0.012943	0.000226	0.007678
209670_at	TRAC	0.012283	0.000423	0.011428
209708_at	MOXD1	0.025859	0.000182	0.006664
203682_s_at	IVD	-0.01595	2.27E-05	0.001707
213524_s_at	G0S2	-0.01471	1.03E-05	0.00106
213293_s_at	TRIM22	0.015323	0.001361	0.025465
211794_at	FYB	0.0186	0.00023	0.007745
202772_at	HMGCL	-0.01535	1.91E-05	0.001534
214268_s_at	MTMR4	-0.00865	0.003667	0.049878
204489_s_at	CD44	0.025266	0.000354	0.010229
218976_at	DNAJC12	-0.01559	0.001735	0.030161
210754_s_at	LYN	0.014626	0.000382	0.010746
211633_x_at		0.01827	0.000511	0.012979
211640_x_at	IGHG1	0.018008	0.000602	0.014493
216609_at	TXN	-0.01131	2.09E-05	0.001619
209970_x_at	CASP1	0.014439	0.003662	0.049831
202307_s_at	TAP1	0.015353	8.72E-06	0.000934
211843_x_at	CYP3A7	-0.01681	0.001059	0.021572
218084_x_at	FXDY5	0.019188	0.001067	0.021705
221675_s_at	CHPT1	-0.01291	0.000231	0.007746
209513_s_at	HSDL2	-0.01263	3.27E-05	0.002172
207571_x_at	C1orf38	0.014111	0.000493	0.012678
217036_at		0.017002	0.000328	0.009752
213365_at	ERI2	-0.01404	8.86E-05	0.00408
218700_s_at	RAB7L1	-0.01604	0.000936	0.019809
211798_x_at	IGLJ3	0.018629	0.001361	0.025465
221524_s_at	RRAGD	-0.01687	3.51E-07	0.000118
211918_x_at	PAPPA2	0.02304	0.000193	0.006967
201695_s_at	PNP	-0.01826	0.000123	0.00505
209248_at	GHITM	-0.00846	2.85E-06	0.000435
214332_s_at	TSFM	-0.01309	0.000194	0.006999
216604_s_at	SLC7A8	-0.02022	0.000904	0.019251
207018_s_at	RAB27B	0.012913	0.000585	0.014255
203761_at	SLA	0.016744	0.000835	0.018181
211005_at	LAT	0.017992	0.000285	0.008914
204385_at	KYNU	-0.01529	0.002431	0.037897
209563_x_at	CALM1	-0.00538	0.000911	0.019371

213587_s_at	ATP6V0E2	-0.01774	1.43E-05	0.001311
211367_s_at	CASP1	0.018874	0.000336	0.009864
216179_x_at		-0.01019	0.00126	0.024264
212531_at	LCN2	0.019803	0.001506	0.027366
210140_at	CST7	0.018629	0.000341	0.010002
217967_s_at	FAM129A	0.017012	0.000148	0.005781
219113_x_at	HSD17B14	-0.01261	0.001479	0.027033
202862_at	FAH	-0.01721	0.000876	0.018814
209614_at	ADH1B	0.014604	0.001725	0.030041
206024_at	HPD	-0.02988	0.000894	0.019107
218684_at	LRRC8D	-1.04E-02	0.000403	0.01114
209514_s_at	RAB27A	0.01625	0.000559	0.013841
209576_at	GNAI1	0.016629	5.16E-05	0.002847
201926_s_at	CD55	0.016541	1.44E-05	0.001312
209646_x_at	ALDH1B1	-0.00952	0.000228	0.007713
218194_at	REXO2	-0.00907	5.4E-05	0.002932
206584_at	LY96	0.022595	0.000397	0.011011
204294_at	AMT	-0.01194	0.000488	0.012574
201739_at	SGK1	-0.01009	0.000638	0.015076
221601_s_at	FAIM3	0.020461	4.43E-05	0.002575
214000_s_at	RGS10	0.02021	0.0003	0.009212
202783_at	NNT	-0.01453	0.000238	0.007921
217167_x_at	GK	-0.01578	0.002735	0.040928
201319_at	MYL12A	0.00583	0.001133	0.022453
206983_at	CCR6	0.014914	4.67E-05	0.002687
203500_at	GCDH	-0.01309	0.001306	0.024828
219554_at	RHCG	-0.021	0.000393	0.010949
218455_at	NFS1	-0.01139	0.000103	0.004571
208998_at	UCP2	0.016314	0.001676	0.029522
40273_at	SPHK2	-0.01164	0.003016	0.044028
210045_at	IDH2	-0.02057	0.000182	0.006664
215783_s_at	ALPL	-0.01581	0.001698	0.029746
209732_at	CLEC2B	0.020547	0.00073	0.016546
213113_s_at	SLC43A3	0.0113	0.000393	0.010949
214307_at	HGD	-0.01299	0.00011	0.004803
221006_s_at	SNX27	-0.01101	0.003275	0.046534
217251_x_at		0.027057	0.000468	0.012239
211795_s_at	FYB	0.014326	0.00211	0.034463
221666_s_at	PYCARD	0.015425	0.000432	0.011543
204328_at	TMC6	0.013372	7.81E-05	0.003758
203663_s_at	COX5A	-0.00926	6.69E-06	0.000784
217480_x_at	IGKC	0.023128	0.000442	0.011732
218182_s_at	CLDN1	0.027381	3.31E-06	0.000488
212382_at	TCF4	0.021211	1.39E-05	0.001288
203608_at	ALDH5A1	-0.0183	0.000424	0.011444
210992_x_at	FCGR2C	9.25E-03	0.003628	0.049598
209757_s_at	MYCN	-0.01752	0.000366	0.010442
217014_s_at	AZGP1	-0.02377	0.002306	0.036697
200872_at	S100A10	0.012241	0.000142	0.005581

204041_at	MAOB	-0.01119	0.002873	0.042474
211470_s_at	SULT1C2	-0.01453	4.76E-06	0.000618
204222_s_at	GLIPR1	0.014838	0.002209	0.035548
217977_at	SEPX1	-0.01478	0.001768	0.030605
204476_s_at	PC	-0.01273	0.000475	0.012379
212067_s_at	C1R	0.02104	7.59E-06	0.000859
211549_s_at	HPGD	-0.01447	2.64E-05	0.001878
202242_at	TSPAN7	-0.01144	0.001526	0.027545
207141_s_at	KCNJ3	-0.01712	6.63E-05	0.003386
217238_s_at	ALDOB	-0.01842	0.0018	0.030894
205988_at	CD84	0.010318	0.001324	0.025074
213377_x_at	RPS12	0.008054	0.000486	0.012535
214677_x_at	IGLV1-44	0.043516	9.56E-05	0.004278
204785_x_at	IFNAR2	0.011379	0.000222	0.007613
217733_s_at	TMSB10	0.01993	0.000171	0.006411
201752_s_at	ADD3	-0.00902	0.000793	0.017519
218632_at	HECTD3	-0.00779	0.001046	0.021402
203508_at	TNFRSF1B	0.013028	0.000545	0.013568
211755_s_at	ATP5F1	-0.01015	1.17E-06	0.000242
216252_x_at	FAS	0.018196	1.28E-05	0.001223
209966_x_at	ESRRG	-0.01155	0.001689	0.029689
215379_x_at	IGLC7	0.032959	0.000322	0.009698
203438_at	STC2	-0.01621	0.001947	0.032544
204038_s_at	LPAR1	0.021191	3.19E-05	0.002138
44790_s_at	C13orf18	0.022179	0.000256	0.008302
204447_at	ProSAPiP1	-0.01087	0.003291	0.046636
205676_at	CYP27B1	-0.02327	0.00343	0.048025
219014_at	PLAC8	0.021777	0.000293	0.009068
204389_at	MAOA	-0.02069	8.63E-05	0.004039
201315_x_at	IFITM2	0.023573	0.000116	0.004917
201849_at	BNIP3	-0.01467	1.05E-05	0.001065
202196_s_at	DKK3	0.018755	2.82E-06	0.000433
212683_at	SLC25A44	-0.00907	0.002515	0.038722
210947_s_at	MSH3	-0.0103	0.002588	0.039509
210116_at	SH2D1A	0.018745	0.00124	0.023981
216401_x_at		0.019145	0.001059	0.021572
206385_s_at	ANK3	-0.00797	0.000499	0.012767
216491_x_at	IGHM	2.65E-02	0.001775	0.030671
217767_at	C3	0.022524	0.001557	0.027879
208012_x_at	SP110	0.011372	0.000686	0.015815
218716_x_at	MTO1	-0.01042	0.000207	0.007239
220723_s_at	CWH43	-0.01753	0.001215	0.023616
201601_x_at	IFITM1	0.020646	0.000186	0.006764
203039_s_at	NDUFS1	-0.01616	8.76E-06	0.000934
210356_x_at	MS4A1	0.021999	0.002334	0.036972
216852_x_at	IGL@	0.015966	0.001853	0.03146
204501_at	NOV	0.011506	0.000111	0.004803
201645_at	TNC	0.021872	7.66E-05	0.003724
212967_x_at	NAP1L1	0.008326	0.00016	0.006119



