

**Table S2**

<b>probe</b>	<b>gene</b>	<b>effect</b>	<b>p.val</b>	<b>FDR</b>
1405_i_at	CCL5	-0.01873	3.02E-04	0.022821
200012_x_at	RPL21	-0.00419	0.000878	0.038577
200017_at	RPS27A	-0.00551	0.000325	0.023108
200018_at	RPS13	-0.00575	1.12E-04	0.015502
200032_s_at	RPL9	-0.00612	3.47E-05	0.008592
200059_s_at	RHOA	-0.00692	9.89E-05	0.014938
200062_s_at	RPL30	-0.00777	0.000245	0.021373
200080_s_at	H3F3A	-0.00436	1.20E-03	0.04576
200099_s_at	RPS3A	-0.0069	1.43E-06	0.003715
200644_at	MARCKSL1	-0.01237	1.28E-04	0.016535
200715_x_at	RPL13A	-0.00521	0.001047	0.041822
200741_s_at	RPS27	-0.00862	0.000285	0.022442
200768_s_at	MAT2A	0.008566	1.31E-05	0.006249
200769_s_at	MAT2A	0.009865	0.000253	0.021537
200781_s_at	RPS15A	-0.00696	0.001327	0.047503
200864_s_at	RAB11A	-0.01004	7.08E-04	0.034597
200896_x_at	HDGF	0.003615	0.000921	0.039698
200908_s_at	RPLP2	-0.0058	0.000118	0.01593
200934_at	DEK	-0.00741	0.000159	0.017671
200954_at	ATP6V0C	0.006023	1.60E-04	0.017702
200963_x_at	RPL31	-0.00422	0.000362	0.024083
200975_at	PPT1	-0.00676	2.95E-05	0.008212
201021_s_at	DSTN	-0.00527	0.001188	0.045419
201036_s_at	HADH	0.012259	0.00042	0.025723
201049_s_at	RPS18	-0.00727	0.00046	0.026751
201061_s_at	STOM	0.007061	0.000488	0.027736
201127_s_at	ACLY	0.006891	0.000594	0.030676
201135_at	ECHS1	0.010161	0.000625	0.031508
201136_at	PLP2	-0.01415	0.0006	0.030676
201163_s_at	IGFBP7	-0.00832	0.000125	0.016422
201257_x_at	RPS3A	-0.00585	3E-06	0.005634
201279_s_at	DAB2	0.008876	0.000579	0.030359
201288_at	ARHGDI B	-0.01084	0.001192	0.045475
201290_at	SEC11A	-0.00286	0.001186	0.045419
201312_s_at	SH3BGRL	-0.00778	0.000593	0.030676
201319_at	MYL12A	-0.00457	0.000823	0.037241
201347_x_at	GRHPR	0.011114	0.000541	0.029224
201349_at	SLC9A3R1	0.009346	0.001326	0.047503
201415_at	GSS	0.007768	0.000787	0.036534
201508_at	IGFBP4	0.011149	0.001261	0.046831
201569_s_at	SAMM50	0.008527	0.000917	0.039698
201649_at	UBE2L6	-0.00779	0.000408	0.025723
201668_x_at	MARCKS	-0.00869	0.000894	0.03903
201670_s_at	MARCKS	-0.01034	0.001049	0.041822
201739_at	SGK1	0.007652	0.000626	0.031508
201772_at	AZIN1	-0.00687	0.001334	0.047504
201796_s_at	VAR S	0.007937	0.000932	0.03994

201848_s_at	BNIP3	0.008217	0.001047	0.041822
201889_at	FAM3C	-0.00891	7.91E-04	0.036555
201891_s_at	B2M	-0.00593	0.000219	0.020779
201925_s_at	CD55	-0.00917	0.001245	0.046551
201984_s_at	EGFR	0.007629	0.001174	0.045307
202003_s_at	ACAA2	0.008443	0.000617	0.031317
202017_at	EPHX1	0.01325	2.18E-05	0.007474
202025_x_at	ACAA1	0.012458	0.000106	0.01523
202108_at	PEPD	0.017411	4.36E-05	0.009271
202178_at	PRKCZ	0.008533	0.001381	0.048347
202210_x_at	GSK3A	0.006314	0.001269	0.046999
202295_s_at	CTSH	0.00867	0.000781	0.036422
202340_x_at	NR4A1	0.010209	0.000611	0.031082
202422_s_at	ACSL4	-0.01435	2.9E-05	0.008212
202430_s_at	PLSCR1	-0.01238	0.000258	0.021895
202437_s_at	CYP1B1	-0.01608	3.52E-05	0.008628
202446_s_at	PLSCR1	-0.00925	0.000952	0.04024
202454_s_at	ERBB3	0.009417	0.000185	0.018963
202503_s_at	KIAA0101	-0.0129	1.65E-05	0.006378
202590_s_at	PDK2	0.012486	0.000603	0.03073
202598_at	S100A13	-0.01373	2.7E-05	0.008155
202622_s_at	ATXN2	0.006126	0.000101	0.014938
202733_at	P4HA2	0.013834	2.39E-05	0.00773
202740_at	ABHD14A	0.018181	0.000142	0.017117
202746_at	ITM2A	-0.01212	0.00041	0.025723
202752_x_at	SLC7A8	0.017822	1.11E-03	0.043657
202763_at	CASP3	-0.0078	0.000386	0.025079
202830_s_at	SLC37A4	0.012213	0.000219	0.020779
202833_s_at	SERPINA1	0.012506	0.000315	0.022884
202834_at	AGT	0.017067	3.18E-05	0.008212
202847_at	PCK2	0.016234	7.82E-05	0.013269
202888_s_at	ANPEP	0.01608	0.000288	0.022442
202889_x_at	MAP7	0.01035	0.000692	0.033948
202898_at	SDC3	-0.00893	0.001028	0.041793
202901_x_at	CTSS	-0.01246	0.000265	0.022122
202931_x_at	BIN1	0.009372	0.000731	0.035259
203132_at	RB1	-0.01262	0.000316	0.022884
203145_at	SPAG5	0.018395	7.92E-05	0.013269
203158_s_at	GLS	0.011511	3.2E-05	0.008212
203159_at	GLS	0.008525	0.000342	0.023726
203207_s_at	MTFR1	0.009629	0.001293	0.047094
203213_at	CDK1	-0.00831	0.000587	0.030616
203217_s_at	ST3GAL5	-0.01374	0.000335	0.023592
203256_at	CDH3	-0.01202	0.000663	0.032869
203316_s_at	SNRPE	-0.00503	0.000219	0.020779
203381_s_at	APOE	0.018606	0.000227	0.020863
203382_s_at	APOE	0.012178	0.000268	0.022122
203402_at	KCNAB2	0.012523	1.21E-05	0.006249
203416_at	CD53	-0.01908	0.000788	0.036534

