

SUPPLEMENTAL MATERIAL

Genetic Variation in Radiation-Induced Cell Death

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Figure S1. Venn Diagram of Radiation-Responsive Genes identified in this and our previous study.

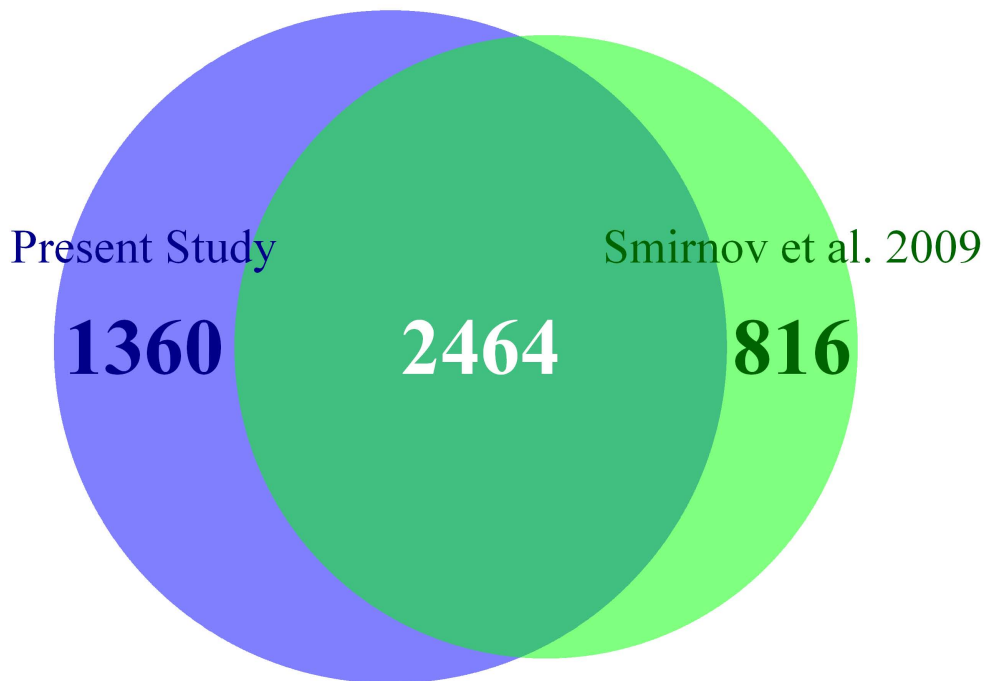


Figure S2. Ingenuity analysis of regulators identified in this study

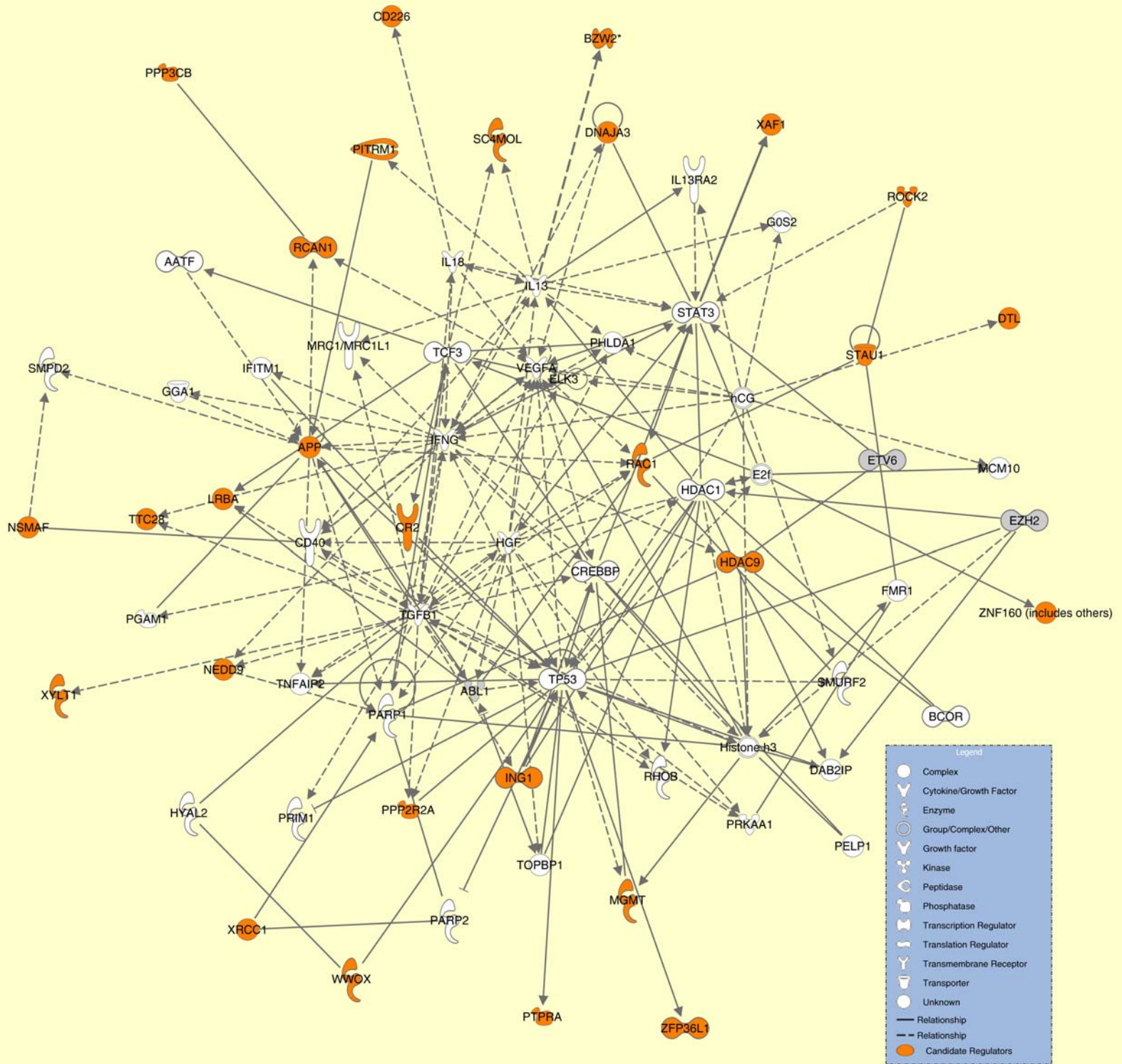
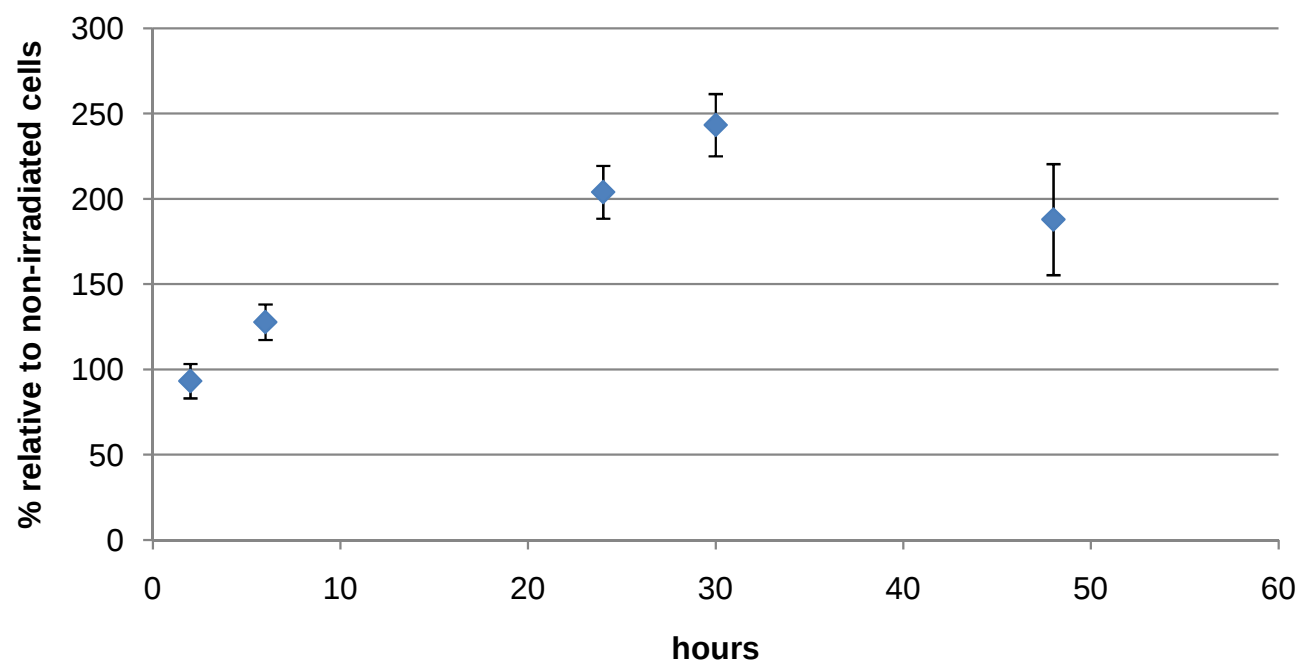


Figure S3. Relative Caspase 3/7 activity



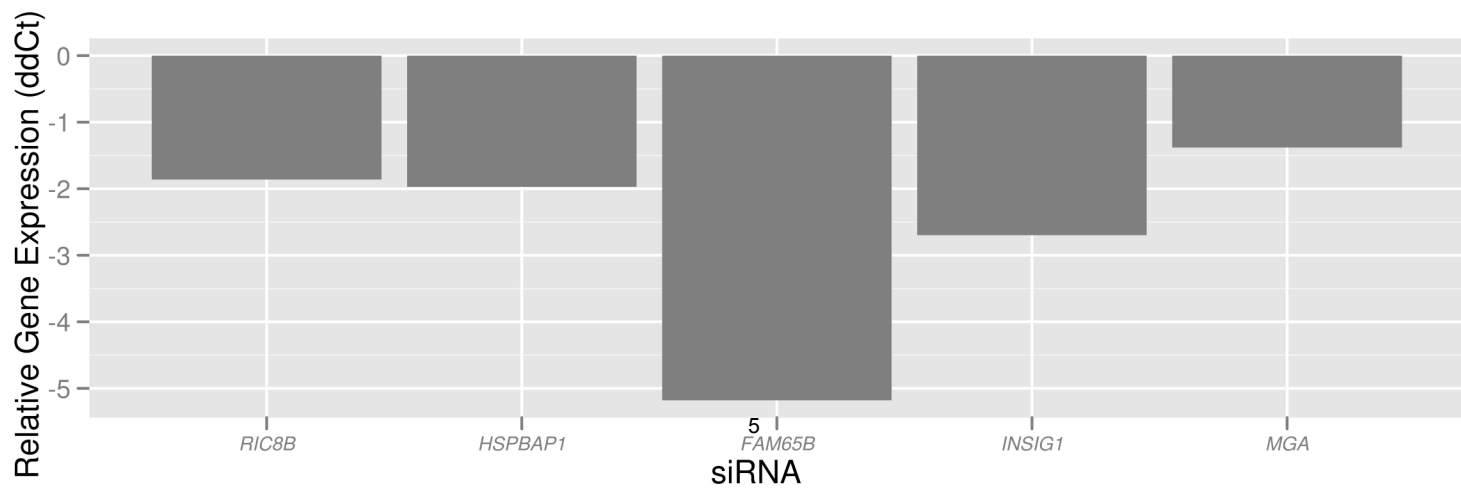
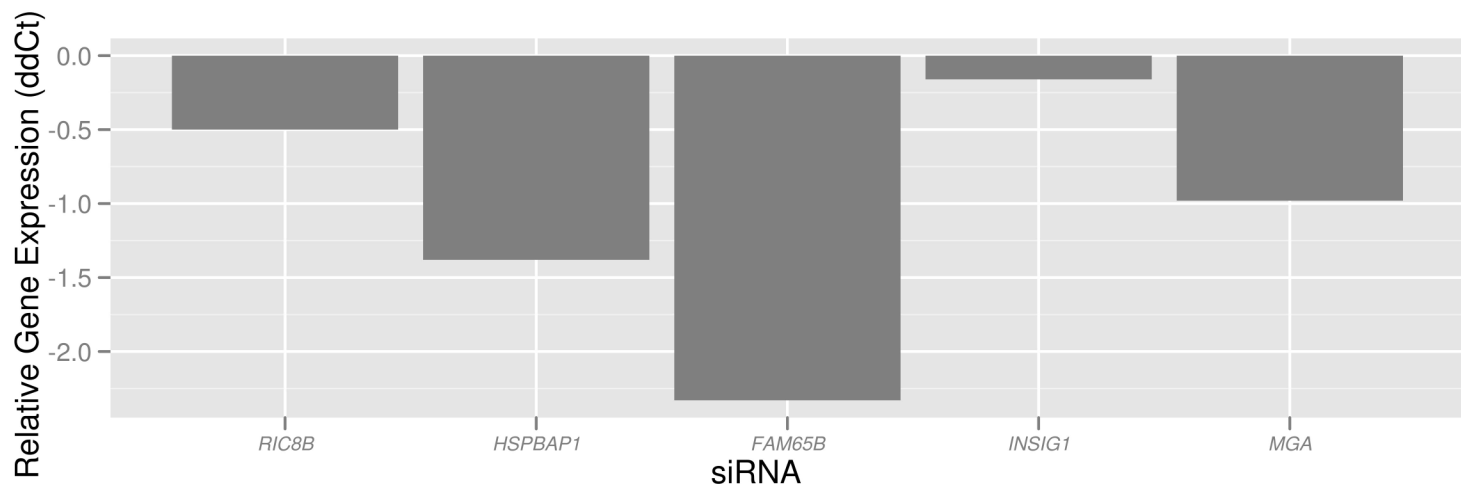
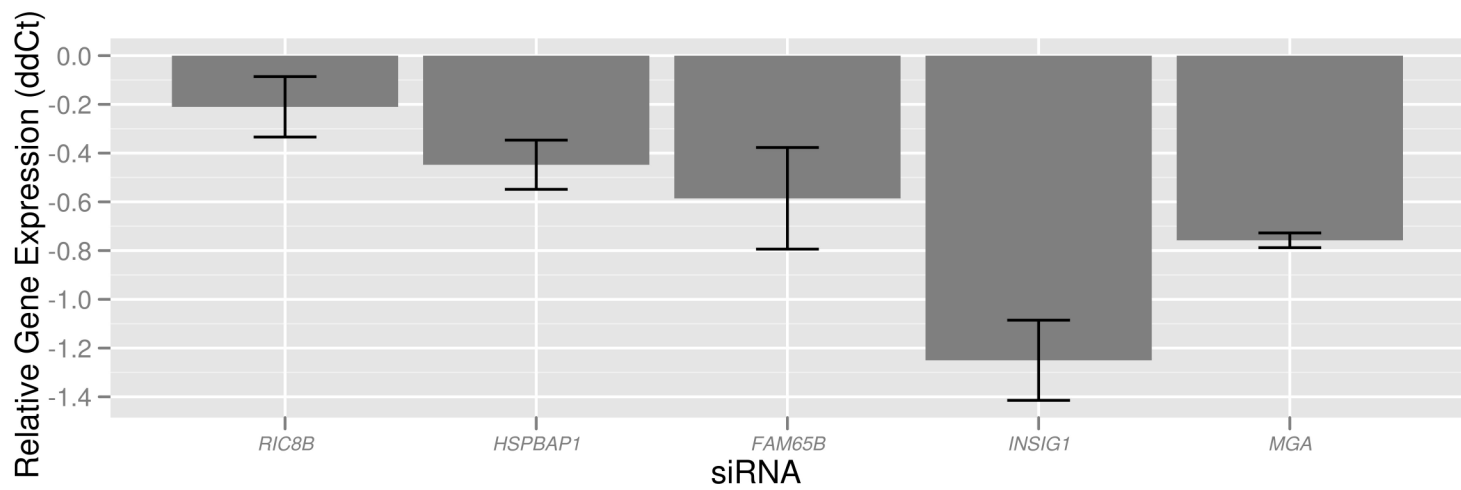