221256_s_at	HDHD3	-0.02042	0.000102	0.004554
215036_at		0.014604	0.003653	0.049798
201719_s_at	EPB41L2	0.016476	5.17E-06	0.000658
211991_s_at	HLA-DPA1	0.021536	0.000573	0.014065
220002_at	KIF26B	0.011924	3.46E-05	0.002241
217762_s_at	RAB31	0.012256	0.003688	0.049934
203186_s_at	S100A4	0.021489	0.00017	0.00639
203609_s_at	ALDH5A1	-0.01516	3.68E-05	0.002297
201415_at	GSS	-0.01233	2.8E-05	0.001943
216024_at	DNM2	-0.00784	0.002691	0.040527
210951_x_at	RAB27A	0.014617	0.003354	0.047198
206600_s_at	SLC16A5	0.013162	0.000695	0.015961
207044_at	THRБ	-0.01059	0.000258	0.008322
204698_at	ISG20	0.019784	0.000153	0.005925
221656_s_at	ARHGEF10L	-0.00844	0.001212	0.023578
203964_at	NMI	0.009728	0.002709	0.040753
202803_s_at	ITGB2	0.018587	0.000213	0.007376
209992_at	PFKFB2	-0.02082	8.86E-05	0.00408
218099_at	TEX2	-0.01096	0.000686	0.015815
202435_s_at	CYP1B1	0.017536	0.000176	0.006554
214836_x_at	IGK@	0.02903	0.000352	0.010175
204846_at	CP	0.019869	0.001892	0.031929
219722_s_at	GDPD3	-0.01567	0.001334	0.025204
215471_s_at	MAP7	-0.01509	0.000156	0.006021
220554_at	SLC22A7	-0.0116	0.001662	0.029307
211002_s_at	TRIM29	0.009031	0.002918	0.042964
220376_at	LRRС19	-0.01523	0.001882	0.031811
202026_at	SDHD	-0.0178	4.74E-07	0.000137
217984_at	RNASET2	0.011255	0.000815	0.017883
210785_s_at	C1orf38	0.013416	0.000993	0.020638
203791_at	DMXL1	-0.01196	2.85E-05	0.001957
219632_s_at	TRPV1	-0.01076	0.003662	0.049831
205353_s_at	PEBP1	-0.00981	0.00032	0.009657
205234_at	SLC16A4	-0.01121	0.001264	0.024304
205231_s_at	EPM2A	-0.01181	0.001425	0.026364
211864_s_at	MYOF	0.013504	0.00154	0.027735
219103_at	ASAP3	-0.0178	1.3E-05	0.00123
205512_s_at	AIFM1	-0.0135	0.002262	0.036179
203042_at	LAMP2	-0.01319	0.000986	0.02055
211505_s_at	STAU1	-0.01505	0.000735	0.016612
217583_at	PAH	-0.01855	0.002463	0.03808
208383_s_at	PCK1	-0.02037	0.000335	0.009848
206545_at	CD28	0.014215	0.000178	0.006593
202087_s_at	CTSL1	-0.00874	0.001119	0.02236
204279_at	PSMB9	0.022163	1.89E-05	0.001531
204436_at	PLEKHO2	0.010408	0.001052	0.021485
216510_x_at	IGHA1	0.022909	0.000592	0.014338
201619_at	PRDX3	-0.01132	6.98E-06	0.000814
203594_at	RTCD1	-0.00968	0.000242	0.007968

211650_x_at	IGHA1	0.020721	0.002204	0.035529
201007_at	HADHB	-0.00927	7.33E-05	0.00363
33304_at	ISG20	0.016351	0.00087	0.018742
209003_at	SLC25A11	-0.01492	2.31E-05	0.001707
212387_at	TCF4	0.016277	3.97E-05	0.0024
218921_at	SIGIRR	-0.01182	0.000763	0.01709
220999_s_at	CYFIP2	-0.01394	8.72E-05	0.004064
209916_at	DHTKD1	-0.02116	0.000839	0.018263
211986_at	AHNAK	0.013423	0.000201	0.0071
207709_at	PRKAA2	-0.01011	9.39E-05	0.004225
210916_s_at	CD44	0.024358	0.000404	0.011151
205267_at	POU2AF1	0.029579	0.000265	0.008493
221981_s_at	WDR59	-0.01129	0.003491	0.04851
220773_s_at	GPHN	-0.01603	0.001386	0.025825
221651_x_at	IGK@	0.038341	0.000198	0.007046
212063_at	CD44	0.023529	0.000665	0.015519
213801_x_at	RPSA	0.007815	0.000439	0.011658
205159_at	CSF2RB	0.019337	0.000353	0.010197
217911_s_at	BAG3	-0.01632	0.000259	0.008347
204067_at	SUOX	-0.01642	5.29E-05	0.002883
202207_at	ARL4C	0.028688	3.81E-05	0.002348
201489_at	PPIF	-0.01074	2.47E-05	0.001781
221932_s_at	GLRX5	-0.01138	6.39E-06	0.000769
209833_at	CRADD	-0.01115	5.7E-05	0.003008
200632_s_at	NDRG1	-0.00699	3.58E-03	0.049424
214424_s_at	ALDOB	-0.02743	0.002113	0.03448
206116_s_at	TPM1	0.011928	0.000112	0.004842
207007_at	NR1I3	-0.01899	0.000138	0.005484
203779_s_at	MPZL2	0.013412	0.000412	0.011251
202949_s_at	FHL2	0.021283	1.21E-05	0.001171
221572_s_at	SLC26A6	-0.01186	0.000298	0.009187
201858_s_at	SRGN	0.02344	0.000194	0.006999
217258_x_at	IGLV1-40	0.013854	0.002431	0.037897
212646_at	RFTN1	0.013805	5.92E-05	0.0031
204781_s_at	FAS	0.010445	0.002732	0.040928
221163_s_at	MLXIPL	-0.01095	5.93E-05	0.0031
218565_at	C9orf114	-1.51E-02	3.45E-05	0.002241
221671_x_at	IGK@	0.039037	0.000165	0.006269
202820_at	AHR	0.01577	0.000645	0.015168
211649_x_at	IGHA1	0.011833	0.000601	0.014473
202735_at	EBP	-0.00933	0.000534	0.013418
215946_x_at	IGLL3P	0.020759	0.00067	0.01558
218983_at	C1RL	0.010778	0.003436	0.048055
202747_s_at	ITM2A	0.020109	0.000152	0.005882
209795_at	CD69	0.019261	0.003381	0.047515
203516_at	SNTA1	-0.00873	0.001393	0.025931
45297_at	EHD2	0.012476	0.00182	0.031148
212647_at	RRAS	0.011148	0.001692	0.029697
219159_s_at	SLAMF7	0.032708	0.003696	0.049934