203423_at	RBP1	-0.01184	0.000231	0.021
203434_s_at	MME	0.017203	0.000152	0.017365
203435_s_at	MME	0.017995	7.12E-05	0.012597
203441_s_at	CDH2	0.010165	0.000186	0.018963
203455_s_at	SAT1	-0.0056	0.000949	0.04024
203484_at	SEC61G	-0.0069	0.001132	0.044176
203559_s_at	ABP1	0.022491	0.000112	0.015502
203560_at	GGH	1.42E-02	0.001001	0.041139
203603_s_at	ZEB2	-0.01418	0.000814	0.037234
203628_at	IGF1R	0.010743	3.12E-05	0.008212
203671_at	TPMT	0.009015	0.000813	0.037234
203675_at	NUCB2	-0.00914	0.001035	0.041806
203718_at	PNPLA6	0.005889	0.001075	0.042535
203722_at	ALDH4A1	0.012769	0.001251	0.046616
203725_at	GADD45A	0.00813	0.001231	0.046175
203727_at	SKIV2L	0.005788	0.000736	0.035259
203765_at	GCA	-0.00745	0.000369	0.024449
203790_s_at	HRSP12	0.01423	0.001327	0.047503
203799_at	CD302	-0.01111	0.001358	0.047941
203814_s_at	NQO2	0.015558	0.000347	0.023726
203832_at	SNRPF	-0.00551	0.001354	0.047875
203892_at	WFDC2	-0.01804	7.62E-05	0.013262
203900_at	KIAA0467	0.006014	0.000897	0.039102
203908_at	SLC4A4	0.01697	0.000251	0.021434
203929_s_at	MAPT	0.013159	0.00102	0.041532
203964_at	NMI	-0.00797	0.001308	0.047461
203986_at	FAM47E	0.009323	0.000407	0.025723
204044_at	QPRT	0.014643	0.000175	0.018641
204057_at	IRF8	-0.0101	0.001375	0.048224
204066_s_at	AGAP1	0.013024	0.000104	0.015188
204115_at	GNG11	-0.00882	0.000453	0.026587
204118_at	CD48	-0.02196	0.000505	0.028206
204205_at	APOBEC3G	-0.01519	0.000262	0.022104
204221_x_at	GLIPR1	-0.00618	0.001306	0.047461
204224_s_at	GCH1	0.01272	0.000516	0.028468
204231_s_at	FAAH	0.012406	1.55E-05	0.006378
204232_at	FCER1G	-0.01759	0.00036	0.023981
204289_at	LOC100506517	0.013961	0.000287	0.022442
204290_s_at	ALDH6A1	0.01554	4.7E-05	0.009881
204294_at	AMT	0.009731	0.000287	0.022442
204301_at	KBTBD11	0.010021	0.000539	0.029224
204319_s_at	RGS10	-0.0116	0.000314	0.022884
204323_x_at	NF1	0.008999	0.000885	0.038796
204347_at	AK4	0.015645	0.000146	0.017265
204379_s_at	FGFR3	0.01435	3.68E-05	0.008648
204388_s_at	MAOA	0.015371	0.000596	0.030676
204415_at	IFI6	-0.01164	1.85E-05	0.006982
204430_s_at	SLC2A5	0.015803	0.000337	0.023689
204436_at	PLEKHO2	-0.00885	0.000248	0.021391