Figure S5. Examples of genes that show dose-dependent changes in gene expression. Cultured B-cells were exposed to 2, 4, 6, 8 and 10 Gy of radiation. Gene expression levels were measured before and following radiation using microarrays.

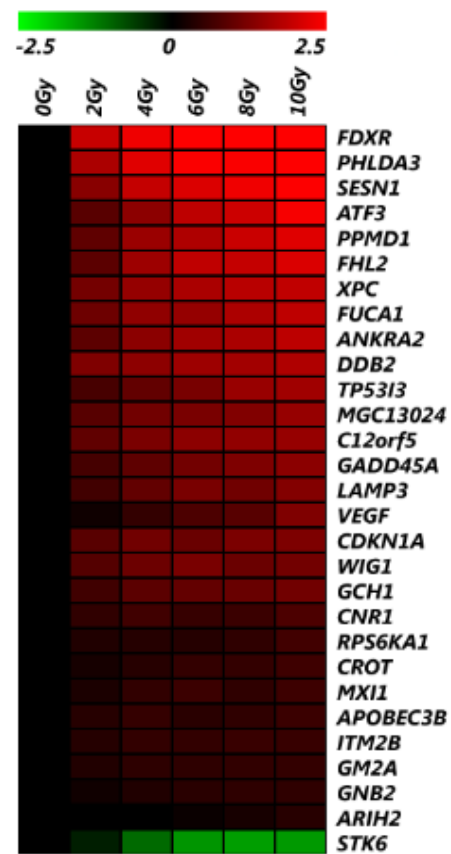


Table S1: List of IR-responsive genes, including the 2464 genes identified as IR-responsive genes in both studies

Affy ID	Gene	Current Study		Smirnov et al, Nature 459, 587-591, 2009	
		2hr	6hr	2hr	6hr
		avg log2 fold change		avg log2 fold change	
201939_at	PLK2	2.37	2.24	2.46	2.41
221577_x_at	GDF15	1.68	2.70	1.33	2.77
202672_s_at	ATF3	1.65	1.19	1.97	1.35
204566_at	PPM1D	1.57	1.91	1.65	2.08
217373_x_at	MDM2	1.31	1.62	1.53	1.93
205386_s_at	MDM2	1.23	1.26	1.36	1.56
204420_at	FOSL1	1.22	1.90		
202284_s_at	CDKN1A	1.21	1.44	1.39	1.85
201739_at	SGK1	1.19	0.24	1.30	0.76
211692_s_at	BBC3	1.18	1.01	0.99	0.91
212907_at	SLC30A1	1.16	1.02	0.52	0.77
214963_at	NUP160	1.15	0.50	0.96	0.35
209324_s_at	RGS16	1.10	1.11	0.83	1.02
203725_at	GADD45A	1.09	1.48	1.31	1.78
201566_x_at	ID2	1.08	-0.28	0.94	-0.17
204802_at	RRAD	1.08	2.49	1.00	2.61
219361_s_at	AEN	1.05	0.86	1.01	1.02
206907_at	TNFSF9	1.03	0.70	1.27	1.00
209325_s_at	RGS16	0.95	1.00	0.67	0.86
217542_at	MDM2	0.90	2.13	0.29	1.77
201565_s_at	ID2	0.88	-0.20	0.81	-0.11
214790_at	SENP6	0.85	0.35	0.63	0.26
218346_s_at	SESN1	0.85	2.41	0.75	2.60
201466_s_at	JUN	0.85	-0.07	1.48	-0.08
204286_s_at	PMAIP1	0.84	0.69	0.84	0.67
204897_at	PTGER4	0.83	-0.32	0.67	-0.26
204695_at	CDC25A	0.82	-0.22	0.66	-0.35
213281_at	JUN	0.82	-0.03	1.07	-0.08
211998_at	H3F3B	0.81	-0.12	0.77	-0.09
214962_s_at	NUP160	0.80	0.39	0.66	0.38
209193_at	PIM1	0.78	-0.15	0.86	0.03
204525_at	PHF14	0.75	0.00	0.76	0.15
206919_at	ELK4	0.75	-0.29		
213537_at	HLA-DPA1	0.74	-0.45	0.76	-0.26
201631_s_at	IER3	0.74	0.68	0.38	0.49
222044_at	PCIF1	0.73	0.10	0.49	0.06
201464_x_at	JUN	0.73	-0.04	0.91	-0.08
36564_at	RNF19B	0.72	1.12	0.61	1.07
222309_at	C6orf62	0.72	0.50	0.70	0.43
205220_at	NIACR2	0.71	1.41	0.42	1.14
219312_s_at	ZBTB10	0.71	-0.03	1.00	0.05
209211_at	KLF5	0.70	-0.17	0.67	-0.15
222270_at	SMEK2	0.70	-0.22	1.13	-0.53
213038_at	RNF19B	0.68	1.05		
220476_s_at	C1orf183	0.68	1.55	1.09	1.76
202935_s_at	SOX9	0.68	0.06	0.47	0.09
219099_at	C12orf5	0.68	1.17	0.70	1.43
219681_s_at	RAB11FIP1	0.68	-0.45	0.61	-0.23
201368_at	ZFP36L2	0.67	0.09	0.53	0.03
204285_s_at	PMAIP1	0.67	0.58	0.69	0.58

Table S1

219347_at	<i>NUDT15</i>	0.67	0.69	0.62	0.71
202014_at	<i>PPP1R15A</i>	0.67	-0.11	0.67	-0.21
217678_at	<i>SLC7A11</i>	0.66	0.26	0.14	-0.19
214683_s_at	<i>CLK1</i>	0.65	0.58	0.53	0.50
205114_s_at	<i>CCL3</i>	0.64	-0.23	0.59	-0.34
218611_at	<i>IER5</i>	0.64	0.54	0.77	0.73
222281_s_at	---	0.64	0.80	0.39	0.45
222045_s_at	<i>PCIF1</i>	0.63	0.02	0.68	0.15
217682_at	<i>C16orf72</i>	0.63	-0.10	0.53	-0.16
209295_at	<i>TNFRSF10B</i>	0.63	0.73	0.58	0.97
215719_x_at	<i>FAS</i>	0.61	1.06	0.59	1.31
204206_at	<i>MNT</i>	0.61	-0.61	0.43	-0.50
208776_at	<i>PSMD11</i>	0.59	-0.03		
216252_x_at	<i>FAS</i>	0.58	1.05	0.54	1.27
218634_at	<i>PHLDA3</i>	0.58	1.28	0.67	1.49
204440_at	<i>CD83</i>	0.58	0.19	0.66	0.35
203989_x_at	<i>F2R</i>	0.57	1.30	0.66	1.97
214230_at	<i>CDC42</i>	0.57	0.87	0.52	0.68
201235_s_at	<i>BTG2</i>	0.57	0.96	0.71	1.07
221766_s_at	<i>FAM46A</i>	0.57	0.87	0.68	1.06
210176_at	<i>TLR1</i>	0.56	-0.31	0.40	-0.32
204335_at	<i>CCDC94</i>	0.56	-0.17	0.29	-0.20
201502_s_at	<i>NFKBIA</i>	0.56	-0.08	0.56	-0.03
201236_s_at	<i>BTG2</i>	0.56	0.89	0.43	0.76
203045_at	<i>NINJ1</i>	0.56	1.21	0.50	1.33
205034_at	<i>CCNE2</i>	0.56	0.51	0.45	0.52
204781_s_at	<i>FAS</i>	0.56	0.92	0.59	1.05
37028_at	<i>PPP1R15A</i>	0.56	-0.10	0.59	-0.29
211456_x_at	<i>MT1P2</i>	0.55	0.93	0.15	0.23
213718_at	<i>RBM4</i>	0.55	-0.19	0.51	0.11
214696_at	<i>C17orf91</i>	0.55	0.34	0.38	0.32
202871_at	<i>TRAF4</i>	0.54	0.69	0.32	0.66
218403_at	<i>TRIAP1</i>	0.54	1.11	0.60	1.32
203752_s_at	<i>JUND</i>	0.54	0.08	0.71	0.15
204422_s_at	<i>FGF2</i>	0.54	0.73	0.50	0.60
209304_x_at	<i>GADD45B</i>	0.54	-0.13	0.37	0.03
212227_x_at	<i>EIF1</i>	0.54	0.04	0.49	0.03
209921_at	<i>SLC7A11</i>	0.54	0.20	0.27	-0.12
204912_at	<i>IL10RA</i>	0.54	0.21	0.37	0.13
204780_s_at	<i>FAS</i>	0.53	0.95	0.51	1.14
89948_at	<i>PCIF1</i>	0.53	0.05	0.41	-0.01
36711_at	<i>MAFF</i>	0.52	-0.86	0.96	-0.50
202704_at	<i>TOB1</i>	0.52	0.99	0.41	1.06
200731_s_at	<i>PTP4A1</i>	0.52	0.46	0.59	0.59
212130_x_at	<i>EIF1</i>	0.52	0.03	0.50	0.01
45633_at	<i>GIN53</i>	0.51	-0.02		
212666_at	<i>SMURF1</i>	0.51	0.05	0.70	0.14
219286_s_at	<i>RBM15</i>	0.51	-0.26		
221595_at	<i>DKFZP564O05</i>	0.51	0.29	0.39	0.11
216020_at	<i>IFIH1</i>	0.51	-0.09	0.56	-0.18
215854_at	<i>FBXO22</i>	0.50	0.50	0.39	0.39
204103_at	<i>CCL4</i>	0.50	-0.72	0.71	-0.46
218719_s_at	<i>GIN53</i>	0.50	0.00	0.24	-0.12
202021_x_at	<i>EIF1</i>	0.50	0.02	0.50	0.02
218627_at	<i>DRAM</i>	0.50	1.07	0.28	1.18