211634_x_at	IGHM	0.025025	0.000773	0.0172
204563_at	SELL	0.017014	0.00094	0.019839
219418_at	NHEJ1	-0.01146	0.000324	0.009727
209360_s_at	RUNX1	0.011477	0.001207	0.023508
201599_at	OAT	-0.01402	2.37E-05	0.001732
218167_at	AMZ2	-0.01064	7.05E-05	0.003514
209703_x_at	METTTL7A	-0.00884	0.003224	0.046162
217940_s_at	CARKD	-6.85E-03	0.001126	0.022453
219277_s_at	OGDHL	-0.0146	0.000374	0.010599
208092_s_at	FAM49A	0.012544	0.00262	0.039752
208367_x_at	CYP3A4	-0.0143	4.2E-05	0.002494
201212_at	LGMM	-0.01292	1.56E-03	0.027879
214791_at	SP140L	0.014724	0.003581	0.049424
218633_x_at	ABHD10	-0.01065	0.00301	0.043972
202982_s_at	ACOT1	-0.01805	0.000849	0.018426
209191_at	TUBB6	0.026508	2.98E-06	0.000451
203478_at	NDUFC1	-0.00966	2.1E-05	0.00162
219744_at	FN3K	-0.02157	0.000788	0.017425
206666_at	GZMK	0.016818	0.001719	0.030024
213129_s_at	GCSH	-0.01205	0.000127	0.005138
209823_x_at	HLA-DQB1	0.018984	0.000369	0.010509
204168_at	MGST2	-0.0064	0.003094	0.044843
205304_s_at	KCNJ8	0.017976	0.001442	0.02658
213591_at	ALDH7A1	-0.01341	0.001312	0.024888
209205_s_at	LMO4	0.012734	4.92E-05	0.002771
201682_at	PMPCB	-0.00965	5.51E-05	0.002935
216515_x_at	MIR1244-1	0.006387	0.001039	0.021369
219489_s_at	NXN	0.019799	1.14E-06	0.000238
213857_s_at	CD47	0.0098	0.003685	0.049934
210166_at	TLR5	0.010721	0.002272	0.036287
205911_at	PTH1R	-0.01272	0.000694	0.01596
208083_s_at	ITGB6	0.029965	0.000239	0.007936
210653_s_at	BCKDHB	-0.01667	0.000122	0.005029
210538_s_at	BIRC3	0.022404	6.3E-05	0.00325
201798_s_at	MYOF	0.014998	0.002142	0.034876
209118_s_at	TUBA1A	0.012178	0.002522	0.038776
219684_at	RTP4	0.011794	0.000767	0.01711
203547_at	CD4	0.011179	0.003695	0.049934
209613_s_at	ADH1B	0.023145	0.003418	0.047986
205350_at	CRABP1	-0.01605	0.000289	0.009014
177_at	PLD1	-0.0134	5.59E-04	0.013841
211639_x_at	IGHA1	0.015446	0.002423	0.037827
213861_s_at	FAM119B	-0.01723	0.000237	0.007899
200832_s_at	SCD	-0.02158	1.69E-03	0.029719
209005_at	FBXL5	-0.01476	0.000142	0.005574
215088_s_at	SDHC	-0.00659	0.000117	0.004947
202403_s_at	COL1A2	0.020145	0.000411	0.011251
204185_x_at	PPID	-0.00994	0.00012	0.005019
201105_at	LGALS1	0.022358	0.000292	0.009066

209645_s_at	ALDH1B1	-0.01382	0.001462	0.026877
205501_at	PDE10A	-0.01909	0.000327	0.009752
200660_at	S100A11	0.013412	0.00124	0.023981
214339_s_at	MAP4K1	0.011303	0.001131	0.022453
222138_s_at	WDR13	-0.00897	0.001603	0.028484
207651_at	GPR171	0.016184	0.002442	0.037955
207707_s_at	SEC13	-0.00767	0.001862	0.031561
215300_s_at	FMO5	-0.02495	3.07E-05	0.002076
213923_at	RAP2B	0.013164	0.000571	0.01406
201540_at	FHL1	0.017263	0.000356	0.010252
205942_s_at	ACSM3	-0.01387	0.000876	0.018814
202947_s_at	GYPC	0.014368	0.00109	0.021973
214617_at	PRF1	0.011309	0.001486	0.027108
217418_x_at	MS4A1	0.021929	0.002405	0.037657
202974_at	MPP1	-0.01622	0.000669	0.01558
217757_at	A2M	0.019115	7.13E-05	0.003543
213658_at		-0.01804	0.000183	0.006688
203066_at	CHST15	0.022267	3.28E-05	0.002172
200655_s_at	CALM1	-0.00636	3.18E-04	0.009607
200692_s_at	HSPA9	-0.00834	8.76E-05	0.004067
206133_at	XAF1	0.01239	0.002002	0.033262
219505_at	CECR1	0.020002	0.000891	0.019075
211162_x_at	SCD	-0.01375	9.56E-05	0.004278
209879_at	SELPLG	0.010423	0.002422	0.037827
205963_s_at	DNAJA3	-0.01117	0.00074	0.01668
44673_at	SIGLEC1	1.27E-02	0.002017	0.033377
218676_s_at	PCTP	-0.01657	5.5E-05	0.002935
201842_s_at	EFEMP1	0.01434	0.000229	0.007731
205751_at	SH3GL2	-0.0143	0.003213	0.046034
202310_s_at	COL1A1	0.019364	0.001522	0.027509
201612_at	ALDH9A1	-0.00941	0.000636	0.015061
205713_s_at	COMP	0.013516	0.001046	0.021402
201416_at	SOX4	0.019191	2.84E-04	0.008897
201925_s_at	CD55	0.011689	1.47E-03	0.026981
211733_x_at	SCP2	-0.00898	0.000362	0.010371
200708_at	GOT2	-0.01003	0.000162	0.00616
205194_at	PSPH	-0.01299	0.000983	0.020527
213940_s_at	FNBP1	0.007817	0.001635	0.028933
210085_s_at	ANXA9	-0.01806	0.000456	0.012005
209584_x_at	APOBEC3C	0.009384	0.000197	0.007022
204027_s_at	METTL1	-0.0118	0.003026	0.044087
209310_s_at	CASP4	1.30E-02	7.35E-05	0.00363
206513_at	AIM2	0.015856	0.003081	0.044714
213504_at	COPS6	-0.00955	0.00367	0.049885
218254_s_at	SAR1B	-1.29E-02	0.00011	0.004803
209278_s_at	TFPI2	0.025212	0.000225	0.007643
219788_at	PILRA	0.010418	0.000269	0.008562
217808_s_at	MAPKAP1	-0.0131	5.23E-05	0.002861
205270_s_at	LCP2	0.018237	0.00184	0.031347

214829_at	AASS	-0.01588	0.003065	0.044539
202427_s_at	BRP44	-0.0074	0.000588	0.01428
202864_s_at	SP100	0.009626	0.001074	0.021769
202054_s_at	ALDH3A2	-0.01306	0.001402	0.026043
208770_s_at	EIF4EBP2	-0.00634	0.001264	0.024304
210377_at	ACSM3	-0.01595	0.00289	0.042657
202382_s_at	GNPDA1	-0.01172	0.000829	0.018103
204604_at	CDK14	-0.00957	0.002873	0.042474
201428_at	CLDN4	0.015751	0.00147	0.026962
204019_s_at	SH3YL1	-0.01235	0.000987	0.02055
217944_at	POMGNT1	-0.00788	0.000712	0.016293
213181_s_at	MOCS1	-0.00984	0.002191	0.035374
202930_s_at	SUCLA2	-0.01612	2.06E-06	0.00035
218897_at	TMEM177	-0.01183	0.001514	0.02744
214214_s_at	C1QBP	-0.01047	0.000347	0.010106
200896_x_at	HDGF	-0.00444	0.001203	0.023508
201280_s_at	DAB2	-0.01098	3.66E-03	0.049831
200653_s_at	CALM1	-0.00514	2.51E-03	3.86E-02
212386_at	TCF4	0.016138	3.59E-05	0.002293
205369_x_at	DBT	-0.01247	0.001035	0.02134
208909_at	UQCRFS1	-0.01018	0.000304	0.009272
221516_s_at	SMCR7L	-0.01202	0.002127	0.034654
208084_at	ITGB6	0.030495	0.000641	0.015138
204629_at	PARVB	-0.01157	0.002472	0.038103
209443_at	SERPINA5	-0.0151	0.003643	0.049734
215076_s_at	COL3A1	0.021352	0.002064	0.033981
201339_s_at	SCP2	-0.01065	0.000178	0.006589
34726_at	CACNB3	0.009504	0.001812	0.03108
212558_at	SPRY1	0.015321	0.001944	0.032515
218677_at	S100A14	0.010407	0.002619	0.039752
206687_s_at	PTPN6	0.011461	0.000347	0.010106
201669_s_at	MARCKS	0.014754	0.001425	0.026364
202018_s_at	LTF	0.037979	0.000404	0.011151
206085_s_at	CTH	-0.01073	0.002338	0.036983
217792_at	SNX5	-0.00982	0.000255	0.00827
212166_at	XPO7	-0.00811	0.00011	0.004802
221092_at	IKZF3	0.014546	0.002007	0.033314
203131_at	PDGFRA	0.023661	0.000543	0.013556
213800_at	CFH	0.01954	0.00065	0.015203
210367_s_at	PTGES	0.011762	0.000139	0.005485
212946_at	KIAA0564	-0.01448	0.000577	0.014097
218789_s_at	C11orf71	-0.0148	4.15E-06	0.000571
44065_at	C12orf52	-0.01299	0.000991	0.020615
217761_at	ADI1	-0.01542	0.000186	0.006764
207081_s_at	PI4KA	-0.01193	0.003557	0.049211
214285_at	FABP3	-0.01338	0.003345	0.047153
206214_at	PLA2G7	0.016526	0.001005	0.020783
219498_s_at	BCL11A	0.014448	0.000217	0.007494
202286_s_at	TACSTD2	0.017209	0.002847	0.042233