204517_at	PPIC	-0.00708	0.00071	0.034626
204584_at	L1CAM	-0.00934	0.001033	0.041806
204588_s_at	SLC7A7	0.020899	1.34E-05	0.006249
204606_at	CCL21	-0.01727	0.000571	0.030159
204638_at	ACP5	0.012631	0.000663	0.032869
204655_at	CCL5	-0.01289	0.001179	0.045356
204694_at	AFP	0.005111	0.001291	0.047094
204704_s_at	ALDOB	0.021707	0.000774	0.036312
204705_x_at	ALDOB	0.020875	0.000141	0.017117
204774_at	EVI2A	-0.01804	0.000399	0.025587
204812_at	ZW10	0.009281	0.000733	0.035259
204923_at	SASH3	-0.01385	0.000567	0.030043
204959_at	MNDA	-0.01605	0.000664	0.032869
204970_s_at	MAFG	0.007117	0.000182	0.018894
204972_at	OAS2	-0.01245	6.7E-06	0.006249
204973_at	GJB1	0.011068	0.000773	0.036312
205012_s_at	HAGH	0.010831	0.000524	0.028731
205044_at	GABRP	-0.01136	0.000483	0.027645
205074_at	SLC22A5	0.01286	0.000106	0.01523
205075_at	SERPINF2	0.011837	3.03E-05	0.008212
205081_at	CRIP1	-0.01555	0.000396	0.025512
205201_at	GLI3	0.008457	0.000203	0.019908
205208_at	ALDH1L1	0.013496	0.000465	0.026894
205216_s_at	APOH	0.022864	5.56E-05	0.011063
205243_at	SLC13A3	0.026576	3.61E-05	0.008648
205244_s_at	SLC13A3	0.026637	1.05E-05	0.006249
205306_x_at	KMO	0.017412	0.001228	0.046175
205307_s_at	KMO	0.019475	0.000283	0.022442
205311_at	DDC	0.021239	0.000198	0.019665
205315_s_at	SNTB2	0.009065	0.000688	0.03385
205364_at	ACOX2	0.017685	0.000497	0.027839
205380_at	PDZK1	0.009255	0.000822	0.037241
205464_at	SCNN1B	0.007237	0.001292	0.047094
205489_at	CRYM	0.011503	0.000103	0.015162
205502_at	CYP17A1	0.016842	0.00033	0.023315
205592_at	SLC4A1	0.022253	7.95E-07	0.003261
205624_at	CPA3	-0.02418	3.23E-05	0.008212
205653_at	CTSG	-0.02031	9.51E-07	0.003261
205675_at	MTTP	0.01927	0.0009	0.039169
205712_at	PTPRD	0.01407	4.1E-05	0.009128
205730_s_at	ABLIM3	0.014329	0.000352	0.023817
205750_at	BPHL	0.011935	0.000406	0.025723
205757_at	ENTPD5	0.017052	6.67E-06	0.006249
205768_s_at	SLC27A2	0.014786	0.0006	0.030676
205769_at	SLC27A2	0.014367	0.001008	0.04127
205796_at	TCP11L1	0.011146	0.000962	0.040294
205826_at	MYOM2	0.011091	0.001275	0.047094
205859_at	LY86	-0.01038	0.00062	0.031367
205860_x_at	FOLH1	0.020218	0.000316	0.022884

205892_s_at	FABP1	0.027405	0.00014	0.017117
205896_at	SLC22A4	0.015672	2.95E-05	0.008212
205898_at	CX3CR1	-0.01122	0.000171	0.018509
205939_at	CYP3A7	0.015359	0.001224	0.046175
205983_at	DPEP1	0.015801	0.000225	0.020845
206024_at	HPD	0.027719	0.000174	0.018641
206030_at	ASPA	0.016134	6.94E-05	0.012597
206058_at	SLC6A12	0.012995	0.000474	0.02727
206119_at	BHMT	0.017284	0.000348	0.023726
206155_at	ABCC2	0.019639	7.62E-05	0.013262
206217_at	EDA	0.007423	0.000231	0.021
206239_s_at	SPINK1	0.022801	0.000144	0.017125
206242_at	TM4SF5	0.009614	0.000138	0.017117
206249_at	MAP3K13	0.010327	0.000224	0.020845
206254_at	EGF	0.020958	0.000536	0.029224
206259_at	PROC	0.014063	0.000302	0.022821
206325_at	SERPINA6	0.019073	0.000182	0.018894
206332_s_at	IFI16	-0.01239	0.000999	0.041136
206363_at	MAF	0.013914	0.000356	0.023915
206396_at	SLC1A1	0.011076	0.001216	0.046161
206401_s_at	MAPT	1.27E-02	0.001364	0.048016
206457_s_at	DIO1	0.02117	0.000509	0.028347
206469_x_at	AKR7A3	0.015929	0.000406	0.025723
206483_at	LRRC6	0.006893	0.000266	0.022122
206484_s_at	XPNPEP2	0.029477	3.04E-06	0.005634
206492_at	FHIT	0.012152	8.12E-05	0.013406
206500_s_at	C14orf106	-0.01083	0.001406	0.04895
206514_s_at	CYP4F2	0.020693	0.00019	0.019206
206522_at	MGAM	0.017492	0.000234	0.021072
206527_at	ABAT	0.01769	0.000134	0.016854
206541_at	KLKB1	0.010282	1.32E-05	0.006249
206542_s_at	SMARCA2	-0.00651	1.97E-05	0.007077
206545_at	CD28	-0.00933	0.00112	0.043933
206584_at	LY96	-0.01621	0.001111	0.043657
206610_s_at	F11	0.01294	0.000306	0.022868
206629_at	ADAMTSL2	0.006125	0.000553	0.029617
206695_x_at	ZNF43	-0.00655	0.001013	0.041334
206716_at	UMOD	0.026963	0.000268	0.022122
206726_at	HPGDS	-0.01751	2.71E-05	0.008155
206730_at	GRIA3	0.011148	0.000955	0.040281
206748_s_at	SPAG9	0.00878	0.000989	0.041019
206754_s_at	CYP2B6	0.019027	0.00041	0.025723
206775_at	CUBN	0.022844	0.000144	0.017125
206809_s_at	HNRNPA3	-0.00424	0.000241	0.021339
206840_at	AFM	0.023753	0.000154	0.017401
206846_s_at	HDAC6	0.012663	0.000263	0.022122
206878_at	DAO	0.023692	3.24E-05	0.008212
206955_at	AQP7	0.013798	0.000749	0.035626
206964_at	NAT8B	0.014876	0.000518	0.028468