Table S1

203967_at	<i>CDC6</i>	0.50	0.13	0.43	0.05
203322_at	<i>ADNP2</i>	0.50	0.07	0.42	0.00
203394_s_at	<i>HES1</i>	0.50	0.04	0.43	-0.07
207219_at	<i>ZNF643</i>	0.50	0.02	0.35	-0.18
219208_at	<i>FBXO11</i>	0.50	-0.31	0.26	-0.37
215948_x_at	<i>ZMYM5</i>	0.49	0.07	0.30	-0.05
208804_s_at	<i>SFRS6</i>	0.49	0.09	0.41	0.02
218810_at	<i>ZC3H12A</i>	0.48	0.13	0.63	0.14
203321_s_at	<i>ADNP2</i>	0.48	0.05		
202638_s_at	<i>ICAM1</i>	0.48	0.18	0.39	0.20
210458_s_at	<i>TANK</i>	0.48	0.55	0.51	0.78
207813_s_at	<i>FDXR</i>	0.48	1.69	0.49	1.96
212978_at	<i>LRRC8B</i>	0.48	-0.24	0.50	-0.27
210346_s_at	<i>CLK4</i>	0.47	0.66	0.35	0.52
202643_s_at	<i>TNFAIP3</i>	0.47	0.37	0.43	0.34
202936_s_at	<i>SOX9</i>	0.47	0.05	0.26	0.13
212667_at	<i>SPARC</i>	0.47	0.71	0.49	0.73
201834_at	<i>PRKAB1</i>	0.46	0.99	0.41	1.16
207574_s_at	<i>GADD45B</i>	0.46	-0.21	0.48	-0.11
204182_s_at	<i>ZBTB43</i>	0.46	0.20	0.24	0.00
219565_at	<i>CYP20A1</i>	0.46	0.43	0.37	0.35
206744_s_at	<i>ZMYM5</i>	0.46	-0.06	0.29	-0.14
218562_s_at	<i>TMEM57</i>	0.46	0.82	0.16	0.77
204481_at	<i>BRPF1</i>	0.46	0.26	0.19	0.07
218642_s_at	<i>CHCHD7</i>	0.45	0.33		
203848_at	<i>AKAP8</i>	0.45	-0.05		
202637_s_at	<i>ICAM1</i>	0.45	0.18	0.51	0.37
212966_at	<i>HIC2</i>	0.45	0.08	0.40	0.10
210175_at	<i>C2orf3</i>	0.45	0.47	0.49	0.49
216614_at	<i>ITPR2</i>	0.45	0.59	0.50	0.71
201557_at	<i>VAMP2</i>	0.44	0.01	0.45	-0.09
220729_at	---	0.44	-0.10	0.32	0.05
205807_s_at	<i>TUFT1</i>	0.44	0.51	0.25	0.34
218350_s_at	<i>GMNN</i>	0.44	0.06		
219031_s_at	<i>NIP7</i>	0.44	-0.18	0.23	-0.18
205205_at	<i>RELB</i>	0.44	0.39	0.27	0.42
212202_s_at	<i>TMEM87A</i>	0.44	0.15		
203968_s_at	<i>CDC6</i>	0.44	0.12		
204326_x_at	<i>MT1X</i>	0.44	0.75		
202949_s_at	<i>FHL2</i>	0.44	1.74	0.25	1.67
201835_s_at	<i>PRKAB1</i>	0.43	0.95	0.34	1.04
219340_s_at	<i>CLN8</i>	0.43	0.55	0.51	0.30
207113_s_at	<i>TNF</i>	0.43	-0.66	0.30	-0.61
219555_s_at	<i>CENPN</i>	0.43	0.20		
209305_s_at	<i>GADD45B</i>	0.43	-0.20	0.41	-0.03
210001_s_at	<i>SOC3</i>	0.43	0.79	0.24	0.55
209383_at	<i>DDIT3</i>	0.42	0.66	0.38	0.29
221596_s_at	<i>C7orf64</i>	0.42	0.27		
202684_s_at	<i>RNMT</i>	0.42	-0.06	0.58	0.27
210232_at	<i>CDC42</i>	0.42	0.67	0.40	0.67
217523_at	<i>CD44</i>	0.42	0.23	0.37	0.27
214455_at	<i>HIST1H2BC</i>	0.42	0.45	0.26	0.05
220104_at	<i>ZC3HAV1</i>	0.42	0.48	0.37	0.29
203078_at	<i>CUL2</i>	0.42	0.10	0.30	-0.02
214751_at	<i>ZNF468</i>	0.41	0.39	0.38	0.35

Table S1

222040_at	<i>HNRNPA1</i>	0.41	0.17	0.18	-0.06
200811_at	<i>CIRBP</i>	0.41	0.42	0.36	0.37
211814_s_at	<i>CCNE2</i>	0.41	0.44	0.36	0.49
217165_x_at	<i>MT1F</i>	0.41	0.61	0.11	0.19
207829_s_at	<i>BNIP1</i>	0.41	0.13	0.30	0.13
206554_x_at	<i>SETMAR</i>	0.41	0.35		
200810_s_at	<i>CIRBP</i>	0.41	0.37		
209286_at	<i>CDC42EP3</i>	0.41	0.28		
219990_at	<i>E2F8</i>	0.41	0.13		
212440_at	<i>SNRNP27</i>	0.41	0.51	0.34	0.50
203043_at	<i>ZBED1</i>	0.41	0.75	0.01	0.55
207980_s_at	<i>CITED2</i>	0.41	0.14	0.15	0.17
213984_at	<i>PDS5A</i>	0.41	0.06		
204370_at	<i>CLP1</i>	0.41	0.68	0.39	0.71
213538_at	<i>SON</i>	0.40	-0.12	0.36	-0.18
218219_s_at	<i>LANCL2</i>	0.40	0.30		
208289_s_at	<i>EI24</i>	0.40	0.94	0.40	1.16
208581_x_at	<i>MT1X</i>	0.40	0.74		
211899_s_at	<i>TRAF4</i>	0.40	0.66	0.27	0.69
218878_s_at	<i>SIRT1</i>	0.40	-0.11		
205085_at	<i>ORC1L</i>	0.40	0.17		
202644_s_at	<i>TNFAIP3</i>	0.40	0.30	0.48	0.26
219131_at	<i>UBIAD1</i>	0.40	-0.29	0.22	-0.29
220253_s_at	<i>LRP12</i>	0.40	-0.08		
218883_s_at	<i>MLF1IP</i>	0.40	0.41		
213409_s_at	<i>RHEB</i>	0.39	0.01		
216396_s_at	<i>EI24</i>	0.39	0.95	0.34	1.06
203409_at	<i>DDB2</i>	0.39	1.39	0.29	1.54
213341_at	<i>FEM1C</i>	0.39	-0.04	0.30	0.04
204204_at	<i>SLC31A2</i>	0.39	0.42		
218399_s_at	<i>CDCA4</i>	0.39	-0.18		
218647_s_at	<i>YRDC</i>	0.39	-0.21		
212204_at	<i>TMEM87A</i>	0.39	0.10		
201146_at	<i>NFE2L2</i>	0.39	0.28		
216049_at	<i>RHOBTB3</i>	0.38	-0.16	0.41	-0.19
209716_at	<i>CSF1</i>	0.38	0.93	0.27	0.79
220297_at	<i>BTBD7</i>	0.38	-0.14	0.38	-0.14
202518_at	<i>BCL7B</i>	0.38	0.05		
204367_at	<i>SP2</i>	0.38	-0.01		
41553_at	<i>OSGIN2</i>	0.38	0.21	0.34	0.23
202859_x_at	<i>IL8</i>	0.38	-0.34	0.58	-0.09
203665_at	<i>HMOX1</i>	0.38	0.38	0.10	0.10
213899_at	<i>METAP2</i>	0.38	0.13	0.45	0.20
209451_at	<i>TANK</i>	0.38	0.45	0.32	0.48
213092_x_at	<i>DNAJC9</i>	0.38	0.28		
201969_at	<i>NASP</i>	0.38	-0.12		
205187_at	<i>SMAD5</i>	0.37	1.26	0.39	1.24
213560_at	<i>GADD45B</i>	0.37	-0.10		
212230_at	<i>PPAP2B</i>	0.37	0.24	0.40	0.47
221919_at	<i>HNRNPA1</i>	0.37	0.23	0.61	0.55
203250_at	<i>RBM16</i>	0.37	0.02		
221727_at	<i>SUB1</i>	0.37	-0.36	0.37	-0.40
208671_at	<i>SERINC1</i>	0.37	0.10		
202866_at	<i>DNAJB12</i>	0.37	0.21	0.23	0.16
219673_at	<i>MCM9</i>	0.37	0.27		

Table S1

209357_at	CITED2	0.36	0.16		
203201_at	PMM2	0.36	-0.02	0.05	-0.26
214744_s_at	RPL23	0.36	0.49	0.31	0.40
210797_s_at	OASL	0.36	-0.12	0.44	-0.17
220839_at	METTL5	0.36	0.26	0.32	0.33
205188_s_at	SMAD5	0.36	1.16	0.62	1.39
216336_x_at	MT1E	0.36	0.58	0.19	0.20
203973_s_at	CEBPD	0.36	-0.04	0.16	-0.07
204094_s_at	TSC22D2	0.36	0.06	0.29	-0.07
210405_x_at	TNFRSF10B	0.36	0.64		
201473_at	JUNB	0.36	-0.13	0.64	0.04
200920_s_at	BTG1	0.36	0.37	0.44	0.47
217028_at	CXCR4	0.36	-0.25	0.72	0.21
205449_at	SAC3D1	0.35	1.05	0.36	1.09
202558_s_at	HSPA13	0.35	0.10	0.45	0.22
203120_at	TP53BP2	0.35	-0.07		
220370_s_at	USP36	0.35	-0.05	0.25	-0.27
218501_at	ARHGEF3	0.35	0.44	0.10	0.35
220576_at	PGAP1	0.35	0.84	0.46	0.80
218496_at	RNASEH1	0.35	-0.05	0.35	-0.06
222118_at	CENPN	0.35	0.03		
214764_at	RRP15	0.35	-0.26	0.25	-0.14
219231_at	TGS1	0.35	0.56	0.20	0.43
203380_x_at	SFRS5	0.35	-0.39		
208866_at	CSNK1A1	0.35	0.23	0.17	0.12
217833_at	SYNCRIP	0.35	-0.21	0.32	-0.21
219628_at	ZMAT3	0.34	0.59	0.29	0.81
204747_at	IFIT3	0.34	0.22		
200730_s_at	PTP4A1	0.34	0.55	0.41	0.63
39248_at	AQP3	0.34	0.44	0.14	0.10
204131_s_at	FOXO3	0.34	-0.09	0.12	-0.23
222142_at	CYLD	0.34	0.24		
202843_at	DNAJB9	0.34	-0.07	0.61	-0.19
204886_at	PLK4	0.34	-0.19	0.22	-0.26
207426_s_at	TNFSF4	0.34	1.03	0.35	1.09
216550_x_at	ANKRD12	0.34	-0.21	0.21	-0.05
204872_at	TLE4	0.34	0.18		
216486_x_at	ZNF79	0.33	0.93	0.29	1.11
218769_s_at	ANKRA2	0.33	1.25	0.37	1.17
204234_s_at	ZNF195	0.33	0.64	0.14	0.55
214426_x_at	CHAF1A	0.33	0.03	0.07	-0.05
200732_s_at	PTP4A1	0.33	0.41	0.44	0.59
208051_s_at	PAIP1	0.33	-0.10		
212196_at	IL6ST	0.33	-0.04	0.42	0.08
204930_s_at	BNIP1	0.33	0.02	0.35	0.10
203367_at	DUSP14	0.33	1.02	0.25	0.83
205327_s_at	ACVR2A	0.33	0.25	0.27	0.23
220046_s_at	CCNL1	0.33	-0.12	0.42	-0.09
219258_at	TIPIN	0.33	-0.25	0.27	-0.29
217837_s_at	VPS24	0.33	0.65	0.22	0.55
203987_at	FZD6	0.32	0.61	0.23	0.57
205830_at	CLGN	0.32	1.62		
207616_s_at	TANK	0.32	0.43	0.31	0.63
203679_at	TMED1	0.32	0.12		
221986_s_at	KLHL24	0.32	0.05		

Table S1

203737_s_at	<i>PPRC1</i>	0.32	-0.41	0.13	-0.54
214169_at	<i>UNC84A</i>	0.32	0.14	0.34	0.19
213995_at	<i>ATP5S</i>	0.32	0.38		
206108_s_at	<i>SFRS6</i>	0.32	-0.07		
220018_at	<i>CBLL1</i>	0.32	0.06	0.27	-0.15
200783_s_at	<i>STMN1</i>	0.32	0.35		
221963_x_at	---	0.32	0.02		
204148_s_at	<i>POMZP3</i>	0.32	0.80		
213359_at	<i>HNRNPD</i>	0.32	0.11	0.18	0.25
213923_at	<i>RAP2B</i>	0.32	0.77	0.29	0.74
214721_x_at	<i>CDC42EP4</i>	0.32	0.76	-0.04	0.64
203248_at	<i>ZNF24</i>	0.32	-0.08		
210620_s_at	<i>GTF3C2</i>	0.32	0.11		
206588_at	<i>DAZL</i>	0.31	0.46	0.39	0.22
210633_x_at	<i>KRT10</i>	0.31	0.16		
203975_s_at	<i>CHAF1A</i>	0.31	0.03	0.05	-0.18
206632_s_at	<i>APOBEC3B</i>	0.31	0.80	0.21	0.63
220549_at	<i>RAD54B</i>	0.31	-0.35	0.55	-0.11
206508_at	<i>CD70</i>	0.31	0.69	0.30	0.93
218708_at	<i>NXT1</i>	0.31	-0.27	0.26	-0.26
219253_at	<i>TMEM185B</i>	0.31	0.30	0.21	0.33
207023_x_at	<i>KRT10</i>	0.31	0.16		
214911_s_at	<i>BRD2</i>	0.31	-0.01		
220012_at	<i>ERO1LB</i>	0.31	-0.10	0.24	-0.04
202933_s_at	<i>YES1</i>	0.31	0.17	0.53	0.25
204512_at	<i>HIVEP1</i>	0.31	0.19		
52078_at	<i>TMEM222</i>	0.31	0.21		
214157_at	<i>GNAS</i>	0.30	0.38	0.29	0.37
209062_x_at	<i>NCOA3</i>	0.30	0.22	0.07	0.32
204180_s_at	<i>ZBTB43</i>	0.30	0.16		
206036_s_at	<i>REL</i>	0.30	-0.28	0.13	-0.36
210910_s_at	<i>POMZP3</i>	0.30	0.69	0.07	0.24
218192_at	<i>IP6K2</i>	0.30	0.27	0.28	0.30
213287_s_at	<i>KRT10</i>	0.30	0.16		
213951_s_at	<i>PSMC3IP</i>	0.30	0.50		
205698_s_at	<i>MAP2K6</i>	0.30	0.51	0.07	0.36
204715_at	<i>PANX1</i>	0.30	0.16		
219094_at	<i>ARMC8</i>	0.30	-0.09	0.46	-0.20
212005_at	<i>C1orf144</i>	0.30	0.19	0.11	0.05
205660_at	<i>OASL</i>	0.30	-0.08	0.36	-0.15
203884_s_at	<i>RAB11FIP2</i>	0.29	0.08	0.36	0.11
209838_at	<i>COPS2</i>	0.29	0.05	0.40	-0.02
202348_s_at	<i>TOR1A</i>	0.29	0.55	0.18	0.47
217580_x_at	<i>ARL6IP2</i>	0.29	0.10	0.19	0.29
210873_x_at	<i>APOBEC3A</i>	0.29	0.37		
201061_s_at	<i>STOM</i>	0.29	0.53	0.29	0.63
209099_x_at	<i>JAG1</i>	0.29	0.09	0.20	-0.05
209375_at	<i>XPC</i>	0.29	1.14	0.16	1.25
213146_at	<i>KDM6B</i>	0.29	-0.36	0.31	-0.29
201170_s_at	<i>BHLHE40</i>	0.29	-0.03	0.42	0.12
203224_at	<i>RFK</i>	0.29	0.39	0.34	0.35
222032_s_at	<i>USP7</i>	0.29	-0.34		
216563_at	<i>ANKRD12</i>	0.28	-0.12		
203373_at	<i>SOCS2</i>	0.28	0.64	0.29	0.63
213216_at	<i>OTUD3</i>	0.28	0.06	-0.04	-0.05