216495_x_at		0.010611	0.002065	0.033981
210879_s_at	RAB11FIP5	-0.01167	0.000759	0.017037
213282_at	APOOL	-0.01089	0.00013	0.005208
204130_at	HSD11B2	-0.01407	0.003515	0.048774
214259_s_at	AKR7A2	-0.01158	0.000859	0.018558
208752_x_at	NAP1L1	0.008243	0.000409	0.01122
200690_at	HSPA9	-0.01152	3.64E-03	0.049705
200979_at	PDHA1	-0.01661	8.58E-05	0.004022
205761_s_at	DUS4L	-0.01341	0.002716	0.040822
220329_s_at	RMND1	-1.01E-02	0.00325	0.046318
218035_s_at	RBM47	-0.00992	0.001603	0.028484
209369_at	ANXA3	0.021907	2E-05	0.001585
204912_at	IL10RA	0.013639	0.002011	0.033353
209146_at	SC4MOL	-0.00699	0.002735	0.040928
202661_at	ITPR2	-0.01287	0.002261	0.036179
219864_s_at	RCAN3	0.020505	0.000778	0.017267
206313_at	HLA-DOA	0.01054	0.00237	0.037231
219471_at	C13orf18	0.013617	0.001164	0.022935
205303_at	KCNJ8	0.017519	0.001505	0.027366
209435_s_at	ARHGEF2	0.012201	0.000325	0.009727
202941_at	NDUFV2	-0.01072	0.000387	0.010845
210298_x_at	FHL1	0.019091	0.001069	0.021705
214342_at	ATXN7L1	-0.01395	0.000434	0.011574
205776_at	FMO5	-0.02311	3.85E-05	0.002361
201410_at	PLEKHB2	-0.01179	0.000111	0.004814
201272_at	AKR1B1	0.009416	0.002653	0.040063
201718_s_at	EPB41L2	0.014452	0.000315	0.009538
208847_s_at	ADH5	-0.00796	0.000826	0.018053
205686_s_at	CD86	0.01367	0.000881	0.018891
208868_s_at	GABARAPL1	-0.0091	0.000675	0.015596
201893_x_at	DCN	0.018803	0.00052	0.013129
214219_x_at	MAP4K1	0.010536	0.003179	0.045715
202077_at	NDUFAB1	-0.01225	1.71E-05	0.001444
202353_s_at	PSMD12	-0.01294	8.39E-05	0.003949
220567_at	IKZF2	0.010736	0.002356	0.03709
211150_s_at	DLAT	-0.01199	0.000114	0.004893
209036_s_at	MDH2	-0.00851	0.001962	0.032686
208667_s_at	ST13	-0.00912	0.002311	0.036723
211907_s_at	PAR6B	-0.0106	0.00083	0.018103
208864_s_at	TXN	-0.00968	0.000251	0.008161
212038_s_at	VDAC1	-0.00981	0.000115	0.004917
205352_at	SERPINI1	-0.01596	0.001572	0.02802
200773_x_at	PTMA	0.00754	0.000239	0.007936
219974_x_at	ECHDC1	-0.00752	0.000563	0.01391
209765_at	ADAM19	0.009912	0.000632	0.014999
215794_x_at	GLUD2	-0.01264	0.002562	0.039243
213149_at	DLAT	-0.0144	3.34E-05	0.002199
202191_s_at	GAS7	0.012834	0.001698	0.029746
218957_s_at	PAAF1	-0.01434	0.000217	0.007494

201785_at	RNASE1	0.025174	3.68E-05	0.002297
203753_at	TCF4	0.019017	0.000282	0.008859
201744_s_at	LUM	0.02416	0.002014	0.033353
204438_at	MRC1	0.017809	0.001847	0.031398
201919_at	SLC25A36	-0.01282	1.47E-05	0.001332
201512_s_at	TOMM70A	-0.00923	6.8E-05	0.003434
209762_x_at	SP110	0.013492	0.000858	0.018558
201743_at	CD14	0.012552	0.001971	0.032797
219200_at	FASTKD3	-0.01159	0.003232	0.046213
220132_s_at	CLEC2D	0.013963	0.003075	0.044656
202659_at	PSMB10	0.012355	7.65E-05	0.003724
219033_at	PARP8	0.01607	0.000825	0.018053
202158_s_at	CELF2	0.016396	0.000509	0.012963
213839_at	CLMN	-0.01167	0.000331	0.009831
201656_at	ITGA6	-0.0079	0.003461	0.048254
203917_at	CXADR	0.011845	0.002631	0.039813
210807_s_at	SLC16A7	-0.01588	0.001865	0.031576
202686_s_at	AXL	0.019432	1.09E-05	0.001092
203760_s_at	SLA	0.009317	0.0037	0.049934
204964_s_at	SSPN	0.009961	0.000767	0.01711
208636_at	ACTN1	0.012589	0.002455	0.038011
218523_at	LHPP	-0.0124	0.003486	0.048509
211182_x_at	RUNX1	0.016406	0.001147	0.022669
221942_s_at	GUCY1A3	0.012462	0.000576	0.014097
209933_s_at	CD300A	0.012992	0.000796	0.017563
220089_at	L2HGDH	-0.01338	0.000246	0.008033
220731_s_at	NECAP2	0.00758	0.000303	0.009258
205278_at	GAD1	-0.01406	0.002598	0.039528
203732_at	TRIP4	-0.00867	0.001036	0.021355
202644_s_at	TNFAIP3	0.014673	0.000118	0.004965
217794_at	PRR13	-0.00614	0.000725	0.016513
219718_at	FGGY	-0.01014	0.001102	0.022119
212216_at	PREPL	-0.00965	0.001355	0.025438
218380_at	LOC728392	0.012587	0.001129	0.022453
219229_at	SLCO3A1	0.01947	6.69E-05	0.003401
200808_s_at	ZYX	0.01427	6.65E-05	0.003391
212012_at	PXDN	0.019776	5.49E-05	0.002935
219367_s_at		0.012396	0.001334	0.025204
218773_s_at	MSRB2	-0.01351	0.000452	0.011923
219195_at	PPARGC1A	-0.00898	0.002024	0.033437
218021_at	DHRS4	-1.93E-02	0.002252	0.036091
204083_s_at	TPM2	0.017009	9.17E-05	0.004161
39729_at	PRDX2	-0.00972	3.37E-05	0.002212
210139_s_at	PMP22	0.015619	0.000202	0.007111
218693_at	TSPAN15	0.010668	7.21E-05	0.003577
209608_s_at	ACAT2	-0.01015	0.003488	0.048509
221015_s_at	CDADC1	-0.01658	3.65E-05	0.002297
221692_s_at	MRPL34	-0.01269	1.91E-05	0.001534
202510_s_at	TNFAIP2	0.016024	0.0012	0.023462