206978_at	CCR2	-0.0116	0.001288	0.047094
207044_at	THRB	0.007664	0.00082	0.037241
207049_at	SCN8A	0.011983	4.14E-05	0.009128
207050_at	CACNA2D1	0.00736	0.000463	0.026883
207076_s_at	ASS1	0.017944	1.66E-05	0.006378
207105_s_at	PIK3R2	0.006559	0.000657	0.032865
207184_at	SLC6A13	0.010833	0.000863	0.038159
207211_at	USP2	0.015527	0.001331	0.047503
207212_at	SLC9A3	0.008765	0.000824	0.037241
207213_s_at	USP2	0.022142	0.000434	0.026069
207243_s_at	CALM2	-0.00429	4.25E-05	0.009271
207275_s_at	ACSL1	0.012969	0.000348	0.023726
207277_at	CD209	-0.01521	0.000132	0.016759
207320_x_at	STAU1	0.006638	0.001123	0.043972
207339_s_at	LTB	-0.01095	0.000661	0.032869
207378_at	TREH	0.009078	0.000446	0.026494
207387_s_at	GK	0.013392	0.000215	0.020755
207407_x_at	CYP4A11	0.017402	0.000219	0.020779
207444_at	SLC22A13	0.015454	2.35E-05	0.007691
207497_s_at	MS4A2	-0.00995	0.001074	0.042535
207544_s_at	ADH6	0.015774	0.001151	0.044641
207560_at	SLC28A1	0.012801	0.000105	0.01523
207567_at	SLC13A2	0.013434	0.000319	0.022914
207655_s_at	BLNK	-0.01046	0.000236	0.021113
207858_s_at	PKLR	0.022878	4.11E-05	0.009128
207871_s_at	ST7	0.007165	0.001286	0.047094
207998_s_at	CACNA1D	0.009355	0.0001	0.014938
208006_at	FOXI1	0.009846	0.0003	0.022805
208012_x_at	SP110	-0.00852	0.001259	0.046821
208018_s_at	HCK	-0.00704	0.000555	0.029664
208032_s_at	GRIA3	0.009724	0.000278	0.022442
208091_s_at	VOPP1	-0.00909	0.001285	0.047094
208146_s_at	CPVL	-0.01278	0.00073	0.035259
208177_at	SLC34A1	0.028076	6.57E-06	0.006249
208252_s_at	CHST3	0.006874	0.000597	0.030676
208296_x_at	TNFAIP8	-0.01082	0.000375	0.024754
208318_s_at	XYLB	0.017022	0.000515	0.028468
208354_s_at	SLC12A3	0.018853	0.00085	0.037856
208369_s_at	GCDH	0.011954	0.000703	0.034421
208429_x_at	HNF4A	0.016236	0.000417	0.025723
208456_s_at	RRAS2	0.007724	0.000491	0.027817
208596_s_at	UGT1A1	0.01392	0.000383	0.024941
208651_x_at	CD24	-0.00737	0.000439	0.026228
208655_at	CCNI	-0.00348	0.000541	0.029224
208678_at	ATP6V1E1	0.004953	0.001362	0.048005
208707_at	EIF5	0.009813	0.000202	0.019871
208754_s_at	NAP1L1	-0.00903	0.000685	0.033739
208770_s_at	EIF4EBP2	0.005613	0.000282	0.022442
208808_s_at	HMGB2	-0.00991	6.94E-05	0.012597

208830_s_at	SUPT6H	0.008484	0.000315	0.022884
208850_s_at	THY1	0.016988	0.000248	0.021391
208851_s_at	THY1	0.017187	0.000176	0.018641
208885_at	LCP1	-0.01567	0.000183	0.018894
208997_s_at	UCP2	-0.0148	0.001186	0.045419
209112_at	CDKN1B	-0.00921	0.000267	0.022122
209120_at	NR2F2	-0.00808	6.13E-06	0.006249
209122_at	PLIN2	0.014288	0.000299	0.022805
209123_at	QDPR	0.014489	0.000434	0.026069
209173_at	AGR2	-0.02402	0.00011	0.015445
209214_s_at	EWSR1	-0.00587	0.000388	0.025097
209222_s_at	OSBPL2	0.005777	0.000442	0.026308
209234_at	KIF1B	0.007126	0.001069	0.042465
209340_at	UAP1	0.009289	0.00095	0.04024
209368_at	EPHX2	0.014145	0.000315	0.022884
209371_s_at	SH3BP2	0.014988	0.000145	0.01718
209374_s_at	IGHM	-0.02283	5.12E-05	0.010372
209409_at	GRB10	0.010214	0.000389	0.025097
209410_s_at	GRB10	0.012493	1.3E-05	0.006249
209459_s_at	ABAT	0.015971	0.001129	0.044128
209460_at	ABAT	0.018572	4.88E-05	0.010064
209468_at	LRP5	0.009515	0.000419	0.025723
209514_s_at	RAB27A	-0.01198	0.001294	0.047094
209600_s_at	ACOX1	0.011373	4.36E-05	0.009271
209605_at	TST	0.010332	0.000426	0.025814
209612_s_at	ADH1B	-0.01664	0.000964	0.040294
209686_at	S100B	-0.01246	6.12E-06	0.006249
209696_at	FBP1	0.017983	5.7E-05	0.011244
209762_x_at	SP110	-0.01108	0.000411	0.025723
209771_x_at	CD24	-0.00773	0.000417	0.025723
209786_at	HMGNA4	-0.00743	0.001426	0.049344
209795_at	CD69	-0.01712	0.000579	0.030359
209806_at	HIST1H2BK	-0.01195	0.000938	0.039986
209897_s_at	SLIT2	0.012047	2.59E-05	0.008017
209970_x_at	CASP1	-0.01284	0.000766	0.036138
209977_at	PLG	0.032541	5.43E-06	0.006249
209978_s_at	LPA	0.035357	6.02E-06	0.006249
210012_s_at	EWSR1	0.009421	0.000141	0.017117
210021_s_at	CCNO	-0.00803	0.000244	0.021373
210031_at	CD247	-0.00947	0.000135	0.01691
210072_at	CCL19	-0.02009	0.00032	0.02293
210074_at	CTSL2	0.015461	0.000382	0.024941
210119_at	KCNJ15	0.009656	7.89E-05	0.013269
210201_x_at	BIN1	0.010031	0.001151	0.044641
210337_s_at	ACLY	0.007695	0.000493	0.027839
210343_s_at	SLC22A6	0.020454	0.000119	0.015965
210371_s_at	RBBP4	-0.00656	7.06E-05	0.012597
210399_x_at	FUT6	0.010122	0.00015	0.017365
210426_x_at	RORA	9.74E-03	4.83E-05	0.010064