Table S1

202932_at	YES1	0.28	0.15	0.57	0.27
209706_at	NKX3-1	0.28	0.24	0.17	0.11
212515_s_at	DDX3X	0.28	-0.21	0.17	-0.24
202865_at	DNAJB12	0.28	0.11	0.12	0.04
212361_s_at	ATP2A2	0.28	-0.01	0.02	-0.27
209993_at	ABCB1	0.28	0.06	0.17	-0.06
209201_x_at	CXCR4	0.28	-0.12		
205249_at	EGR2	0.28	-0.45	0.34	-0.30
219470_x_at	CCNJ	0.28	-0.01		
210792_x_at	SIVA1	0.28	0.36	0.09	0.24
202723_s_at	FOXO1	0.28	0.23	-0.05	-0.08
211339_s_at	ITK	0.28	-0.02	0.21	0.02
213118_at	UHRF1BP1L	0.28	0.07	0.24	0.20
218988_at	SLC35E3	0.27	0.87	0.13	1.02
216211_at	C10orf18	0.27	0.06		
203898_at	CRCP	0.27	-0.05	0.21	-0.04
219433_at	BCOR	0.27	-0.20		
222235_s_at	CSGALNACT2	0.27	-0.08	0.27	-0.04
208686_s_at	BRD2	0.27	-0.09		
215228_at	NHLH2	0.27	0.83		
201556_s_at	VAMP2	0.27	0.01		
202393_s_at	KLF10	0.27	-0.01	0.38	0.06
219798_s_at	MEPCE	0.27	-0.03		
217208_s_at	DLG1	0.27	0.10	0.23	0.11
201925_s_at	CD55	0.27	-0.69	0.29	-0.63
204618_s_at	GABPB1	0.27	-0.05		
215623_x_at	SMC4	0.27	0.17	0.39	-0.06
214722_at	NOTCH2NL	0.27	0.44	0.32	0.61
213404_s_at	RHEB	0.27	-0.07		
207624_s_at	RPGR	0.26	-0.09		
64408_s_at	CALML4	0.26	0.17	0.13	0.20
212400_at	FAM102A	0.26	0.54	0.13	0.45
212266_s_at	SFRS5	0.26	-0.40		
213983_s_at	PDS5A	0.26	0.05	0.25	0.08
200733_s_at	PTP4A1	0.26	0.41		
206829_x_at	ZNF430	0.26	0.25		
206035_at	REL	0.26	-0.23	0.18	-0.26
203846_at	TRIM32	0.26	0.64	0.18	0.63
208931_s_at	ILF3	0.26	0.18		
220953_s_at	MTMR12	0.26	-0.02	0.22	-0.02
215218_s_at	WDR62	0.26	0.09	0.17	0.01
215460_x_at	BRD1	0.26	0.22		
212373_at	FEM1B	0.26	-0.05		
203255_at	FBXO11	0.25	-0.24	0.13	-0.37
217494_s_at	PTENP1	0.25	0.20	0.28	0.27
205333_s_at	RCE1	0.25	0.12		
217403_s_at	ZNF227	0.25	0.27	0.17	0.30
219720_s_at	C14orf118	0.25	0.00	0.33	0.17
213138_at	ARID5A	0.25	-0.23	0.15	-0.16
219116_s_at	DCUN1D2	0.25	0.06	0.16	0.10
218936_s_at	CCDC59	0.25	-0.05		
213935_at	ABHD5	0.25	0.07	0.27	0.11
206025_s_at	TNFAIP6	0.25	0.17		
209711_at	SLC35D1	0.25	1.05	0.12	0.84
212016_s_at	PTBP1	0.25	0.10	0.25	0.20

Table S1

202468_s_at	CTNNAL1	0.25	0.51	0.27	0.59
216268_s_at	JAG1	0.25	0.02	0.26	-0.09
208774_at	CSNK1D	0.25	0.27		
209799_at	PRKAA1	0.25	0.16	0.32	0.26
211450_s_at	MSH6	0.24	-0.27		
221245_s_at	FZD5	0.24	0.39	0.25	0.39
218356_at	FTSJ2	0.24	0.55	0.19	0.59
204430_s_at	SLC2A5	0.24	-0.31		
222130_s_at	FTSJ2	0.24	0.55	0.21	0.77
217716_s_at	SEC61A1	0.24	0.61		
221935_s_at	C3orf64	0.24	0.19		
214876_s_at	TUBGCP5	0.24	0.06		
213805_at	ABHD5	0.24	0.22		
202173_s_at	VEZF1	0.24	0.17		
202980_s_at	SIAH1	0.24	-0.05		
218348_s_at	ZC3H7A	0.24	0.57	0.10	0.52
216147_at	40797	0.24	-0.15		
202526_at	SMAD4	0.24	-0.11	0.27	0.01
220368_s_at	SMEK1	0.24	0.50	0.23	0.52
219325_s_at	ELAC1	0.24	0.32	-0.09	0.19
212819_at	ASB1	0.24	0.26	-0.01	0.26
211919_s_at	CXCR4	0.24	-0.18	0.47	0.13
203707_at	ZNF263	0.23	-0.13		
212185_x_at	MT2A	0.23	0.38		
204132_s_at	FOXO3	0.23	0.00		
208730_x_at	RAB2A	0.23	0.12		
209652_s_at	PGF	0.23	2.46		
201202_at	PCNA	0.23	0.40	0.35	0.62
204908_s_at	BCL3	0.23	0.42	0.30	0.37
202437_s_at	CYP1B1	0.23	0.23		
206026_s_at	TNFAIP6	0.23	0.13	0.22	0.15
202600_s_at	NRIP1	0.23	-0.03	0.04	-0.29
211713_x_at	KIAA0101	0.23	0.40		
213440_at	RAB1A	0.23	0.58		
218610_s_at	CPPED1	0.23	0.18	-0.01	0.01
218362_s_at	DIS3	0.23	-0.06		
208796_s_at	CCNG1	0.23	0.62	0.26	0.66
202656_s_at	SERTAD2	0.23	0.44	0.35	0.44
219631_at	LRP12	0.23	-0.13	0.37	0.10
212629_s_at	PKN2	0.22	0.35		
220238_s_at	KLHL7	0.22	0.34	0.25	0.45
203985_at	ZNF212	0.22	0.19		
217631_at	GTPBP4	0.22	-0.17	0.18	-0.02
202436_s_at	CYP1B1	0.22	0.25		
209912_s_at	KIAA0415	0.22	0.37	-0.03	0.17
203899_s_at	CRCP	0.22	-0.04	0.12	-0.04
203758_at	CTSO	0.22	0.44		
209832_s_at	CDT1	0.22	0.11		
210258_at	RGS13	0.22	-0.22	0.43	-0.13
214678_x_at	ZFX	0.22	-0.16	0.22	-0.17
213120_at	UHRF1BP1L	0.22	-0.04	0.16	-0.06
202911_at	MSH6	0.22	-0.32	0.14	-0.32
221840_at	PTPRE	0.22	0.50	0.05	0.54
211721_s_at	ZNF551	0.22	-0.10	0.18	-0.14
214488_at	RAP2B	0.22	0.66		

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215507_x_at	RAB22A	0.22	0.11	0.12	0.12
219429_at	FA2H	0.22	0.30	-0.18	0.03
214244_s_at	ATP6V0E1	0.22	-0.01		
219198_at	GTF3C4	0.22	-0.08	0.20	0.04
212458_at	SPRED2	0.21	-0.51	0.15	-0.44
207907_at	TNFSF14	0.21	0.23	-0.13	0.25
41387_r_at	KDM6B	0.21	-0.29	0.31	-0.08
215087_at	C15orf39	0.21	-0.43	-0.01	-0.41
200788_s_at	PEA15	0.21	0.47	0.15	0.49
201300_s_at	PRNP	0.21	0.25	0.33	0.31
209574_s_at	C18orf1	0.21	0.60	0.18	0.65
221235_s_at	LOC644617	0.21	0.30		
204732_s_at	TRIM23	0.21	0.70	0.22	0.38
203304_at	BAMBI	0.21	0.20		
208890_s_at	PLXNB2	0.21	1.31	0.17	1.46
208685_x_at	BRD2	0.21	0.02		
218853_s_at	MOSPD1	0.21	0.68	0.15	0.53
219603_s_at	ZNF226	0.21	0.12	0.16	0.24
202838_at	FUCA1	0.21	0.86	0.13	0.85
201717_at	MRPL49	0.21	0.83	0.16	0.82
215464_s_at	TAX1BP3	0.21	0.95	0.29	0.88
214700_x_at	RIF1	0.21	0.10		
217692_at	MAGOH2	0.21	0.14	0.13	0.07
213360_s_at	POM121	0.21	0.42		
207993_s_at	CHP	0.20	0.28		
203868_s_at	VCAM1	0.20	0.12	0.05	-0.04
201404_x_at	PSMB2	0.20	0.16	0.07	0.16
202449_s_at	RXRA	0.20	0.65	-0.19	0.64
210528_at	MR1	0.20	0.66	0.27	0.57
222310_at	SFRS15	0.20	0.14	0.05	-0.01
214801_at	IFRG15	0.20	0.09	0.22	0.04
214943_s_at	RBM34	0.20	0.23	0.23	0.32
215919_s_at	MRPS11	0.20	0.10	0.28	0.11
222267_at	TMEM209	0.20	-0.04	0.22	0.03
209795_at	CD69	0.20	-1.07	1.06	-0.82
203372_s_at	SOCS2	0.20	0.61	0.37	0.68
217745_s_at	NAT13	0.20	0.09	0.12	0.06
207791_s_at	RAB1A	0.20	0.54	0.26	0.67
210098_s_at	NOL7	0.20	0.00		
218751_s_at	FBXW7	0.20	0.67	-0.10	0.60
202387_at	BAG1	0.20	0.36		
204731_at	TGFBR3	0.20	0.28		
212437_at	CENPB	0.20	0.03	0.10	-0.11
203653_s_at	COIL	0.20	0.07		
207535_s_at	NFKB2	0.19	0.08	0.49	0.34
201246_s_at	OTUB1	0.19	0.20	0.24	0.18
212086_x_at	LMNA	0.19	0.60		
217731_s_at	ITM2B	0.19	0.72	0.22	0.62
64488_at	IRGQ	0.19	0.53	0.16	0.52
221704_s_at	VPS37B	0.19	0.53	0.11	0.27
221765_at	UGCG	0.19	-0.20		
206020_at	SOCS6	0.19	-0.03	0.16	-0.16
219334_s_at	OBFC2A	0.19	0.63		
202431_s_at	MYC	0.19	-1.09	0.15	-1.17
213402_at	ZNF787	0.19	-0.07	-0.13	-0.41