209004_s_at	FBXL5	-0.00939	0.003062	0.044522
202291_s_at	MGP	0.021181	0.000734	0.016602
203030_s_at	PTPRN2	0.014507	0.002563	0.039243
217980_s_at	MRPL16	-0.00964	0.000238	0.007935
201089_at	ATP6V1B2	-0.01254	1.14E-03	0.022601
221127_s_at	DKK3	0.020626	5.29E-05	0.002883
212174_at	AK2	-0.01196	0.001358	0.025442
204868_at	ICT1	-0.00823	0.000278	0.00879
201852_x_at	COL3A1	0.019882	0.00328	0.046534
206117_at	TPM1	0.012976	0.000981	0.020495
212522_at	PDE8A	-0.01134	0.000158	0.006061
211737_x_at	PTN	0.023125	0.000128	0.005138
219147_s_at	C9orf95	-0.01344	0.000999	0.020702
201556_s_at	VAMP2	-0.00748	0.001509	0.02737
212481_s_at	TPM4	0.010433	0.000782	0.01732
208561_at	ABCC9	0.018704	0.002907	0.042881
203067_at	PDHX	-0.0132	2E-05	0.001585
214031_s_at	KRT7	0.018022	0.002242	0.035954
204439_at	IFI44L	0.015484	0.00203	0.033497
204615_x_at	IDI1	-0.00664	0.001132	0.022453
217140_s_at	VDAC1	-0.00907	0.00021	0.007336
212242_at	TUBA4A	-0.008	0.000952	0.020091
215792_s_at	DNAJC11	-0.00913	0.000359	0.010283
204352_at	TRAF5	0.011539	0.002346	0.036994
204979_s_at	SH3BGR	-0.01264	0.000759	0.017037
201539_s_at	FHL1	0.018556	0.001914	0.032107
212731_at	ANKRD46	-0.01272	0.000674	0.015596
209198_s_at	SYT11	0.016706	0.000902	0.019223
206662_at	GLRX	-0.01149	0.000292	0.009066
206974_at	CXCR6	0.011955	0.001515	0.02744
211989_at	SMARCE1	0.006557	0.001279	0.024521
203551_s_at	COX11	-0.01026	0.000399	0.011061
202299_s_at	HBXIP	-0.00915	0.0028	0.041691
202665_s_at	WIPF1	0.009079	0.001352	0.025438
219217_at	NARS2	-0.01365	0.00017	0.00639
211170_s_at	PDE10A	-0.01403	4.25E-05	0.002505
205133_s_at	HSPE1	-0.00798	0.000959	0.020134
208914_at	GGA2	-0.01157	0.002346	0.036994
212791_at	C1orf216	0.010147	0.000502	0.012819
212827_at	IGHM	0.018677	0.001798	0.030894
221523_s_at	RRAGD	-0.01676	0.000192	0.006947
209167_at	GPM6B	0.021526	0.000446	0.011808
218398_at	MRPS30	-0.00849	0.000347	0.010106
206767_at	RBMS3	0.014995	0.000518	0.013099
204806_x_at	HLA-F	0.012043	0.003279	0.046534
204608_at	ASL	-0.01516	0.00217	0.035179
201701_s_at	PGRMC2	-0.01084	0.000914	0.019391
201792_at	AEBP1	0.018057	0.000223	0.007629
202959_at	MUT	-0.01145	0.00054	0.013522



209095_at	DLD	-0.01058	0.000803	0.017669
206910_x_at	CFHR2	0.009048	0.001783	0.030764
204115_at	GNG11	0.009707	0.003386	0.047558
206197_at	NME5	-0.00942	0.000675	0.015596
220988_s_at	C1QTNF3	0.014147	0.002387	0.037454
203697_at	FRZB	0.016711	0.000914	0.019391
203646_at	FDX1	-0.0109	8.16E-05	0.003874
219550_at	ROBO3	0.010841	0.001771	0.03063
208869_s_at	GABARAPL1	-0.00732	0.000688	0.015834
203372_s_at	SOCS2	-0.01373	0.000807	0.017757
205543_at	HSPA4L	-0.01014	0.00053	0.013344
202780_at	OXCT1	-0.01813	0.000212	0.007367
205336_at	PVALB	-0.02046	0.001042	0.021392
202206_at	ARL4C	0.026037	4E-05	0.002406
221953_s_at	MMP24	-0.00914	0.002455	0.038011
222269_at	APOOL	-0.01056	0.003617	0.049573
209492_x_at	ATP5I	-0.00394	0.003164	0.045646
208910_s_at	C1QBP	-0.01037	0.000249	0.00812
213759_at	ARL4C	0.016145	0.000548	0.013611
201859_at	SRGN	0.016193	0.002883	0.042594
201310_s_at	C5orf13	-0.0113	0.002688	0.040514
203068_at	KLHL21	-0.00928	0.001939	0.032483
202738_s_at	PHKB	-0.00865	0.000121	0.00502
218805_at	GIMAP5	0.014836	0.001764	0.030555
217360_x_at	IGHA1	0.01211	0.000818	0.017926
203465_at	MRPL19	-0.0084	0.002417	0.037787
200030_s_at	SLC25A3	-0.00719	2.19E-03	3.54E-02
202936_s_at	SOX9	0.021836	0.00011	0.004802
218640_s_at	PLEKHF2	-0.01026	0.002446	0.037976
201186_at	LRPAP1	-0.00726	0.003093	0.044843
216394_x_at		0.010188	0.00161	0.028571
202533_s_at	DHFR	-0.01154	0.002595	0.039509
64064_at	GIMAP5	0.013954	0.001537	0.027725
203190_at	NDUFS8	-0.00791	0.002942	0.04326
220741_s_at	PPA2	-0.00878	0.001597	0.028431
216036_x_at	WDTC1	-6.80E-03	0.000939	0.019838
221437_s_at	MRPS15	-0.01212	0.000158	0.006061
212582_at	OSBPL8	-0.00959	0.00156	0.027898
208666_s_at	ST13	-0.0096	8.96E-05	0.0041
209791_at	PADI2	-0.01775	4.34E-05	0.002545
218116_at	C9orf78	-0.00668	0.001155	0.022781
220333_at	PAQR5	-0.01582	0.000668	0.015566
208091_s_at	VOPP1	0.011157	0.001619	0.028686
210544_s_at	ALDH3A2	-0.01692	0.000697	0.015981
219032_x_at	OPN3	-0.00992	0.000192	0.006947
201570_at	SAMM50	-0.01256	0.000366	0.010442
201368_at	ZFP36L2	0.007092	0.003316	0.04692
220149_at	C2orf54	-0.021	0.001953	0.032618
208969_at	NDUFA9	-0.00953	0.000387	0.010845

218162_at	OLFML3	1.13E-02	0.002971	0.043515
202156_s_at	CELF2	0.010495	0.000499	0.012769
209111_at	RNF5	-0.00977	0.000871	0.018742
203199_s_at	MTRR	-0.01314	0.000157	0.006052
211715_s_at	BDH1	-0.01498	0.001711	0.029921
204000_at	GNB5	-0.01242	3.08E-05	0.002077
220617_s_at	ZNF532	0.011269	0.001523	0.027509
211813_x_at	DCN	0.019247	0.000594	0.01436
203115_at	FECH	-0.01406	0.000295	0.009129
220092_s_at	ANTXR1	0.020593	0.000643	0.015166
202279_at	C14orf2	-0.01042	9.28E-05	0.004201
207124_s_at	GNB5	-0.01346	6.39E-06	0.000769
212713_at	MFAP4	0.020183	0.000252	0.008177
201641_at	BST2	0.01381	0.001748	0.030321
211820_x_at	GYPA	-0.01546	0.001051	0.021471
202443_x_at	NOTCH2	0.01083	0.000157	0.006058
56748_at	TRIM10	-0.0108	0.001904	0.031966
204589_at	NUAK1	0.013054	0.002416	0.037787
201494_at	PRCP	-0.00693	0.000792	0.017513
214247_s_at	DKK3	0.020416	0.000136	0.005416
217906_at	KLHDC2	-0.00885	0.00369	0.049934
202675_at	SDHB	-0.01317	0.000764	0.017107
206118_at	STAT4	0.014848	0.0015	0.027317
202922_at	GCLC	-0.01387	0.000451	0.011913
33323_r_at	SFN	0.032756	0.001281	0.024541
202271_at	FBXO28	-0.01153	0.001303	0.024823
209040_s_at	PSMB8	0.012454	0.00156	0.027898
208782_at	FSTL1	0.012934	0.003163	0.045646
219872_at	FAM198B	1.63E-02	0.000959	0.020134
201325_s_at	EMP1	0.009826	0.00298	0.043593
216834_at	RGS1	0.017004	0.002187	0.035349
200907_s_at	PALLD	0.011118	0.000332	0.009836
204594_s_at	SMCR7L	-0.01072	0.001456	0.026801
214598_at	CLDN8	-0.01365	0.003603	0.049505
203945_at	ARG2	-0.00669	0.002449	0.037999
203824_at	TSPAN8	0.019589	0.003451	0.048162
206348_s_at	PDK3	-0.01336	0.003424	0.048014
215051_x_at	AIF1	0.012477	0.003595	0.049478
205164_at	GCAT	-0.01277	0.000899	0.019172
203859_s_at	PALM	-0.00915	0.002012	0.033353
201954_at	ARPC1B	0.009929	0.002593	0.039509
206756_at	CHST7	0.009532	0.002847	0.042233
205696_s_at	GFRA1	0.01864	6.22E-05	0.003229
214155_s_at	LARP4	-0.01283	0.000276	0.008766
202720_at	TES	0.015529	0.000197	0.007022
212814_at	AHCYL2	-0.0131	0.002108	0.034463
202942_at	ETFB	-0.01188	0.002518	0.038734
211896_s_at	DCN	0.019108	0.001426	0.026364
203032_s_at	FH	-0.01414	0.002318	0.036806