210451_at	PKLR	0.016012	0.000998	0.041136
210452_x_at	CYP4F2	0.019447	9.87E-05	0.014938
210476_s_at	PRLR	0.013757	0.000843	0.037825
210513_s_at	VEGFA	0.011343	0.000936	0.039986
210629_x_at	LST1	-0.01255	0.000154	0.017401
210648_x_at	SNX3	-0.00475	0.000296	0.022721
210654_at	TNFRSF10D	0.006288	0.000844	0.037825
210663_s_at	KYNU	0.013005	0.000379	0.024843
210738_s_at	SLC4A4	0.016794	0.00104	0.041806
210739_x_at	SLC4A4	0.0155	0.000155	0.017402
210786_s_at	FLI1	-0.00901	0.001342	0.047677
210839_s_at	ENPP2	0.011175	0.000307	0.022868
210840_s_at	IQGAP1	-0.00765	0.000962	0.040294
210852_s_at	AASS	0.008514	0.000128	0.016535
210871_x_at	SSX2IP	0.010432	0.000282	0.022442
210915_x_at	TRBC1	-0.02079	0.000271	0.022256
210944_s_at	CAPN3	0.01623	0.000459	0.026751
210951_x_at	RAB27A	-0.01377	0.000453	0.026587
210982_s_at	HLA-DRA	-0.01337	0.000467	0.026937
210999_s_at	GRB10	0.008898	0.000151	0.017365
211028_s_at	KHK	0.022114	7.3E-06	0.006249
211034_s_at	C12orf51	0.006323	0.000597	0.030676
211138_s_at	KMO	0.017556	0.000497	0.027839
211231_x_at	CYP4A11	0.023614	2.33E-05	0.007691
211270_x_at	PTBP1	0.004275	0.00034	0.023726
211298_s_at	ALB	0.034533	1.18E-05	0.006249
211303_x_at	FOLH1B	0.018428	0.000488	0.027736
211360_s_at	ITPR2	0.008092	0.001419	0.049174
211366_x_at	CASP1	-0.01201	0.000165	0.018103
211368_s_at	CASP1	-0.01565	0.000222	0.020805
211429_s_at	SERPINA1	0.011527	0.000346	0.023726
211456_x_at	MT1P2	0.012798	0.00092	0.039698
211465_x_at	FUT6	0.013547	3.07E-05	0.008212
211494_s_at	SLC4A4	0.012868	0.00024	0.021297
211529_x_at	HLA-G	-0.009	0.000992	0.041066
211542_x_at	RPS10	-0.00828	0.000142	0.017117
211552_s_at	ALDH4A1	0.014159	0.000344	0.023726
211569_s_at	HADH	0.013071	0.000862	0.038159
211581_x_at	LST1	-1.32E-02	0.000279	0.022442
211582_x_at	LST1	-0.01348	0.000575	0.030275
211597_s_at	HOPX	-0.01812	0.0006	0.030676
211682_x_at	UGT2B28	0.009653	0.001005	0.04122
211704_s_at	SPIN2A	-0.00693	0.000125	0.016422
211712_s_at	ANXA9	0.010972	3.77E-05	0.008648
211776_s_at	EPB41L3	0.009831	0.00127	0.046999
211795_s_at	FYB	-0.01393	0.000132	0.016759
211796_s_at	TRBC1	-0.02535	0.000891	0.039003
211806_s_at	KCNJ15	0.01153	0.001382	0.048347
211883_x_at	CEACAM1	0.009476	0.000497	0.027839