Table S1

206085_s_at	<i>CTH</i>	0.19	0.32	0.07	-0.16
215765_at	<i>LRRC41</i>	0.19	-0.04	0.01	-0.05
212207_at	<i>MED13L</i>	0.19	0.17	0.07	0.15
217559_at	<i>RPL10L</i>	0.19	0.19	-0.04	0.10
216026_s_at	<i>POLE</i>	0.19	0.10	0.04	0.09
212497_at	<i>MAPK1IP1L</i>	0.19	-0.16		
214960_at	<i>API5</i>	0.19	0.09		
205531_s_at	<i>GLS2</i>	0.19	2.28		
212300_at	<i>TXLNA</i>	0.19	0.29		
201677_at	<i>C3orf37</i>	0.19	-0.26	0.12	-0.24
204233_s_at	<i>CHKA</i>	0.19	0.05		
202657_s_at	<i>SERTAD2</i>	0.19	0.42	0.38	0.52
202337_at	<i>PMF1</i>	0.19	0.30		
201195_s_at	<i>SLC7A5</i>	0.19	-0.08	0.04	-0.29
221594_at	<i>C7orf64</i>	0.18	0.19	0.22	0.20
218683_at	<i>PTBP2</i>	0.18	0.05		
53071_s_at	<i>C17orf101</i>	0.18	0.20		
213473_at	<i>BRAP</i>	0.18	0.29		
220721_at	<i>ZNF614</i>	0.18	-0.08	0.37	0.11
213863_s_at	<i>OAZ3</i>	0.18	0.15	0.22	0.19
204115_at	<i>GNG11</i>	0.18	0.20	0.16	0.27
205956_x_at	<i>PSMC3IP</i>	0.18	0.33		
204527_at	<i>MYO5A</i>	0.18	0.37		
220550_at	<i>FBXO4</i>	0.18	-0.19		
209712_at	<i>SLC35D1</i>	0.18	0.86	0.06	0.73
52741_at	<i>TRMT61A</i>	0.18	-0.05		
205042_at	<i>GNE</i>	0.18	0.44	0.26	0.53
218007_s_at	<i>RPS27L</i>	0.18	0.50	0.24	0.64
214313_s_at	<i>EIF5B</i>	0.18	-0.01		
218335_x_at	<i>TNIP2</i>	0.18	0.15		
214638_s_at	<i>CCNT2</i>	0.18	0.12		
217127_at	<i>CTH</i>	0.18	0.31	0.08	-0.16
202726_at	<i>LIG1</i>	0.18	0.60	-0.02	0.42
214056_at	<i>MCL1</i>	0.18	0.00		
204805_s_at	<i>H1FX</i>	0.18	-0.96		
203364_s_at	<i>KIAA0652</i>	0.18	0.05		
212438_at	<i>SNRNP27</i>	0.18	0.41	0.20	0.48
212069_s_at	<i>BAT2L</i>	0.18	0.15	0.01	-0.02
209797_at	<i>CNPY2</i>	0.18	0.07		
202823_at	<i>TCEB1</i>	0.18	0.13		
214102_at	<i>ARAP2</i>	0.18	-0.27	0.18	-0.27
218161_s_at	<i>CLN6</i>	0.18	0.13	-0.05	-0.22
203489_at	<i>SIVA1</i>	0.18	0.24		
202193_at	<i>LIMK2</i>	0.18	0.41	0.01	0.38
215285_s_at	<i>PHTF1</i>	0.18	0.46		
213579_s_at	<i>EP300</i>	0.18	0.13	0.17	0.15
213826_s_at	<i>LOC10013310</i>	0.18	0.01		
209394_at	<i>ASMTL</i>	0.18	0.30	0.09	0.30
214918_at	<i>HNRNPM</i>	0.17	-0.05		
202349_at	<i>TOR1A</i>	0.17	0.52		
204999_s_at	<i>ATF5</i>	0.17	0.08	-0.06	-0.17
206675_s_at	<i>SKIL</i>	0.17	0.12	-0.05	-0.02
202702_at	<i>TRIM26</i>	0.17	0.37		
208903_at	<i>RPS28</i>	0.17	-0.08	0.10	-0.17
202146_at	<i>IFRD1</i>	0.17	0.23		

Table S1

217547_x_at	ZNF675	0.17	0.17	0.15	0.15
210662_at	KYNU	0.17	-0.08	0.44	0.19
201101_s_at	BCLAF1	0.17	0.01		
203225_s_at	RFK	0.17	0.39	0.13	0.34
201534_s_at	UBL3	0.17	-0.21	0.24	0.01
204605_at	CGRRF1	0.17	0.59	0.21	0.54
218733_at	MSL2	0.17	0.27		
213954_at	FAM169A	0.17	1.15	0.22	1.20
215204_at	SENP6	0.17	0.10	0.07	-0.16
204190_at	USPL1	0.17	0.29	-0.02	0.17
201169_s_at	BHLHE40	0.17	-0.04		
214583_at	RSC1A1	0.17	-0.04		
217383_at	PGK1	0.17	-0.05		
203579_s_at	SLC7A6	0.17	0.76	0.09	0.76
60084_at	CYLD	0.17	0.09		
204194_at	BACH1	0.17	-0.30	0.56	0.05
203976_s_at	CHAF1A	0.17	0.04	-0.05	0.03
214123_s_at	C4orf10	0.17	0.42		
219638_at	FBXO22	0.17	0.56	0.24	0.67
204429_s_at	SLC2A5	0.16	-0.18		
219676_at	ZSCAN16	0.16	0.50	-0.05	0.37
216962_at	RPAIN	0.16	0.04		
203124_s_at	SLC11A2	0.16	-0.29	0.30	-0.35
204489_s_at	CD44	0.16	0.29	0.20	0.33
205120_s_at	SGCB	0.16	0.55	0.14	0.40
220458_at	FLJ10246	0.16	0.12		
222158_s_at	PPPDE1	0.16	0.51	0.04	0.42
217602_at	PPIA	0.16	-0.29	0.36	0.01
202165_at	PPP1R2	0.16	-0.27		
203603_s_at	ZEB2	0.16	-0.12	0.25	0.13
210078_s_at	KCNAB1	0.16	0.08		
215450_at	SNRPE	0.16	0.09		
209378_s_at	KIAA1128	0.16	0.56	0.12	0.41
208099_x_at	TTL5	0.16	0.16		
55081_at	MICALL1	0.16	0.75	-0.06	0.48
208916_at	SLC1A5	0.16	-0.04	0.07	-0.17
202781_s_at	INPP5K	0.16	0.17	0.05	0.25
219530_at	PALB2	0.16	0.35		
202634_at	POLR2K	0.16	0.18		
214163_at	HSPB11	0.16	0.32		
222031_at	LOC286434	0.16	0.32	0.38	0.50
219294_at	CENPQ	0.16	0.08	0.35	0.06
207826_s_at	ID3	0.16	0.66	0.04	0.76
206683_at	ZNF165	0.16	0.16	-0.04	0.13
209498_at	CEACAM1	0.16	1.83		
214462_at	SOCS6	0.16	-0.01	0.12	0.08
209713_s_at	SLC35D1	0.16	0.72		
202435_s_at	CYP1B1	0.16	0.22	-0.21	-0.14
204291_at	ZNF518A	0.16	0.21		
212178_s_at	POM121	0.16	0.43	-0.05	0.21
204032_at	BCAR3	0.16	-0.46	-0.16	-0.55
201140_s_at	RAB5C	0.16	0.14	0.13	0.11
218579_s_at	DHX35	0.15	0.03		
204745_x_at	MT1G	0.15	0.41		
204887_s_at	PLK4	0.15	-0.22		

Table S1

201599_at	OAT	0.15	0.24		
219582_at	OGFRL1	0.15	0.15		
219412_at	RAB38	0.15	0.56		
219019_at	LRDD	0.15	1.08	0.24	1.20
211600_at	PTPRO	0.15	0.02		
215114_at	SENP3	0.15	-0.08	0.09	-0.13
202474_s_at	HCFC1	0.15	-0.09	-0.02	-0.27
202191_s_at	GAS7	0.15	0.04		
65718_at	GPR124	0.15	0.17	-0.07	0.01
219765_at	ZNF329	0.15	0.31		
217743_s_at	TMEM30A	0.15	0.52	0.17	0.63
218770_s_at	TMEM39B	0.15	0.04	-0.01	-0.09
213002_at	MARCKS	0.15	-0.04		
206536_s_at	XIAP	0.15	0.09	0.19	0.11
216933_x_at	APC	0.15	0.28	0.14	0.19
35626_at	SGSH	0.15	-0.07	0.11	0.08
218732_at	PTRH2	0.15	-0.39		
214487_s_at	RAP2A	0.15	0.40	0.29	0.51
203927_at	NFKBIE	0.15	0.12		
218311_at	MAP4K3	0.15	0.05	0.30	0.20
221960_s_at	RAB2A	0.15	-0.14		
221640_s_at	LRDD	0.14	1.26		
201551_s_at	LAMP1	0.14	0.25	0.22	0.47
214741_at	ZNF131	0.14	0.33		
219938_s_at	PSTPIP2	0.14	1.37	-0.03	1.19
221255_s_at	TMEM93	0.14	0.15		
216226_at	TAF4B	0.14	-0.28	0.10	-0.24
205383_s_at	ZBTB20	0.14	0.40	0.01	0.37
210417_s_at	PI4KB	0.14	0.25		
212094_at	PEG10	0.14	-0.04	0.07	-0.20
221824_s_at	40610	0.14	0.37	-0.04	0.17
221860_at	HNRNPL	0.14	-0.26	0.19	-0.06
216609_at	TXN	0.14	0.04		
206875_s_at	SLK	0.14	0.09		
213822_s_at	UBE3B	0.14	0.18	0.19	0.18
211406_at	IER3IP1	0.14	0.08		
214083_at	LOC10013253	0.14	0.02		
206848_at	FAM36A	0.14	-0.06	0.22	0.05
203646_at	FDX1	0.14	0.19	0.21	0.30
211658_at	PRDX2	0.14	0.12	-0.01	0.20
212847_at	FUBP1	0.14	-0.22	0.23	-0.20
206649_s_at	TFE3	0.14	0.24		
209703_x_at	METTL7A	0.14	0.63	-0.05	0.29
216203_at	SPTLC2	0.14	0.08		
221976_s_at	HDGFRP3	0.14	0.19	0.03	0.09
221992_at	PDXDC2	0.14	0.02		
208869_s_at	GABARAPL1	0.14	0.10	0.08	0.00
209536_s_at	EHD4	0.14	-0.38		
210524_x_at	MT1F	0.14	0.36	0.12	0.05
213879_at	SUMO2	0.14	0.06		
201736_s_at	40608	0.14	0.20		
204474_at	ZNF142	0.14	-0.12		
213999_at	YIPF4	0.14	0.07		
212002_at	C1orf144	0.14	0.06	0.09	0.09
218524_at	E4F1	0.14	0.17		

Table S1

214688_at	<i>TLE4</i>	0.14	0.01	0.15	0.06
221657_s_at	<i>ASB6</i>	0.14	0.16		
215190_at	<i>EIF3M</i>	0.14	-0.18	0.15	-0.30
204935_at	<i>PTPN2</i>	0.14	-0.03	0.19	-0.20
210946_at	<i>PPAP2A</i>	0.14	0.27	0.09	0.25
208190_s_at	<i>LSR</i>	0.13	-0.02	0.14	-0.05
212044_s_at	<i>RPL27A</i>	0.13	0.03		
201026_at	<i>EIF5B</i>	0.13	-0.02	0.04	-0.25
219805_at	<i>CXorf56</i>	0.13	0.21		
202263_at	<i>CYB5R1</i>	0.13	0.41	0.05	0.34
212947_at	<i>SLC9A8</i>	0.13	0.03		
209154_at	<i>TAX1BP3</i>	0.13	0.78	0.04	0.62
221768_at	<i>SFPQ</i>	0.13	-0.19	0.10	-0.15
219506_at	<i>C1orf54</i>	0.13	-0.03		
209556_at	<i>NCDN</i>	0.13	0.01	0.05	-0.03
205027_s_at	<i>MAP3K8</i>	0.13	-0.03		
213907_at	<i>EEF1E1</i>	0.13	-0.07		
209067_s_at	<i>HNRPDL</i>	0.13	-0.37	0.12	-0.32
206587_at	<i>CCT6B</i>	0.13	0.37		
202028_s_at	<i>RPL38</i>	0.13	0.06		
217632_at	<i>GNL3L</i>	0.13	0.14		
209457_at	<i>DUSP5</i>	0.13	-0.54	0.46	-0.16
218206_x_at	<i>SCAND1</i>	0.13	0.10		
201060_x_at	<i>STOM</i>	0.13	0.42	0.18	0.45
203742_s_at	<i>TDG</i>	0.13	-0.04	0.13	-0.03
213550_s_at	<i>TMCO6</i>	0.13	0.09		
215070_x_at	<i>RABGAP1</i>	0.13	0.22		
214041_x_at	<i>RPL37A</i>	0.13	-0.06		
219543_at	<i>PBLD</i>	0.13	0.69	0.15	0.36
215739_s_at	<i>TUBGCP3</i>	0.13	0.00	-0.05	0.03
203573_s_at	<i>RABGGTA</i>	0.13	0.61	0.04	0.48
219593_at	<i>SLC15A3</i>	0.13	0.21	0.06	0.12
204224_s_at	<i>GCH1</i>	0.13	0.86	0.15	0.90
209398_at	<i>HIST1H1C</i>	0.13	0.12		
202924_s_at	<i>PLAGL2</i>	0.13	0.15	-0.08	-0.11
202226_s_at	<i>CRK</i>	0.13	0.17		
213191_at	<i>TICAM1</i>	0.13	0.00	0.06	-0.28
207939_x_at	<i>RNPS1</i>	0.13	-0.07	-0.02	-0.16
203123_s_at	<i>SLC11A2</i>	0.13	-0.20	0.17	-0.20
207746_at	<i>POLQ</i>	0.13	-0.08		
216450_x_at	<i>HSP90B1</i>	0.13	-0.02		
220590_at	<i>ITFG2</i>	0.13	0.06	-0.15	-0.05
217996_at	<i>PHLDA1</i>	0.13	-0.26	0.24	-0.03
222311_s_at	<i>SFRS15</i>	0.13	0.11	-0.04	-0.06
211596_s_at	<i>LRIG1</i>	0.13	-0.28	0.15	-0.01
213406_at	<i>WSB1</i>	0.12	-0.09	-0.09	0.05
212371_at	<i>PPPDE1</i>	0.12	0.46		
37079_at	<i>YDD19</i>	0.12	-0.01	0.19	0.24
204813_at	<i>MAPK10</i>	0.12	0.08	0.03	-0.02
210733_at	<i>TRAM1</i>	0.12	-0.07	0.20	0.01
215082_at	<i>ELOVL5</i>	0.12	-0.04		
203692_s_at	<i>E2F3</i>	0.12	0.08	-0.04	0.04
213350_at	<i>RPS11</i>	0.12	0.01	0.04	0.04
202335_s_at	<i>UBE2B</i>	0.12	0.13	0.23	0.15
203023_at	<i>NOP16</i>	0.12	-0.36	0.09	-0.34