202313_at	PPP2R2A	-0.00662	0.001098	0.022057
207480_s_at	MEIS2	0.012808	0.001183	0.023232
209386_at	TM4SF1	0.018227	8.3E-05	0.003933
202693_s_at	STK17A	0.014142	0.000409	0.01122
213408_s_at	PI4KA	-0.00762	0.003598	0.049478
216442_x_at	FN1	0.013731	0.003552	0.049185
200715_x_at	RPL13A	0.006152	3.18E-03	0.045715
203886_s_at	FBLN2	0.01089	0.001631	0.02888
202994_s_at	FBLN1	0.018521	0.000753	0.01692
213289_at	APOOL	-0.01656	0.001736	0.030161
215045_at	CELF3	-0.00822	0.003241	0.046272
205528_s_at	RUNX1T1	0.015902	0.001068	0.021705
209546_s_at	APOL1	0.013295	0.001867	0.031583
214505_s_at	FHL1	0.021689	0.000979	0.020487
211662_s_at	VDAC2	-0.00714	0.000565	0.013947
202935_s_at	SOX9	0.024069	3.62E-05	0.002297
201651_s_at	PACSIN2	-0.00699	0.00172	0.030024
201243_s_at	ATP1B1	-0.00707	0.000801	0.017654
49679_s_at	MMP24	-0.01043	0.001089	0.021973
202719_s_at	TES	0.013029	0.001756	0.03044
201709_s_at	NIPSNAP1	-0.00888	0.001381	0.025804
217942_at	MRPS35	-0.01039	0.000598	0.014409
204786_s_at	IFNAR2	0.020326	0.000199	0.007062
202739_s_at	PHKB	-0.01006	0.001647	0.029114
218447_at	C16orf61	-0.00664	0.002356	0.03709
33322_i_at	SFN	0.028518	0.001333	0.025204
212228_s_at	COQ9	-0.01498	7.76E-05	0.003748
204300_at	PET112L	-0.01304	0.000776	0.017226
219496_at	ANKRD57	-0.01382	0.002783	0.041532
217754_at	DDX56	-0.00742	0.003521	0.048814
209273_s_at	ISCA1	-0.01121	5.1E-06	0.000653
218549_s_at	FAM82B	-0.00861	0.001943	0.032515
213366_x_at	ATP5C1	-0.00857	0.000281	0.008854
214755_at	UAP1L1	-0.01486	0.000126	0.005111
216526_x_at	HLA-C	0.009243	0.001132	0.022453
207419_s_at	RAC2	0.008664	0.001479	0.027033
208789_at	PTRF	0.013323	0.001519	0.027491
217964_at	TTC19	-0.00751	0.002545	0.039021
204932_at	TNFRSF11B	0.014598	4.65E-05	0.002686
39402_at	IL1B	1.39E-02	0.001186	0.023264
209384_at	PROSC	-0.01081	0.001127	0.022453
214331_at	TSMF	-0.01076	0.001838	0.031347
209466_x_at	PTN	0.020902	0.001093	0.021983
218024_at	BRP44L	-0.01514	4.24E-06	0.000572
36920_at	MTM1	-0.01281	0.000326	0.009737
206580_s_at	EFEMP2	0.011787	0.000388	0.010845
221814_at	GPR124	0.015392	0.000424	0.011441
210021_s_at	CCNO	0.008864	0.001244	0.023996
202440_s_at	ST5	0.014103	0.00054	0.013522

203894_at	TUBG2	-0.0086	0.002095	0.034365
209981_at	CSDC2	-0.01469	0.000453	0.011933
208807_s_at	CHD3	0.007972	0.002438	0.037947
212706_at	RASA4	-0.01252	0.002471	0.038103
214869_x_at	GAPVD1	-0.01009	0.000749	0.016853
200788_s_at	PEA15	0.009754	0.002285	0.036412
218605_at	TFB2M	-0.01121	0.003585	0.049424
204470_at	CXCL1	0.020928	0.001057	0.021572
218494_s_at	SLC2A4RG	-0.01511	0.001418	0.026283
202637_s_at	ICAM1	0.016667	0.000297	0.009149
210764_s_at	CYR61	0.021338	0.001602	0.028484
201917_s_at	SLC25A36	-0.00836	0.000546	0.013577
214827_at	PARD6B	-0.01161	4.71E-05	0.002692
213033_s_at	NFIB	-0.00798	0.00321	0.046034
214767_s_at	HSPB6	0.023929	0.001542	0.027748
204934_s_at	HPN	-0.0156	0.002181	0.035328
217362_x_at	HLA-DRB6	0.011759	0.002788	0.041566
203780_at	MPZL2	0.012652	0.002294	0.036533
204268_at	S100A2	0.019349	9.14E-05	0.004161
207057_at	SLC16A7	-0.01513	0.001354	0.025438
219809_at	WDR55	-0.00972	0.001229	0.023802
214277_at	COX11	-0.01735	0.000663	0.015487
205910_s_at	CEL	-0.01875	0.002737	0.040928
221911_at	ETV1	0.019118	0.000287	0.008964
213262_at	SACS	0.01442	0.001785	0.030772
207894_s_at	TCL6	-0.0136	0.002153	0.035
213005_s_at	KANK1	-0.01058	0.002342	0.036983
218471_s_at	BBS1	-0.0096	0.000921	0.019512
209512_at	HSDL2	-0.01482	0.001106	0.02217
218170_at	ISOC1	-0.01167	0.000236	0.007898
203557_s_at	PCBD1	-0.01089	0.001819	0.031148
219133_at	OXSM	-0.0166	0.000114	0.00489
209001_s_at	ANAPC13	-0.0074	0.003319	0.04692
200986_at	SERPING1	0.022143	0.00052	0.013122
202497_x_at	SLC2A3	0.016066	0.000512	0.012992
214104_at	GPR161	0.007712	0.001854	0.03146
218541_s_at	C8orf4	0.013381	0.003181	0.045719
220942_x_at	FAM162A	-0.00664	0.002074	0.034068
221493_at	TSPYL1	-8.59E-03	0.001244	0.023996
201761_at	MTHFD2	0.016185	0.003213	0.046034
211719_x_at	FN1	0.013401	0.002803	0.041717
203200_s_at	MTRR	-0.01531	0.00056	0.013845
AFFX-HUMGAPI	GAPDH	-0.00857	0.001306	0.024828
208870_x_at	ATP5C1	-0.0099	0.000102	0.004556
206496_at	FMO3	0.014743	0.001418	0.026283
37408_at	MRC2	0.014856	0.000383	0.010746
202950_at	CRYZ	-0.00812	0.00259	0.039509
210131_x_at	SDHC	-0.01032	0.00154	0.027735
221847_at	LOC100129361	-0.008	0.001199	0.023462

207610_s_at	EMR2	0.011905	0.002979	0.043593
204105_s_at	NRCAM	-0.0161	0.000739	0.016655
212489_at	COL5A1	0.013007	0.002644	0.039986
200614_at	CLTC	-0.00751	1.29E-03	0.024642
212543_at	AIM1	-0.00976	0.003349	0.047153
218377_s_at	RWDD2B	-0.00791	0.000275	0.008754
214175_x_at	PDLIM4	0.012155	0.003048	0.044344
213709_at	BHLHB9	-0.00958	0.001822	0.031152
201621_at	NBL1	0.012459	0.001818	0.031145
219213_at	JAM2	0.018079	0.000105	0.004613
214129_at	PDE4DIP	-0.00825	0.001292	0.02468
209387_s_at	TM4SF1	0.01181	0.001709	0.029909
221550_at	COX15	-0.00853	0.003486	0.048509
212609_s_at	AKT3	0.010028	0.000156	0.006014
219313_at	GRAMD1C	-0.01015	0.001781	0.030753
213457_at	MFHAS1	0.013996	0.000633	0.015009
220407_s_at	TGFB2	0.017256	8.37E-05	0.003949
200771_at	LAMC1	0.010816	1.39E-03	0.025825
209692_at	EYA2	-0.00994	0.001286	0.024605
202411_at	IFI27	0.016421	0.000575	0.014097
202208_s_at	ARL4C	0.010947	0.000431	0.011543
209325_s_at	RGS16	0.016682	2.81E-05	0.001943
203954_x_at	CLDN3	0.012023	0.002212	0.035561
208790_s_at	PTRF	0.015507	9.34E-05	0.004213
222088_s_at	SLC2A14	0.021858	0.000568	0.013998
218098_at	ARFGEF2	-0.00787	0.001133	0.022453
203414_at	MMD	0.011172	0.000719	0.016404
209473_at	ENTPD1	0.009839	0.000257	0.008322
221624_at	TCL6	-0.01071	0.000575	0.014097
37022_at	PRELP	0.005864	0.003021	0.044069
209065_at	UQCRB	-0.01232	0.000299	0.009202
221087_s_at	APOL3	0.016589	0.001091	0.021973
202209_at	LSM3	-0.00723	0.001958	0.032642
214045_at	LIAS	-1.24E-02	0.001075	0.021776
207545_s_at	NUMB	-0.00947	0.002272	0.036287
205711_x_at	ATP5C1	-0.00884	0.000214	0.007417
213488_at	SNED1	0.012426	0.001114	0.022271
221369_at	MTNR1A	-0.00952	0.002285	0.036412
218722_s_at	CCDC51	-0.00805	0.002101	0.034422
219519_s_at	SIGLEC1	0.010899	0.002119	0.034559
213921_at	SST	0.016349	0.000302	0.009251
202325_s_at	ATP5J	-0.00741	0.000104	0.004602
220372_at	DNAJC28	-0.01346	0.000224	0.007629
221223_x_at	CISH	-0.01141	0.003485	0.048509
204103_at	CCL4	0.011607	0.000645	0.015168
203566_s_at	AGL	-0.01037	0.001791	0.030863
211727_s_at	COX11	-0.01103	0.000477	0.012419
212312_at	BCL2L1	-0.00938	0.001001	0.020714
221268_s_at	SGPP1	-0.01262	0.000406	0.011183