211890_x_at	CAPN3	0.018546	0.000149	0.017365
211950_at	UBR4	0.007654	0.000235	0.021072
211962_s_at	ZFP36L1	-0.00665	1.56E-05	0.006378
211967_at	TMEM123	-0.01213	2.47E-05	0.007876
211991_s_at	HLA-DPA1	-0.01603	0.001111	0.043657
212000_at	SUGP2	0.006832	0.001311	0.047499
212001_at	SUGP2	0.005898	0.000627	0.031508
212051_at	WIPF2	0.007842	0.000729	0.035259
212231_at	FBXO21	7.98E-03	0.001152	0.044641
212352_s_at	TMED10	-0.00652	0.000179	0.018894
212359_s_at	KIAA0913	0.006477	0.001042	0.041822
212369_at	ZNF384	0.006164	0.001039	0.041806
212391_x_at	RPS3A	-0.0062	1.47E-05	0.006378
212432_at	GRPEL1	0.008612	0.000201	0.019871
212445_s_at	NEDD4L	0.007528	0.001335	0.047504
212448_at	NEDD4L	0.009078	0.000929	0.03994
212456_at	KIAA0664	0.007482	7.01E-05	0.012597
212470_at	SPAG9	0.008049	0.000244	0.021373
212519_at	UBE2E1	-0.00651	0.000663	0.032869
212588_at	PTPRC	-0.01578	0.000356	0.023915
212650_at	EHBP1	0.004762	0.000514	0.028468
212701_at	TLN2	0.017839	1.48E-05	0.006378
212703_at	TLN2	0.018334	4.21E-07	0.003261
212741_at	MAOA	0.012752	9.71E-05	0.014938
212750_at	PPP1R16B	0.019805	7.11E-05	0.012597
212806_at	PRUNE2	0.01299	0.000435	0.026069
212857_x_at	SUB1	-0.00513	0.00023	0.021
212874_at	APOE	0.012843	0.000212	0.020649
212883_at	APOE	0.022596	5.76E-05	0.011262
212884_x_at	APOE	0.01224	0.00028	0.022442
212906_at	GRAMD1B	0.013779	0.00015	0.017365
212950_at	GPR116	0.011602	0.000323	0.023086
212967_x_at	NAP1L1	-5.88E-03	0.000819	0.037241
213033_s_at	NFIB	0.00691	0.000848	0.037856
213037_x_at	STAU1	0.006973	0.000666	0.032884
213050_at	COBL	7.45E-03	0.000799	0.036754
213132_s_at	MCAT	0.009223	0.000306	0.022868
213140_s_at	SS18L1	0.00857	0.001049	0.041822
213151_s_at	SEPT7	-0.00759	0.001325	0.047503
213193_x_at	TRBC1	-0.02292	0.000415	0.025723
213264_at	PCBP2	0.007114	0.000998	0.041136
213274_s_at	CTSB	0.011997	0.000931	0.03994
213293_s_at	TRIM22	-0.01326	0.000479	0.027487
213332_at	PAPPA2	-0.01556	0.000421	0.025723
213362_at	PTPRD	0.008618	0.000194	0.019338
213377_x_at	RPS12	-0.00833	2.14E-05	0.00746
213381_at	C10orf72	0.015418	0.000356	0.023915
213383_at	SBF1	0.007452	0.000918	0.039698
213509_x_at	CES2	0.012671	0.001408	0.04895

213513_x_at	ARPC2	-0.00558	0.000209	0.02041
213603_s_at	RAC2	-0.01407	0.000422	0.025723
213642_at		-0.00525	0.001229	0.046175
213657_s_at		0.012937	0.000592	0.030676
213664_at	SLC1A1	1.39E-02	0.000124	0.016422
213687_s_at	RPL35A	-0.006	0.00034	0.023726
213697_at	HIPK3	0.00727	0.001279	0.047094
213705_at	LOC100509558	0.008025	9.41E-05	0.014654
213792_s_at	INSR	0.012044	8.36E-05	0.01349
213857_s_at	CD47	-0.00921	0.000299	0.022805
213864_s_at	NAP1L1	-0.00587	0.000282	0.022442
213869_x_at	THY1	0.016086	5.4E-05	0.010842
213944_x_at	GNA11	0.005941	0.000846	0.037844
213975_s_at	LYZ	-0.02671	1.25E-05	0.006249
214000_s_at	RGS10	-0.01634	0.000233	0.021068
214001_x_at		-0.00525	0.001158	0.044793
214039_s_at	LAPTM4B	-0.0076	0.001065	0.042362
214041_x_at	RPL37A	-0.00333	0.001391	0.048498
214066_x_at	NPR2	0.00661	0.000861	0.038159
214069_at	ACSM2A	0.018764	0.000309	0.022884
214088_s_at	FUT3	0.017655	8.34E-07	0.003261
214181_x_at	LST1	-0.01437	0.000743	0.035498
214235_at	CYP3A5	0.011648	0.000305	0.022868
214261_s_at	ADH6	0.014764	0.000328	0.023287
214274_s_at	ACAA1	0.014902	9.15E-06	0.006249
214321_at	NOV	-0.01345	0.000295	0.022721
214347_s_at	DDC	0.017264	0.000735	0.035259
214423_x_at	ALDOB	0.019362	0.000352	0.023817
214424_s_at	ALDOB	0.027061	0.000222	0.020805
214428_x_at	C4A	0.011106	0.00075	0.035626
214453_s_at	IFI44	-0.01498	0.000191	0.019262
214470_at	KLRB1	-0.01289	0.000568	0.030043
214475_x_at	CAPN3	0.018298	0.000187	0.018973
214490_at	ARSF	0.016164	6.58E-05	0.012415
214574_x_at	LST1	-0.01574	0.000193	0.019319
214604_at	HOXD11	-0.00641	0.001391	0.048498
214681_at	GK	0.014133	0.000653	0.032779
214696_at	C17orf91	0.012154	9.16E-05	0.014467
214724_at	DIXDC1	0.00871	0.000316	0.022884
214776_x_at	XYLB	0.01425	0.000168	0.018224
214778_at	MEGF8	0.007163	0.000964	0.040294
214807_at		0.008277	0.000961	0.040294
214864_s_at	GRHPR	0.010177	0.000251	0.021434
214905_at	RASGRF1	0.005149	0.000183	0.018894
214999_s_at	RAB11FIP3	0.024998	8.45E-06	0.006249
215005_at	NECAB2	0.015428	2.55E-05	0.008012
215210_s_at	DLST	0.009031	0.00025	0.021434
215274_at	SLC12A3	0.019333	8.72E-06	0.006249
215363_x_at	FOLH1	0.019003	0.000804	0.036948