Table S1

211767_at	<i>GIN54</i>	0.12	0.53	-0.06	0.29
217099_s_at	<i>GEMIN4</i>	0.12	-0.33	0.00	-0.38
213734_at	<i>WSB2</i>	0.12	-0.04		
208849_at	<i>EEF1A1</i>	0.12	0.15		
202224_at	<i>CRK</i>	0.12	0.16		
220241_at	<i>TMCO3</i>	0.12	-0.02	0.01	0.07
214792_x_at	<i>VAMP2</i>	0.12	0.03		
220237_at	<i>ATG3</i>	0.12	0.13	0.35	0.23
219741_x_at	<i>ZNF552</i>	0.12	0.22		
204267_x_at	<i>PKMYT1</i>	0.12	0.28		
204264_at	<i>CPT2</i>	0.12	0.38		
201171_at	<i>ATP6V0E1</i>	0.12	-0.03		
213198_at	<i>ACVR1B</i>	0.12	-0.15	0.11	-0.01
218168_s_at	<i>CABC1</i>	0.12	0.82	0.06	0.69
221014_s_at	<i>RAB33B</i>	0.12	0.49	0.16	0.44
204559_s_at	<i>LSM7</i>	0.12	0.22		
202241_at	<i>TRIB1</i>	0.12	-0.68	0.50	-0.32
214446_at	<i>ELL2</i>	0.12	0.41	0.08	0.50
205361_s_at	<i>PFDN4</i>	0.12	0.14		
221905_at	<i>CYLD</i>	0.12	0.20	0.13	0.20
211501_s_at	<i>EIF3B</i>	0.12	0.02		
209584_x_at	<i>APOBEC3C</i>	0.12	0.79	0.11	0.74
206066_s_at	<i>RAD51C</i>	0.12	0.50	0.26	0.72
204766_s_at	<i>NUDT1</i>	0.12	0.47	0.01	0.22
214814_at	<i>YTHDC1</i>	0.12	0.07	0.39	0.31
218590_at	<i>C10orf2</i>	0.12	-0.28	-0.02	-0.31
213454_at	<i>APITD1</i>	0.12	0.29		
202254_at	<i>SIPA1L1</i>	0.12	-0.29	-0.14	-0.37
212743_at	<i>RCHY1</i>	0.12	0.07	0.22	0.08
202001_s_at	<i>NDUFA6</i>	0.12	0.19		
216961_s_at	<i>RPAIN</i>	0.12	0.02		
210582_s_at	<i>LIMK2</i>	0.11	0.40		
215182_x_at	---	0.11	0.04		
210625_s_at	<i>AKAP1</i>	0.11	-0.25	-0.09	-0.25
202056_at	<i>KPNA1</i>	0.11	0.32	-0.07	0.20
221796_at	<i>NTRK2</i>	0.11	-0.17		
202131_s_at	<i>RIOK3</i>	0.11	0.13	0.10	0.24
207519_at	<i>SLC6A4</i>	0.11	0.42		
219472_at	<i>CENPO</i>	0.11	0.06	-0.06	0.12
214001_x_at	<i>RPS10</i>	0.11	-0.05		
219177_at	<i>BXDC2</i>	0.11	-0.32	0.12	-0.30
215223_s_at	<i>SOD2</i>	0.11	0.13		
215128_at	---	0.11	0.60	0.08	0.48
213497_at	<i>ABTB2</i>	0.11	0.25		
214290_s_at	<i>HIST2H2AA3</i>	0.11	0.13		
215307_at	<i>ZNF529</i>	0.11	-0.06	0.24	0.13
218902_at	<i>NOTCH1</i>	0.11	0.75	-0.11	0.64
217508_s_at	<i>C18orf25</i>	0.11	0.42	0.16	0.23
212047_s_at	<i>RNF167</i>	0.11	-0.01	0.00	0.08
216263_s_at	<i>NGDN</i>	0.11	0.03	-0.01	0.00
217997_at	<i>PHLDA1</i>	0.11	-0.19	0.33	0.03
206337_at	<i>CCR7</i>	0.11	0.33	0.10	0.50
213629_x_at	<i>MT1F</i>	0.11	0.31	-0.11	0.02
219690_at	<i>TMEM149</i>	0.11	0.10	0.04	0.04
202368_s_at	<i>TRAM2</i>	0.11	0.47	-0.07	0.25

Table S1

204271_s_at	EDNRB	0.11	-0.08	0.02	-0.15
203832_at	SNRPF	0.11	0.07		
217649_at	ZFAND5	0.11	-0.17		
207597_at	ADAM18	0.11	0.10		
204681_s_at	RAPGEF5	0.11	-0.20	0.30	-0.08
220682_s_at	KLHL5	0.11	0.08	0.16	0.11
218384_at	CARHSP1	0.11	-0.13		
221943_x_at	RPL38	0.11	0.03		
218895_at	GPATCH3	0.11	-0.01	0.08	-0.05
213156_at	---	0.11	0.61	0.13	0.74
210092_at	MAGOH	0.11	0.13		
214149_s_at	ATP6V0E1	0.11	-0.04		
215530_at	FANCA	0.11	0.11		
217824_at	UBE2J1	0.11	-0.40	0.10	-0.48
211277_x_at	APP	0.11	0.17	0.14	0.18
200632_s_at	NDRG1	0.11	-0.17		
205521_at	EXOG	0.11	0.26		
219092_s_at	IPPK	0.11	0.11	-0.04	0.12
213087_s_at	EEF1D	0.11	0.18		
202648_at	RPS19	0.11	0.02		
210115_at	RPL39L	0.11	0.14	0.09	0.13
216548_x_at	HMGB3L1	0.11	0.33		
212285_s_at	AGRN	0.10	0.40	0.06	0.49
211379_x_at	B3GALNT1	0.10	-0.05	0.06	-0.31
203274_at	F8A1	0.10	0.40		
219567_s_at	DEM1	0.10	0.28		
221549_at	GRWD1	0.10	-0.28	0.00	-0.36
201751_at	JOSD1	0.10	0.10		
212395_s_at	KIAA0090	0.10	0.07	0.11	0.13
203880_at	COX17	0.10	0.06		
200852_x_at	GNB2	0.10	0.59	0.00	0.45
202323_s_at	ACBD3	0.10	0.35		
35820_at	GM2A	0.10	0.48	0.09	0.56
218124_at	RETSAT	0.10	1.02	0.10	1.09
202129_s_at	RIOK3	0.10	0.21	0.20	0.34
221706_s_at	USE1	0.10	0.21		
209075_s_at	ISCU	0.10	0.47	0.11	0.47
209511_at	POLR2F	0.10	0.00		
217419_x_at	AGRN	0.10	0.23	0.06	0.22
219437_s_at	ANKRD11	0.10	-0.12	0.00	-0.22
212141_at	MCM4	0.10	-0.17		
203602_s_at	ZBTB17	0.10	0.08		
210479_s_at	RORA	0.10	-0.08	0.07	-0.06
209379_s_at	KIAA1128	0.10	0.58	-0.06	0.57
221614_s_at	RPH3AL	0.10	0.13		
212799_at	STX6	0.10	0.61	0.15	0.70
208733_at	RAB2A	0.10	-0.24	0.21	-0.19
214060_at	SSBP1	0.10	-0.24	0.24	-0.24
213813_x_at	FTLL1	0.10	-0.02		
215629_s_at	DLEU2	0.10	-0.19	0.10	-0.42
215170_s_at	CEP152	0.10	0.24	0.07	0.25
202225_at	CRK	0.10	0.13		
201646_at	SCARB2	0.10	0.05	0.06	0.02
206515_at	CYP4F3	0.10	1.43	0.02	1.24
213638_at	PHACTR1	0.10	-0.30		

Table S1

201119_s_at	COX8A	0.10	0.21		
211730_s_at	POLR2L	0.10	0.23		
218090_s_at	BRWD2	0.10	0.15		
203562_at	FEZ1	0.10	0.91	-0.03	0.74
218482_at	ENY2	0.10	0.22		
217347_at	RPL35	0.10	0.09	0.08	0.13
205483_s_at	ISG15	0.10	-0.12		
214729_at	TWISTNB	0.10	-0.10	0.17	0.00
218280_x_at	HIST2H2AA3	0.10	0.13		
219996_at	ASB7	0.10	0.14	0.17	0.13
219588_s_at	NCAPG2	0.10	0.13		
217732_s_at	ITM2B	0.10	0.50	0.10	0.39
210540_s_at	B4GALT4	0.10	0.07	0.17	0.14
220242_x_at	ZNF701	0.10	-0.11		
214429_at	MTMR6	0.10	0.12	0.17	0.14
217166_at	---	0.10	0.09		
212983_at	HRAS	0.10	0.72	0.07	0.66
210093_s_at	MAGOH	0.10	0.10		
201926_s_at	CD55	0.10	-0.38	0.15	-0.33
209016_s_at	KRT7	0.09	0.15	0.18	0.17
206474_at	PCTK2	0.09	-0.04	0.10	-0.01
201211_s_at	DDX3X	0.09	-0.17	0.04	0.05
201476_s_at	RRM1	0.09	0.34	0.11	0.36
200766_at	CTSD	0.09	0.15		
204010_s_at	KRAS	0.09	0.02	0.01	0.20
218378_s_at	PRKRIP1	0.09	0.29	0.05	0.24
212514_x_at	DDX3X	0.09	-0.21		
216504_s_at	SLC39A8	0.09	-0.23		
220158_at	LGALS14	0.09	-0.05		
91617_at	DGCR8	0.09	0.00		
213008_at	FANCI	0.09	0.26		
213606_s_at	ARHGDI1	0.09	-0.15	-0.04	-0.20
213902_at	ASAH1	0.09	-0.07		
212064_x_at	MAZ	0.09	-0.04		
206966_s_at	KLF12	0.09	0.01	-0.08	-0.07
202545_at	PRKCD	0.09	0.08		
203141_s_at	AP3B1	0.09	0.00	0.04	0.07
218637_at	IMPACT	0.09	-0.02	0.02	-0.25
212073_at	CSNK2A1	0.09	-0.07		
215708_s_at	PRIM2	0.09	0.19	0.13	0.30
217856_at	RBM8A	0.09	-0.02		
45714_at	HCFC1R1	0.09	0.07		
214205_x_at	GLRX3	0.09	0.13		
212649_at	DHX29	0.09	0.10		
210200_at	WWP2	0.09	0.09	0.12	0.11
212576_at	MGRN1	0.09	0.24		
219138_at	RPL14	0.09	0.06		
205134_s_at	NUFIP1	0.09	-0.20	0.08	-0.23
215694_at	SPATA5L1	0.09	-0.22		
214000_s_at	RGS10	0.09	0.05		
213010_at	PRKCDBP	0.09	0.12		
214011_s_at	NOP16	0.09	-0.27	0.12	-0.34
200707_at	PRKCSH	0.09	0.00		
213072_at	CYHR1	0.09	0.26		
213742_at	SFRS11	0.09	0.19	0.08	0.02

Table S1

207283_at	RPL23AP32	0.09	0.04		
203236_s_at	LGALS9	0.09	0.40	0.05	0.26
212312_at	BCL2L1	0.09	0.43	0.00	0.40
207688_s_at	INHBC	0.09	-0.04		
207431_s_at	DEGS1	0.09	-0.48	0.06	-0.43
201204_s_at	RRBP1	0.09	-0.25	-0.07	-0.30
209675_s_at	HNRNPUL1	0.09	0.04	0.01	-0.11
216041_x_at	GRN	0.09	0.52	0.04	0.47
202298_at	NDUFA1	0.09	0.16		
209507_at	RPA3	0.09	0.28		
205010_at	GNL3L	0.09	0.09	-0.03	-0.15
211284_s_at	GRN	0.09	0.52	-0.01	0.44
211200_s_at	EFCAB2	0.09	0.15	0.23	0.25
212427_at	KIAA0368	0.09	-0.16	0.02	-0.06
202464_s_at	PFKFB3	0.09	-0.49		
209178_at	DHX38	0.09	0.08		
207565_s_at	MR1	0.08	0.58	0.10	0.51
213158_at	---	0.08	0.59	0.11	0.64
204120_s_at	ADK	0.08	-0.01		
208154_at	LOC51336	0.08	0.00	-0.32	-0.29
202426_s_at	RXRA	0.08	0.18		
205934_at	PLCL1	0.08	-0.02		
203650_at	PROCR	0.08	1.02		
221253_s_at	TXNDC5	0.08	-0.31	0.02	-0.39
203945_at	ARG2	0.08	0.07		
212342_at	YIPF6	0.08	0.15	0.06	0.02
215215_s_at	LOC81691	0.08	0.42	0.10	0.39
207900_at	CCL17	0.08	0.09		
217249_x_at	COX7A2	0.08	0.11		
211698_at	EID1	0.08	0.05		
213750_at	RSL1D1	0.08	0.31	0.01	0.40
212099_at	RHOB	0.08	-0.19	0.03	-0.27
222200_s_at	BSDC1	0.08	0.41	-0.02	0.28
213757_at	EIF5A	0.08	-0.02		
207135_at	HTR2A	0.08	0.08	-0.18	-0.13
217416_x_at	ABHD2	0.08	-0.03		
203153_at	IFIT1	0.08	-0.55	0.18	-0.43
202908_at	WFS1	0.08	0.49		
216246_at	RPS20	0.08	0.00		
213459_at	RPL37A	0.08	-0.18		
207160_at	IL12A	0.08	-0.38	0.12	-0.22
213875_x_at	C6orf62	0.08	0.24	0.20	0.37
203330_s_at	STX5	0.08	0.25		
214012_at	ERAP1	0.08	0.21		
219165_at	PDLIM2	0.08	-0.15		
215241_at	ANO3	0.08	1.10		
222316_at	USO1	0.08	0.07	-0.10	-0.13
209191_at	TUBB6	0.08	0.57	0.09	0.68
203781_at	MRPL33	0.08	0.07		
205434_s_at	AAK1	0.08	0.78	0.05	0.47
214052_x_at	BAT2D1	0.08	0.00	-0.01	-0.15
209569_x_at	D4S234E	0.08	0.37	0.15	0.17
216650_at	LOC283412	0.08	0.02		
203470_s_at	PLEK	0.08	0.31	0.24	0.57
213297_at	RMND5B	0.08	0.03		