222146_s_at	TCF4	0.018971	0.000244	0.008008
213760_s_at	ZNF330	-0.00857	0.002815	0.041864
205322_s_at	MTF1	0.008232	0.001471	0.026962
219036_at	CEP70	-0.01067	0.00117	0.023016
211518_s_at	BMP4	0.007889	0.003242	0.046272
201918_at	SLC25A36	-0.01	2.91E-03	0.042881
212183_at	NUDT4	-0.01594	0.001928	0.032311
217748_at	ADIPOR1	-0.00769	0.001726	0.030041
211488_s_at	ITGB8	0.02085	4.45E-05	0.002582
208981_at	PECAM1	0.011465	0.002335	0.036972
207016_s_at	ALDH1A2	0.017091	0.0018	0.030894
212285_s_at	AGRN	0.013848	0.000483	0.012504
207388_s_at	PTGES	0.007861	0.000727	0.016529
214036_at	EFNA5	0.01406	0.001384	0.025822
203371_s_at	NDUFB3	-0.00722	0.000485	0.012535
212420_at	ELF1	0.009777	0.002154	0.035
203897_at	LYRM1	-0.0103	0.002913	0.042918
205694_at	TYRP1	-0.02047	0.000877	0.018814
201652_at	COPS5	-0.00987	0.000181	0.006654
202929_s_at	DDT	-0.00878	0.002631	0.039813
213036_x_at	ATP2A3	0.010122	0.002276	0.036315
215034_s_at	TM4SF1	1.55E-02	0.000351	0.010163
205341_at	EHD2	0.011811	0.000558	0.013841
209077_at	TXN2	-0.01209	0.001298	0.024756
214587_at	COL8A1	0.011996	0.001723	0.030041
205777_at	DUSP9	-0.01512	0.003652	0.049798
40665_at	FMO3	0.016278	0.00253	0.038864
210514_x_at	HLA-G	0.013193	0.00224	0.035954
213115_at	ATG4A	-0.01206	0.002209	0.035548
209276_s_at	GLRX	-0.01034	0.003177	0.045715
202035_s_at	SFRP1	0.012009	0.001848	0.031398
222236_s_at	ASAP3	-0.00902	0.000648	0.015177
202499_s_at	SLC2A3	0.021425	0.000782	0.01732
220934_s_at	TMEM223	-0.0142	1.39E-05	0.001288
209781_s_at	KHDRBS3	-0.01074	0.001353	0.025438
205931_s_at	CREB5	0.013101	0.000431	0.011543
214749_s_at	ARMCX6	0.00958	0.001218	0.023665
201289_at	CYR61	0.017666	0.002821	0.041925
213616_at	C18orf10	0.011232	0.001552	0.027844
201324_at	EMP1	0.017273	0.000371	0.01055
212600_s_at	UQCRC2	-0.00817	0.003579	0.049424
207507_s_at	ATP5G3	-0.01023	4.68E-05	0.002689
208944_at	TGFBR2	0.014277	0.000116	0.004917
213816_s_at	MET	0.018087	0.000579	0.014117
210444_at	NPY6R	-0.01579	0.003173	0.045715
201799_s_at	OSBP	-0.01067	0.000172	0.006456
200948_at	MLF2	-0.0078	0.000467	0.012215
221142_s_at	PECR	-0.0132	0.000963	0.020191
46665_at	SEMA4C	0.010249	0.002971	0.043515

203180_at	ALDH1A3	0.01515	0.00014	0.005513
221533_at	FAM162A	-0.00949	0.000242	0.007968
211871_x_at	GNB5	-0.01093	0.003232	0.046213
205887_x_at	MSH3	-0.00804	0.000956	0.020131
212521_s_at	PDE8A	-0.01025	0.003117	0.045115
212089_at	LMNA	0.013272	0.00031	0.00944
204627_s_at	ITGB3	0.02451	8.99E-05	0.004105
203499_at	EPHA2	0.01074	0.001179	0.023183
200818_at	ATP5O	-0.00905	3.13E-04	0.009487
219839_x_at	TCL6	-0.0094	0.001435	0.026477
213964_x_at		-0.01117	0.000181	0.006654
205286_at	TFAP2C	0.012972	0.002239	0.035954
37005_at	NBL1	0.01649	0.000225	0.00764
209909_s_at	TGFB2	0.018963	0.000508	0.012943
201708_s_at	NIPSNAP1	-0.01691	0.002599	0.039528
214701_s_at	FN1	0.017852	0.001071	0.021723
208589_at	TRPC7	-0.01183	0.001896	0.031955
204032_at	BCAR3	-0.0157	6.85E-05	0.003451
201109_s_at	THBS1	0.013254	0.001207	0.023508
221620_s_at	APOO	-0.01217	0.000291	0.009066
206746_at	BFSP1	0.012317	0.000719	0.016404
200906_s_at	PALLD	0.009554	0.003595	0.049478
218309_at	CAMK2N1	-0.00786	4.85E-05	0.002745
208660_at	CS	-0.00802	0.000197	0.007022
215774_s_at	SUCLG2	-0.01499	0.002387	0.037454
203065_s_at	CAV1	0.017295	0.0002	0.007095
203134_at	PICALM	-0.00779	0.000358	0.010283
205392_s_at	CCL14	0.01535	0.002965	0.043478
202037_s_at	SFRP1	0.018967	0.000375	0.0106
208905_at	CYCS	-0.00768	0.003516	0.048774
206099_at	PRKCH	0.015937	0.000531	0.013344
203343_at	UGDH	-0.01296	0.00274	0.040933
201823_s_at	RNF14	-0.008	0.003617	0.049573
203240_at	FCGBP	0.011118	0.000262	0.008427
207508_at	ATP5G3	-0.00826	0.000159	0.006074
203966_s_at	PPM1A	-0.00938	0.001548	0.027808
209723_at	SERPINB9	0.014014	0.000517	0.013099
212093_s_at	MTUS1	-0.00855	0.001799	0.030894
218394_at	ROGDI	-0.01781	9.56E-05	0.004278
202366_at	ACADS	-0.00638	2.36E-03	0.037158
201630_s_at	ACP1	-0.00753	1.01E-03	0.020915
208901_s_at	TOP1	-0.00591	0.000731	0.016546
202850_at	ABCD3	-0.00942	0.00211	0.034463
218930_s_at	TMEM106B	-0.00814	0.003434	0.048049
221261_x_at	MAGED4	0.013157	0.000543	0.013556
209640_at	PML	0.005558	0.003156	0.045627
202119_s_at	CPNE3	-0.01003	0.001686	0.029671
217985_s_at	BAZ1A	0.012739	0.001651	0.029151
203769_s_at	STS	0.01291	0.001206	0.023508