215450_at	SNRPE	-0.0046	0.000157	0.017604
215471_s_at	MAP7	0.009994	0.001038	0.041806
215726_s_at	CYB5A	0.010398	0.000515	0.028468
215758_x_at	ZNF93	-0.00754	8.61E-05	0.013804
215783_s_at	ALPL	0.014456	0.000533	0.029198
215820_x_at	SNX13	0.005373	0.000341	0.023726
215966_x_at	GK3P	0.016165	5.92E-05	0.011464
215975_x_at		0.015474	0.000107	0.015261
215977_x_at	GK	0.016519	0.000454	0.026587
216024_at	DNM2	0.007837	7.99E-05	0.013284
216191_s_at	TRDV3	-1.38E-02	2.13E-05	0.00746
216223_at	CPN2	0.019292	0.000415	0.025723
216308_x_at	GRHPR	0.010942	0.000379	0.024843
216342_x_at		-0.00522	1.27E-05	0.006249
216379_x_at	CD24	-0.00817	0.000435	0.026069
216425_at		0.011679	0.000117	0.01593
216489_at	TRPM3	0.012111	0.00075	0.035626
216505_x_at		-0.00762	0.000416	0.025723
216515_x_at	MIR1244-1	-0.00495	0.000769	0.036233
216526_x_at	HLA-C	-0.0069	0.001327	0.047503
216599_x_at	SLC22A6	0.021461	7.84E-05	0.013269
216600_x_at	ALDOB	0.017874	0.000766	0.036138
216823_at	RPS3A	-0.00846	1.08E-05	0.006249
216886_at	CHRNA4	0.012757	4.11E-05	0.009128
216910_at	XPNPEP2	0.031797	3.8E-06	0.006049
217023_x_at	TPSAB1	-0.01244	0.000832	0.037527
217167_x_at	GK	0.017685	3.06E-05	0.008212
217238_s_at	ALDOB	0.017539	0.000587	0.030616
217256_x_at		-0.00446	0.001229	0.046175
217257_at	SH3BP2	0.015864	1.5E-06	0.003715
217313_at		-0.00617	0.000125	0.016422
217319_x_at	CYP4A22	0.019329	2.94E-05	0.008212
217328_at		-0.00548	0.000358	0.023954
217483_at	FOLH1	0.014581	0.000448	0.026549
217530_at	SLC34A1	0.022793	1.64E-05	0.006378
217547_x_at	ZNF675	-6.07E-03	0.001436	0.049454
217557_s_at	CPM	0.009723	0.000316	0.022884
217612_at	TIMM50	0.008738	0.000987	0.041017
217728_at	S100A6	-0.0174	4.51E-07	0.003261
217762_s_at	RAB31	-0.01088	0.001037	0.041806
217838_s_at	EVL	-0.00771	0.001222	0.046175
217874_at	SUCLG1	0.009594	0.000735	0.035259
217914_at	TPCN1	0.009857	0.000539	0.029224
217973_at	DCXR	0.013802	0.001368	0.048073
217975_at	WBP5	-0.00772	0.00078	0.036422
218003_s_at	FKBP3	-0.00406	0.001206	0.045829
218094_s_at	DBNDD2	-0.01071	0.000318	0.022914
218124_at	RETSAT	0.00969	1.22E-05	0.006249
218157_x_at	CDC42SE1	-9.46E-03	0.001244	0.046551

218184_at	TULP4	0.005124	0.000423	0.025723
218192_at	IP6K2	-0.00625	0.000376	0.024754
218245_at	TSKU	0.014643	1.02E-06	0.003261
218272_at	TTC38	0.013506	4.37E-05	0.009271
218487_at	ALAD	0.012331	0.000226	0.020845
218611_at	IER5	-0.01033	0.000874	0.038533
218667_at	PJA1	-0.00779	0.00055	0.029516
218844_at	ACSF2	0.017294	1.11E-05	0.006249
218858_at	DEPDC6	-0.01102	1.35E-05	0.006249
218872_at	TESC	-0.01406	8.03E-06	0.006249
218960_at	TMPRSS4	-0.0117	0.00133	0.047503
218983_at	C1RL	-0.00953	0.000875	0.038541
219076_s_at	PXMP2	0.012567	0.000131	0.016713
219119_at	NAA38	-0.00853	0.000549	0.029516
219140_s_at	RBP4	0.022616	0.000426	0.025814
219161_s_at	CKLF	-0.01292	2.93E-05	0.008212
219194_at	SEMA4G	0.009937	0.000978	0.040728
219215_s_at	SLC39A4	0.014908	3.7E-05	0.008648
219243_at	GIMAP4	-0.01146	0.00022	0.020779
219268_at	ETNK2	0.015836	6.71E-05	0.012555
219281_at	MSRA	0.016953	6.74E-06	0.006249
219440_at	RAI2	-0.01173	0.000215	0.020755
219527_at	MOSC2	0.015483	6.42E-06	0.006249
219594_at	NINJ2	-1.01E-02	9.59E-06	0.006249
219610_at	RGNEF	0.00948	0.000759	0.035991
219630_at	PDZK1IP1	0.018041	0.000284	0.022442
219632_s_at	TRPV1	0.010926	0.00011	0.015445
219655_at	C7orf10	0.013644	0.000282	0.022442
219705_at	QSER1	-0.00665	0.000714	0.034727
219722_s_at	GDPD3	0.01195	0.001347	0.047697
219723_x_at	AGPAT3	0.012108	0.000412	0.025723
219739_at	RNF186	0.021877	1.12E-05	0.006249
219773_at	NOX4	0.016147	0.00143	0.049386
219796_s_at	CDHR5	0.012321	0.000941	0.039986
219803_at	ANGPTL3	0.024502	7.87E-05	0.013269
219873_at	COLEC11	0.013739	0.000165	0.018103
219891_at	PGPEP1	0.011251	0.000152	0.017365
219902_at	BHMT2	0.016731	1.49E-05	0.006378
219915_s_at	SLC16A10	0.014069	0.000794	0.036636
219954_s_at	GBA3	0.013914	0.001344	0.047677
219986_s_at	ACAD10	0.008939	0.00086	0.038159
220005_at	P2RY13	-0.01141	0.000562	0.029972
220020_at	XPNPEP3	0.009666	6.42E-05	0.012222
220061_at	ACSM5	0.019857	8.89E-06	0.006249
220075_s_at	CDHR5	0.027675	1.31E-05	0.006249
220094_s_at	CCDC90A	0.007498	0.001189	0.045419
220100_at	SLC22A11	0.017888	0.000418	0.025723
220135_s_at	SLC7A9	0.024766	1.96E-05	0.007077
220149_at	C2orf54	0.020748	7.12E-05	0.012597