Table S1

217027_x_at	KPNB1	0.08	-0.02		
206308_at	TRDMT1	0.08	0.06	0.07	0.07
204698_at	ISG20	0.08	-0.20		
205527_s_at	GEMIN4	0.08	-0.58	-0.11	-0.68
221917_s_at	GRSF1	0.08	-0.04		
213605_s_at	LOC10013440	0.08	-0.01	-0.09	-0.13
206257_at	CCDC9	0.08	0.08		
200908_s_at	RPLP2	0.08	-0.06	0.03	-0.01
213642_at	RPL27	0.08	-0.08		
209900_s_at	SLC16A1	0.08	-0.41	0.10	-0.37
215775_at	THBS1	0.08	0.13	0.03	0.04
201212_at	LGMN	0.08	-0.23		
218260_at	DDA1	0.08	0.02		
218033_s_at	SNN	0.08	-0.13	0.36	0.04
218297_at	C10orf97	0.08	0.26	0.07	0.25
205569_at	LAMP3	0.08	0.67	0.03	0.70
219557_s_at	NRIP3	0.08	0.09	0.14	-0.04
219061_s_at	LAGE3	0.08	0.22		
216315_x_at	LOC10013355	0.08	0.00		
216859_x_at	---	0.08	0.16	-0.06	0.07
200678_x_at	GRN	0.07	0.50	-0.03	0.38
217336_at	RPS10	0.07	0.04	0.19	0.12
201012_at	ANXA1	0.07	-0.15	0.10	-0.09
219489_s_at	NXN	0.07	0.02	0.07	0.02
202091_at	ARL2BP	0.07	0.17	-0.14	0.25
33323_r_at	SFN	0.07	0.23		
205005_s_at	NMT2	0.07	0.21	0.08	0.41
208107_s_at	LOC81691	0.07	0.49	0.02	0.24
219901_at	FGD6	0.07	0.03		
211949_s_at	NOLC1	0.07	-0.08	0.09	0.04
209328_x_at	HIGD2A	0.07	0.14	0.11	0.15
205809_s_at	WASL	0.07	-0.03	-0.05	-0.24
216554_s_at	ENO3	0.07	-0.08		
207780_at	CYLC2	0.07	0.04		
205355_at	ACADSB	0.07	0.07	0.20	0.13
221997_s_at	MRPL52	0.07	0.10	0.02	-0.07
215946_x_at	IGLL3	0.07	0.10		
208844_at	VDAC3	0.07	0.04		
216267_s_at	TMEM115	0.07	0.25	0.04	0.03
209722_s_at	SERPINB9	0.07	-0.15	0.11	0.18
202901_x_at	CTSS	0.07	-0.15		
219496_at	ANKRD57	0.07	0.00	-0.12	-0.09
201041_s_at	DUSP1	0.07	-0.36	0.33	-0.12
213114_at	RER1	0.07	0.14		
208499_s_at	DNAJC3	0.07	0.03	-0.05	-0.08
211833_s_at	BAX	0.07	0.55	-0.04	0.68
202234_s_at	SLC16A1	0.07	-0.35	0.11	-0.34
219077_s_at	WWOX	0.07	0.06	-0.02	0.09
49679_s_at	EDEM2	0.07	0.13		
218190_s_at	UCRC	0.07	0.18		
214435_x_at	RALA	0.07	0.40		
212955_s_at	POLR2I	0.07	0.02		
208436_s_at	IRF7	0.07	-0.24		
202839_s_at	NDUFB7	0.07	0.12		
211819_s_at	SORBS1	0.07	0.08		

Table S1

203729_at	EMP3	0.07	-0.14		
221718_s_at	AKAP13	0.07	-0.24	0.05	-0.16
219186_at	ZBTB7A	0.07	0.09	-0.06	0.09
204833_at	ATG12	0.07	0.07	0.08	0.24
217966_s_at	FAM129A	0.07	0.48		
218680_x_at	HYPK	0.07	0.08		
218288_s_at	CCDC90B	0.07	1.03	0.14	1.06
214395_x_at	EEF1D	0.07	0.08		
200695_at	PPP2R1A	0.07	-0.02	-0.01	-0.05
218586_at	C20orf20	0.07	-0.33	0.01	-0.29
1405_i_at	CCL5	0.07	-0.03	0.03	-0.12
209050_s_at	RALGDS	0.07	0.75	0.04	0.81
203990_s_at	KDM6A	0.07	0.21	0.12	0.28
217353_at	HNRNPA1	0.07	0.05	0.32	0.23
212813_at	JAM3	0.07	-0.05	-0.13	-0.37
218836_at	RPP21	0.07	0.04		
210241_s_at	TP53TG1	0.07	0.75	0.09	0.71
217340_at	RPL21P68	0.07	0.12	0.16	-0.13
213839_at	CLMN	0.07	-0.08		
213810_s_at	AKIRIN2	0.07	0.21		
218813_s_at	SH3GLB2	0.07	-0.17		
209492_x_at	ATP5I	0.07	0.10		
202750_s_at	TFIP11	0.07	0.13		
221617_at	TAF9B	0.07	0.16		
211945_s_at	ITGB1	0.07	0.49	0.11	0.48
200602_at	APP	0.07	-0.03	-0.17	-0.19
201253_s_at	CDIPT	0.07	0.11		
215995_x_at	---	0.07	0.02	-0.03	-0.21
218981_at	ACN9	0.07	0.05		
211089_s_at	NEK3	0.07	-0.13	0.17	0.08
201597_at	COX7A2	0.07	0.11		
213057_at	ATPAF2	0.07	0.23		
210317_s_at	YWHAE	0.07	-0.10	0.09	0.09
210532_s_at	C14orf2	0.07	0.15		
212737_at	GM2A	0.07	0.52	0.07	0.61
203411_s_at	LMNA	0.07	0.39		
218671_s_at	ATPIF1	0.07	0.15		
202747_s_at	ITM2A	0.07	0.65	0.09	0.52
218747_s_at	TAPBPL	0.07	0.35		
208610_s_at	SRRM2	0.07	-0.03	0.07	-0.25
209972_s_at	JTV1	0.07	-0.03		
207157_s_at	GNG5	0.07	0.05		
218424_s_at	STEAP3	0.06	0.18	-0.02	0.15
221434_s_at	C14orf156	0.06	0.01		
216422_at	PA2G4	0.06	0.02		
200085_s_at	TCEB2	0.06	0.16		
214201_x_at	BAT2	0.06	-0.22		
211696_x_at	HBB	0.06	0.07	0.11	-0.06
204458_at	PLA2G15	0.06	0.42	0.09	0.42
202746_at	ITM2A	0.06	0.60	0.09	0.57
202235_at	SLC16A1	0.06	-0.45	0.10	-0.31
212280_x_at	ATG4B	0.06	0.14	-0.01	0.00
209806_at	HIST1H2BK	0.06	0.11		
204652_s_at	NRF1	0.06	0.01	-0.17	-0.11
220235_s_at	C1orf103	0.06	0.36		

Table S1

218010_x_at	<i>C20orf149</i>	0.06	0.10		
215731_s_at	<i>MPHOSPH9</i>	0.06	-0.05		
219863_at	<i>HERC5</i>	0.06	0.24		
217329_x_at	<i>COX7BP1</i>	0.06	0.10		
209531_at	<i>GSTZ1</i>	0.06	0.31		
216556_x_at	<i>SUMO1P2</i>	0.06	0.03	0.12	-0.07
200825_s_at	<i>HYOU1</i>	0.06	0.32		
215734_at	<i>C19orf36</i>	0.06	0.16		
217903_at	<i>STRN4</i>	0.06	-0.04	-0.04	-0.13
202086_at	<i>MX1</i>	0.06	-0.16	-0.02	-0.31
211168_s_at	<i>UPF1</i>	0.06	0.13		
202276_at	<i>SHFM1</i>	0.06	0.19		
201461_s_at	<i>MAPKAPK2</i>	0.06	-0.24		
212608_s_at	<i>NUDT3</i>	0.06	-0.01		
202929_s_at	<i>DDT</i>	0.06	0.15		
208944_at	<i>TGFBR2</i>	0.06	-0.13	0.06	-0.15
211502_s_at	<i>PFTK1</i>	0.06	-0.02	-0.03	-0.14
213846_at	<i>COX7C</i>	0.06	0.15		
218181_s_at	<i>MAP4K4</i>	0.06	0.65	-0.06	0.66
200948_at	<i>MLF2</i>	0.06	0.58	0.08	0.49
204263_s_at	<i>CPT2</i>	0.06	0.35		
217695_x_at	---	0.06	0.01	-0.08	-0.06
201412_at	<i>LRP10</i>	0.06	0.39	-0.02	0.22
217176_s_at	<i>ZFX</i>	0.06	-0.02	0.26	0.03
216205_s_at	<i>MFN2</i>	0.06	0.08	-0.01	0.08
202880_s_at	<i>CYTH1</i>	0.06	0.34		
201540_at	<i>FHL1</i>	0.06	-0.08		
210758_at	<i>PSIP1</i>	0.06	-0.31	0.18	-0.31
209250_at	<i>DEGS1</i>	0.06	-0.49	0.05	-0.47
213621_s_at	<i>GUK1</i>	0.06	0.02		
210793_s_at	<i>NUP98</i>	0.06	0.00	-0.04	-0.32
200965_s_at	<i>ABLIM1</i>	0.06	-0.16	-0.06	-0.36
201085_s_at	<i>SON</i>	0.06	-0.19		
217480_x_at	<i>IGKV1OR15-11</i>	0.06	0.14	0.13	0.20
200925_at	<i>COX6A1</i>	0.06	0.13		
210692_s_at	<i>SLC43A3</i>	0.06	-0.12		
201206_s_at	<i>RRBP1</i>	0.06	-0.20	-0.03	-0.22
205603_s_at	<i>DIAPH2</i>	0.06	-0.24	-0.01	-0.22
219275_at	<i>PDCD5</i>	0.06	-0.06		
202090_s_at	<i>UQCR</i>	0.06	0.15		
210870_s_at	<i>EPM2A</i>	0.06	0.28		
202369_s_at	<i>TRAM2</i>	0.06	0.49	-0.08	0.31
212499_s_at	<i>FCF1</i>	0.06	0.14		
203666_at	<i>CXCL12</i>	0.06	0.20	0.19	0.01
218681_s_at	<i>SDF2L1</i>	0.06	-0.03		
210534_s_at	<i>B9D1</i>	0.06	0.13	-0.07	0.13
221695_s_at	<i>MAP3K2</i>	0.06	0.14	-0.19	0.03
215263_at	<i>ZXDA</i>	0.06	0.01		
214224_s_at	<i>PIN4</i>	0.06	0.21		
200736_s_at	<i>GPX1</i>	0.06	0.32		
202837_at	<i>TRAFFD1</i>	0.06	-0.19	0.01	-0.19
202667_s_at	<i>SLC39A7</i>	0.06	0.22	0.01	0.16
209066_x_at	<i>UQCRB</i>	0.05	0.17	0.08	0.19
217620_s_at	<i>PIK3CB</i>	0.05	0.13		
91682_at	<i>EXOSC4</i>	0.05	-0.06	0.04	0.03

Table S1

219119_at	LSM8	0.05	0.25		
217019_at	RPS4X	0.05	0.13	0.21	0.45
206255_at	BLK	0.05	-0.51	-0.11	-0.53
214097_at	RPS21	0.05	0.12	0.12	0.11
208116_s_at	MAN1A1	0.05	-0.04	0.10	0.03
202785_at	NDUFA7	0.05	0.12		
207761_s_at	METTL7A	0.05	0.70	0.00	0.56
214005_at	GGCX	0.05	-0.02		
221477_s_at	SOD2	0.05	-0.07	0.09	-0.04
204242_s_at	ACOX3	0.05	0.10	0.05	0.10
221582_at	HIST3H2A	0.05	-0.10	-0.07	-0.12
219878_s_at	KLF13	0.05	0.05	0.06	0.06
213514_s_at	DIAPH1	0.05	-0.04		
204740_at	CNKSR1	0.05	0.05		
212142_at	MCM4	0.05	-0.16	0.22	0.04
203283_s_at	HS2ST1	0.05	-0.17		
220703_at	C10orf110	0.05	-0.05	0.23	0.20
203085_s_at	TGFB1	0.05	0.12		
203239_s_at	CNOT3	0.05	-0.15	-0.14	-0.28
202079_s_at	TRAK1	0.05	-0.08	-0.06	-0.14
205554_s_at	DNASE1L3	0.05	-0.12	0.04	-0.21
220885_s_at	CENPJ	0.05	-0.27	-0.02	-0.20
209689_at	CCDC93	0.05	0.14	-0.45	0.00
214022_s_at	IFITM1	0.05	-0.19		
206790_s_at	NDUFB1	0.05	0.20		
201601_x_at	IFITM1	0.05	-0.23		
209714_s_at	CDKN3	0.05	-0.27	0.03	-0.36
219999_at	MAN2A2	0.05	-0.06	-0.11	-0.21
200914_x_at	KTN1	0.05	-0.13		
202110_at	COX7B	0.05	0.10		
209277_at	TFPI2	0.05	-0.28	0.09	-0.28
207335_x_at	ATP5I	0.05	0.06		
214714_at	ZNF394	0.05	-0.20		
216383_at	RPL18A	0.05	0.06	0.05	0.10
214836_x_at	IGKC	0.05	0.12		
215178_x_at	NAAA	0.05	-0.03	-0.17	-0.13
219448_at	TMEM70	0.05	-0.08		
206693_at	IL7	0.05	-0.22	0.11	-0.08
217365_at	PRAMEF11	0.05	0.16	0.05	0.05
216841_s_at	SOD2	0.05	0.03		
218886_at	PAK1IP1	0.05	-0.32	0.02	-0.43
205264_at	CD3EAP	0.05	-0.49	-0.08	-0.57
37586_at	ZNF142	0.05	-0.17		
213293_s_at	TRIM22	0.05	0.53	0.13	0.65
219762_s_at	RPL36	0.05	0.06		
213076_at	ITPKC	0.05	0.62	0.04	0.42
219405_at	TRIM68	0.05	0.45	0.02	0.41
219927_at	FCF1	0.05	0.18	0.09	0.31
211464_x_at	CASP6	0.05	0.27	-0.07	0.23
209367_at	STXBP2	0.05	0.01	0.00	0.01
207039_at	CDKN2A	0.05	0.12		
201951_at	ALCAM	0.05	0.28	0.02	0.38
221995_s_at	MRP63	0.05	0.03		
202971_s_at	DYRK2	0.05	-0.28	-0.14	-0.36
218011_at	UBL5	0.05	0.10	0.05	0.03