203029_s_at	PTPRN2	0.011649	0.00371	0.049964
203661_s_at	TMOD1	0.013751	0.000921	0.019512
201256_at	COX7A2L	-0.00369	0.00239	0.037462
206034_at	SERPINB8	0.014509	0.001248	0.024042
209287_s_at	CDC42EP3	0.010485	0.001124	0.02244
203458_at	SPR	-0.00919	0.002364	0.037171
202142_at	COPS8	-0.00951	0.00013	0.005223
216411_s_at	GALK2	-0.00697	0.003703	0.049934
201227_s_at	NDUFB8	-0.00732	0.002662	0.040184
222288_at		0.016787	0.001356	0.025438
208848_at	ADH5	-0.01185	0.001093	0.021983
201466_s_at	JUN	0.014505	0.002792	0.041598
217416_x_at		-0.00661	0.002195	0.035413
32099_at	SAFB2	-0.00815	0.003685	0.049934
217868_s_at	METTL9	-0.0085	0.001154	0.022781
211506_s_at	IL8	0.019718	0.000211	0.007354
201107_s_at	THBS1	0.018525	0.000596	0.014398
212036_s_at	PNN	0.011122	0.000359	0.010283
221541_at	CRISPLD2	0.022499	0.000185	0.006764
212078_s_at	MLL	0.009606	0.003321	0.04692
217912_at	DUS1L	-0.00936	0.000437	0.011624
202343_x_at	COX5B	-0.00921	0.002309	0.036716
202036_s_at	SFRP1	0.017945	0.000498	0.012767
202112_at	VWF	0.019875	0.000833	0.018153
212013_at	PXDN	0.012687	0.002143	0.034876
218536_at	MRS2	-0.00919	0.002081	0.034167
213736_at	COX5B	-0.00887	0.003167	0.045664
205068_s_at	ARHGAP26	0.011635	0.000964	0.020193
211600_at	PTPRO	-0.00408	0.003277	0.046534
214013_s_at	TBC1D1	-0.00913	0.003024	0.044081
207334_s_at	TGFBR2	0.015061	0.003456	0.048209
202859_x_at	IL8	0.02158	0.003189	0.045801
203485_at	RTN1	0.013948	0.001548	0.027808
202070_s_at	IDH3A	-0.01067	0.000543	0.013556
209286_at	CDC42EP3	0.017569	0.000241	0.007954
210638_s_at	FBXO9	-0.00655	0.002945	0.043283
209728_at	HLA-DRB4	0.030354	0.003428	0.048025
216954_x_at	ATP5O	-0.0054	0.001038	0.021363
201510_at	ELF3	0.015862	0.002405	0.037657
220177_s_at	TMPRSS3	0.012206	0.00332	0.04692
214263_x_at	POLR2C	-0.00762	0.002724	0.040871
211663_x_at	PTGDS	0.014422	0.000627	0.014934
218289_s_at	UBA5	-0.00889	0.001724	0.030041
212444_at		0.021326	0.001043	0.021402
201972_at	ATP6V1A	-0.00674	0.003234	0.046213
201262_s_at	BGN	0.01284	0.003687	0.049934
219318_x_at	MED31	-0.01822	0.00019	0.006892
210815_s_at	CALCRL	0.014664	0.000445	0.011785
209687_at	CXCL12	0.017483	0.001186	0.023264



202797_at	SACM1L	-0.0081	0.002165	0.035124
218841_at	ASB8	-0.00831	0.002627	0.039812
202687_s_at	TNFSF10	0.011311	0.001841	0.031347
201108_s_at	THBS1	0.017779	2.03E-04	0.007121
218341_at	PPCS	-0.0075	0.000391	0.01093
218150_at	ARL5A	-0.01264	0.000767	0.01711
209555_s_at	CD36	0.011759	0.001889	0.031906
203007_x_at	LYPLA1	-0.01139	7.57E-05	0.0037
205045_at	AKAP10	-0.00741	0.000814	0.017883
211468_s_at	RECQL5	-0.01276	2.81E-05	0.001943
210262_at	CRISP2	-0.0119	0.00221	0.035548
219463_at	C20orf103	0.014108	0.000462	0.012117
213541_s_at	ERG	1.45E-02	0.000393	0.010956
205420_at	PEX7	-0.0121	0.001457	0.026801
203758_at	CTSO	0.008319	0.003629	0.049598
203853_s_at	GAB2	0.008386	0.002615	0.039733
38671_at	PLXND1	0.011622	0.000397	0.011011
202638_s_at	ICAM1	0.013295	0.003347	0.047153
209075_s_at	ISCU	-0.0071	0.001383	0.025817
215649_s_at	MVK	-0.01125	0.000591	0.014336
219401_at	XYLT2	0.008391	0.002621	0.039752
212804_s_at	GAPVD1	-9.48E-03	0.00244	0.037954
208229_at	FGFR2	-0.01309	0.003619	0.049573
219350_s_at	DIABLO	-0.00745	0.003259	0.046423
217606_at		-0.00941	0.003445	0.048123
212758_s_at	ZEB1	0.011588	0.000674	0.015596
212149_at	EFR3A	-0.0083	0.003693	0.049934
211023_at	PDHB	-0.00662	0.002872	0.042474
214835_s_at	SUCLG2	-0.01282	0.00226	0.036179
208116_s_at	MAN1A1	-0.00992	0.001112	0.022266
205580_s_at	HRH1	0.010189	0.002864	0.042425
205816_at	ITGB8	0.015846	0.0014	0.026029
210284_s_at	TAB2	-0.00871	0.000494	0.012684
214857_at		-0.00798	0.002452	0.03801
220083_x_at	UCHL5	-7.73E-03	0.000998	0.020702
204628_s_at	ITGB3	0.016624	0.001565	0.027946
219034_at	PARP16	-0.0091	0.000432	0.011543
209274_s_at	ISCA1	-0.00976	0.002592	0.039509
201006_at	PRDX2	-0.00777	2.64E-04	0.008463
201261_x_at	BGN	0.019566	0.000262	0.008427
219917_at	ZCCHC4	-0.01048	0.002578	0.039383
222056_s_at	FAHD2A	-0.00893	0.000866	0.018684
210517_s_at	AKAP12	0.017875	0.001296	0.024734
209099_x_at	JAG1	0.012414	0.000956	0.020131
202734_at	TRIP10	0.010745	0.00257	0.039315
207052_at	HAVCR1	0.027262	0.000906	0.019285
206485_at	CD5	0.006138	0.001839	0.031347
209927_s_at	C1orf77	0.008932	0.002324	0.036871
205849_s_at	UQCRB	-0.00537	0.000313	0.009487

215380_s_at	GGCT	-0.00933	0.000407	0.011211
222217_s_at	SLC27A3	0.010847	0.002463	0.03808
204975_at	EMP2	0.012058	0.002994	0.043767
214719_at	SLC46A3	-9.14E-03	0.000301	0.009212
221622_s_at	TMEM126B	-0.0087	0.001443	0.02658
213662_at		0.006564	0.002037	0.033594
202804_at	ABCC1	0.011866	0.003345	0.047153
210096_at	CYP4B1	-0.0155	0.000675	0.015596
222324_at		-0.01294	0.002105	0.034456
207537_at	PFKFB1	-0.01304	0.00108	0.021859
200925_at	COX6A1	-0.00813	5.45E-04	0.013568
202789_at	PLCG1	0.005765	0.003272	0.046534
219181_at	LIPG	0.016017	0.000418	0.011382
204626_s_at	ITGB3	0.025923	0.000854	0.018504
201965_s_at	SETX	0.007303	0.003446	0.048123
206896_s_at	GNG7	-0.01119	0.00111	0.022246
216431_at		0.00839	0.002576	0.039383
203868_s_at	VCAM1	0.014512	0.000472	0.012317
202090_s_at	UQCR11	-0.00965	0.003612	0.049573
200795_at	SPARCL1	0.015763	6.46E-04	0.015176
218853_s_at	MOSPD1	-0.01029	0.003161	0.045646
211752_s_at	NDUFS7	-0.01067	0.002737	0.040928
201706_s_at	PEX19	-0.01092	0.001902	0.031961
215836_s_at	PCDHGA1	0.009667	0.000415	0.011318
202669_s_at	EFNB2	0.013508	0.000335	0.009848
206331_at	CALCRL	0.013406	0.003688	0.049934
203937_s_at	TAF1C	-0.0078	0.002184	0.035349
55093_at	CHPF2	0.011249	0.003701	0.049934
221489_s_at	SPRY4	0.013811	0.0021	0.034415
209066_x_at	UQCRB	-0.00605	0.002341	0.036983
202555_s_at	MYLK	0.011084	0.002763	0.04125
201338_x_at	GTF3A	-0.00671	0.00354	0.049048
218712_at	C1orf109	-0.00881	0.000705	0.016159
209101_at	CTGF	1.43E-02	0.003571	0.049345
205717_x_at	PCDHGA1	0.008159	0.002073	0.034068
215494_at		-0.00933	0.003144	0.045485
215821_x_at	PSG3	-0.01054	0.003279	0.046534
213438_at	NFASC	0.016223	0.003425	0.048014
210093_s_at	MAGOH	-0.00702	0.001243	0.023996