220178_at	C19orf28	0.011693	9.84E-05	0.014938
220186_s_at	CDHR2	1.77E-02	7.01E-07	0.003261
220303_at	PDZD3	1.33E-02	3.32E-05	0.008299
220310_at	TUBAL3	0.020366	3.66E-05	0.008648
220382_s_at	ARHGAP28	0.013676	0.000782	0.036422
220507_s_at	UPB1	0.024939	1.4E-05	0.006364
220591_s_at	EFHC2	-0.01039	0.000246	0.021373
220604_x_at	FTCD	0.022412	4.31E-06	0.006249
220642_x_at	GPR89A	0.00962	0.000824	0.037241
220671_at	CCRN4L	0.013471	0.000287	0.022442
220727_at	KCNK10	0.014881	1.94E-05	0.007077
220740_s_at	SLC12A6	0.012269	2.8E-06	0.005634
220753_s_at	CRYL1	0.013241	0.000451	0.026587
220773_s_at	GPHN	0.014299	0.000172	0.018509
220801_s_at	HAO2	0.024555	6.29E-05	0.012075
220892_s_at	PSAT1	0.020079	0.000346	0.023726
220931_at	MGC5590	0.012111	2.76E-05	0.008193
220951_s_at	A1CF	0.017803	0.001176	0.045307
221004_s_at	ITM2C	-0.01296	0.000939	0.039986
221163_s_at	MLXIPL	0.007921	0.000497	0.027839
221188_s_at	CIDEB	0.010035	0.000117	0.01593
221194_s_at	RNFT1	0.007217	0.000294	0.022721
221246_x_at	TNS1	0.007078	0.000278	0.022442
221298_s_at	SLC22A8	0.025798	8.26E-05	0.01349
221305_s_at	UGT1A8	0.027806	3.45E-06	0.005905
221474_at	MYL12B	-0.00603	0.000142	0.017117
221552_at	ABHD6	0.01353	8.31E-05	0.01349
221565_s_at	CALHM2	-0.00716	9.96E-05	0.014938
221572_s_at	SLC26A6	0.011713	1.6E-05	0.006378
221588_x_at	ALDH6A1	0.01539	0.000455	0.026592
221589_s_at	LOC100506517	0.013652	0.001111	0.043657
221590_s_at	ALDH6A1	0.016335	0.000295	0.022721
221605_s_at	PIPOX	0.02134	0.000183	0.018894
221636_s_at	MOSC2	0.013734	2.35E-05	0.007691
221666_s_at	PYCARD	-0.0119	0.001225	0.046175
221679_s_at	ABHD6	0.02136	8.95E-06	0.006249
221879_at	CALML4	0.011137	0.000905	0.039317
221881_s_at	CLIC4	0.009173	0.00101	0.041274
221943_x_at	RPL38	-0.00481	0.000116	0.015916
222001_x_at	LOC728855	-0.00605	0.001328	0.047503
222049_s_at	RBP4	0.023656	0.000486	0.027736
222078_at	PKLR	0.015993	0.000167	0.018224
222083_at	GLYAT	0.017102	0.000969	0.040417
222257_s_at	ACE2	0.016484	0.001329	0.047503
266_s_at	CD24	-0.01116	3.76E-05	0.008648
33494_at	ETFDH	0.009311	0.000835	0.037587
36994_at	ATP6V0C	0.007093	9.3E-05	0.014592
37201_at	ITIH4	0.00814	0.000564	0.029991
37424_at	CCHCR1	-0.006	0.000128	0.016535

40016_g_at	MAST4	0.010368	0.000109	0.015445
41386_i_at	KDM6B	0.010613	0.001432	0.049386
41577_at	PPP1R16B	1.63E-02	8.81E-05	0.01402
41660_at	CELSR1	0.011763	1.13E-05	0.006249
42361_g_at	CCHCR1	-0.00724	0.000542	0.029224
45288_at	ABHD6	0.011905	0.001283	0.047094
52940_at	LOC100294402	0.010642	0.001151	0.044641
57539_at	ZGPAT	0.013946	0.001251	0.046616
64408_s_at	CALML4	0.011634	0.000789	0.036534
65718_at	GPR124	-0.00532	0.000237	0.021158
89977_at	ACSM5	0.018855	4.97E-05	0.010166
AFFX-r2-Ec-bioB-M_at		0.018783	0.001419	0.049174