Table S1

214007_s_at	<i>TWF1</i>	0.05	-0.02	0.17	0.13
210219_at	<i>SP100</i>	0.05	-0.10		
215691_x_at	<i>HSPB11</i>	0.05	0.15		
201155_s_at	<i>MFN2</i>	0.05	0.25		
209836_x_at	<i>BOLA2</i>	0.05	-0.01		
209030_s_at	<i>CADM1</i>	0.05	0.35	-0.10	0.09
208371_s_at	<i>RING1</i>	0.05	-0.03	0.03	0.09
203183_s_at	<i>SMARCD1</i>	0.05	-0.07	0.08	0.13
217604_at	<i>DNPEP</i>	0.05	-0.04	-0.02	0.00
38710_at	<i>OTUB1</i>	0.05	0.15		
209320_at	<i>ADCY3</i>	0.05	0.05	0.04	-0.18
207735_at	<i>RNF125</i>	0.05	-0.29	0.17	-0.31
200660_at	<i>S100A11</i>	0.05	0.27	-0.05	0.08
222115_x_at	<i>N-PAC</i>	0.05	0.09	0.00	0.00
221260_s_at	<i>CSRNP2</i>	0.05	0.36	-0.14	0.34
209374_s_at	<i>IGHM</i>	0.05	0.11		
205448_s_at	<i>MAP3K12</i>	0.05	0.50	0.01	0.38
201668_x_at	<i>MARCKS</i>	0.05	-0.20	0.18	0.02
221618_s_at	<i>TAF9B</i>	0.05	0.33	0.18	0.40
218201_at	<i>NDUFB2</i>	0.05	0.11		
202552_s_at	<i>CRIM1</i>	0.05	-0.39	0.16	-0.21
202307_s_at	<i>TAP1</i>	0.05	0.43	-0.01	0.30
202343_x_at	<i>COX5B</i>	0.05	0.10		
215207_x_at	<i>LOC646208</i>	0.05	-0.05	0.05	0.07
209541_at	<i>IGF1</i>	0.05	-0.44	0.14	-0.16
222027_at	<i>NUCKS1</i>	0.05	0.01		
206896_s_at	<i>GNG7</i>	0.05	-0.24		
200787_s_at	<i>PEA15</i>	0.05	0.25	0.07	0.37
204867_at	<i>GCHFR</i>	0.05	0.19	0.06	0.26
203892_at	<i>WFDC2</i>	0.05	0.26	0.08	0.10
204530_s_at	<i>TOX</i>	0.05	-0.21	0.20	-0.28
221989_at	<i>RPL10</i>	0.05	-0.43	0.02	-0.38
215891_s_at	<i>GM2A</i>	0.05	0.51	0.09	0.54
214079_at	<i>DHRS2</i>	0.05	0.01		
201568_at	<i>UQCRCQ</i>	0.05	0.16		
AFFX-r2-Ec-bioB	---	0.05	-0.05		
209701_at	<i>ERAP1</i>	0.05	0.24	-0.07	0.19
202212_at	<i>PES1</i>	0.05	-0.12	-0.04	-0.13
216751_at	---	0.05	0.00	0.03	-0.10
216348_at	<i>RPS17P5</i>	0.05	0.08		
218587_s_at	<i>KTELC1</i>	0.05	0.41		
214984_at	<i>LOC440345</i>	0.05	-0.11	-0.23	-0.40
214314_s_at	<i>EIF5B</i>	0.05	-0.12		
204255_s_at	<i>VDR</i>	0.05	-0.03		
215954_s_at	<i>C19orf29</i>	0.05	0.00	-0.06	-0.04
217156_at	<i>HADHA</i>	0.04	0.10	0.17	0.29
34408_at	<i>RTN2</i>	0.04	-0.09	0.10	0.11
218291_at	<i>ROBLD3</i>	0.04	0.30		
220261_s_at	<i>ZDHHC4</i>	0.04	0.10	-0.02	0.16
202961_s_at	<i>ATP5J2</i>	0.04	0.11		
220999_s_at	<i>CYFIP2</i>	0.04	0.37		
210172_at	<i>SF1</i>	0.04	-0.11	0.06	-0.09
210276_s_at	<i>TRIOBP</i>	0.04	0.26		
209913_x_at	<i>KIAA0415</i>	0.04	0.13	-0.11	0.09
204472_at	<i>GEM</i>	0.04	-0.26		

Table S1

217693_x_at	MAGO2	0.04	0.00	0.09	-0.01
202281_at	GAK	0.04	0.33		
204884_s_at	HUS1	0.04	-0.04	-0.02	-0.14
217814_at	CCDC47	0.04	0.05		
209023_s_at	STAG2	0.04	-0.07		
213900_at	C9orf61	0.04	0.10		
214677_x_at	IGL@	0.04	0.13		
205832_at	CPA4	0.04	-0.05	-0.01	-0.22
218200_s_at	NDUFB2	0.04	0.11		
201562_s_at	SORD	0.04	0.45	-0.02	0.48
214193_s_at	C1orf107	0.04	-0.17	-0.03	-0.26
203580_s_at	SLC7A6	0.04	0.55	-0.08	0.37
217821_s_at	WBP11	0.04	-0.01		
222338_x_at	LOC646808	0.04	0.21		
218518_at	FAM13B	0.04	0.31		
208540_x_at	S100A11	0.04	0.25		
220853_at	GTDC1	0.04	-0.03	0.13	-0.01
204571_x_at	PIN4	0.04	0.18		
204015_s_at	DUSP4	0.04	-0.32		
AFFX-BioC-3_at	---	0.04	-0.05		
200988_s_at	PSME3	0.04	-0.06	-0.09	-0.17
211551_at	EGFR	0.04	-0.03		
216509_x_at	MLLT10	0.04	-0.03	-0.02	-0.14
201299_s_at	MOBK1B	0.04	-0.11	0.09	0.05
200796_s_at	MCL1	0.04	-0.02	0.19	0.02
204283_at	FARS2	0.04	-0.32	-0.02	-0.29
214656_x_at	MYO1C	0.04	-0.12	-0.01	0.05
212561_at	DENND5A	0.04	0.32		
210748_at	LOC10012962	0.04	0.09	0.14	0.19
222329_x_at	ANKRD17	0.04	-0.02	-0.04	-0.17
217297_s_at	MYO9B	0.04	-0.12	-0.20	-0.32
221877_at	IRGQ	0.04	0.34	0.21	0.44
212022_s_at	MKI67	0.04	-0.42	-0.07	-0.62
211404_s_at	APLP2	0.04	0.13		
210886_x_at	TP53TG1	0.04	0.60	-0.05	0.54
218977_s_at	TRNAU1AP	0.04	0.24		
210609_s_at	TP53I3	0.04	1.56	0.02	1.40
200838_at	CTSB	0.04	-0.17		
204275_at	SOLH	0.04	0.01	-0.13	-0.06
203286_at	RNF44	0.04	-0.25		
208506_at	HIST1H3F	0.04	-0.13	-0.16	-0.23
209910_at	SLC25A16	0.04	0.22	-0.02	0.00
218563_at	NDUFA3	0.04	0.10		
217313_at	---	0.04	0.08		
217787_s_at	GALNT2	0.04	0.13	0.04	0.12
217963_s_at	NGFRAP1	0.04	0.07	-0.11	-0.07
208478_s_at	BAX	0.04	0.55	0.04	0.74
214316_x_at	CALR	0.04	-0.01		
214717_at	DKFZp434H14	0.04	0.22	0.01	0.19
211416_x_at	GGTLC1	0.04	0.37	-0.10	0.18
219304_s_at	PDGFD	0.04	0.05	-0.03	-0.08
209667_at	CES2	0.04	0.74	-0.01	0.54
217790_s_at	SSR3	0.04	-0.11		
202201_at	BLVRB	0.04	0.41	0.01	0.44
203827_at	WIPI1	0.04	-0.37		

Table S1

212377_s_at	NOTCH2	0.04	0.38	0.02	0.37
201441_at	COX6B1	0.04	0.11		
205955_at	TAF6L	0.04	0.10	-0.18	-0.25
219617_at	C2orf34	0.04	-0.15	-0.01	-0.16
217256_x_at	RPL36A	0.04	0.08		
212592_at	IGJ	0.04	-0.08		
207064_s_at	AOC2	0.04	0.31	-0.14	0.24
209224_s_at	NDUFA2	0.04	0.06		
208511_at	PTTG3	0.04	-0.12	-0.02	-0.04
201093_x_at	SDHA	0.04	0.38		
203348_s_at	ETV5	0.04	-0.34		
216380_x_at	RPS28P6	0.04	0.13		
220103_s_at	MRPS18C	0.04	0.02	0.15	0.17
208886_at	H1FO	0.03	-0.91		
212223_at	IDS	0.03	-0.14	-0.05	-0.14
222366_at	ADNP	0.03	0.02	-0.09	0.03
221763_at	JMJD1C	0.03	-0.34	0.09	-0.37
219014_at	PLAC8	0.03	0.24	0.21	0.64
220791_x_at	SCN11A	0.03	0.08		
205181_at	ZNF193	0.03	0.34	0.00	0.33
45687_at	PRR14	0.03	0.34		
207573_x_at	ATP5L	0.03	0.11		
203606_at	NDUFS6	0.03	0.07		
33646_g_at	GM2A	0.03	0.47	0.11	0.60
218674_at	C5orf44	0.03	0.28		
217764_s_at	RAB31	0.03	-0.39	-0.04	-0.35
221214_s_at	NELF	0.03	0.13	-0.01	0.14
215118_s_at	IGHG1	0.03	0.10	-0.05	-0.05
219703_at	MNS1	0.03	0.11	0.07	0.32
217967_s_at	FAM129A	0.03	0.46		
221915_s_at	RANBP1	0.03	0.04		
208035_at	GRM6	0.03	0.03	0.10	-0.04
218354_at	TRAPPC2L	0.03	0.16		
216177_at	LOC391132	0.03	0.07		
218213_s_at	C11orf10	0.03	0.08		
222279_at	RP3-377H14.5	0.03	-0.03	0.24	0.24
205288_at	CDC14A	0.03	-0.19	0.09	-0.06
221987_s_at	TSR1	0.03	-0.29		
202896_s_at	SIRPA	0.03	0.17		
211075_s_at	CD47	0.03	-0.56	0.04	-0.48
210105_s_at	FYN	0.03	-0.23		
218650_at	DGCR8	0.03	-0.03		
213372_at	PAQR3	0.03	0.22		
219941_at	TMEM19	0.03	0.28	-0.14	0.12
208579_x_at	H2BFS	0.03	0.11		
203495_at	LRRC14	0.03	0.15		
214805_at	EIF4A1	0.03	-0.46	-0.19	-0.55
214148_at	FOXM1	0.03	0.28		
204402_at	RHBDD3	0.03	0.22		
206707_x_at	FAM65B	0.03	-0.51	0.01	-0.61
212271_at	MAPK1	0.03	0.23		
218661_at	NAT15	0.03	0.15	-0.16	-0.23
208973_at	ERI3	0.03	0.11		
209216_at	WDR45	0.03	0.25		
202314_at	CYP51A1	0.03	-0.44		

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214617_at	PRF1	0.03	0.56		
221845_s_at	CLPB	0.03	0.15	-0.06	-0.09
205917_at	ZNF264	0.03	0.30		
214072_x_at	NENF	0.03	0.06		
208546_x_at	HIST1H2BH	0.03	0.08		
214669_x_at	IGKC	0.03	0.12		
208920_at	SRI	0.03	-0.34	0.14	-0.19
205726_at	DIAPH2	0.03	-0.23	0.05	-0.21
217733_s_at	TMSB10	0.03	-0.03		
203454_s_at	ATOX1	0.03	0.25		
212952_at	CALR	0.03	0.03	0.02	-0.09
205214_at	STK17B	0.03	-0.47	0.14	-0.39
201436_at	EIF4E	0.03	-0.39	0.15	-0.33
204959_at	MNDA	0.03	-0.54	0.16	-0.32
200601_at	ACTN4	0.03	0.20	-0.19	-0.01
204759_at	RCBTB2	0.03	0.35		
202687_s_at	TNFSF10	0.03	-0.02	0.22	0.00
201467_s_at	NQO1	0.03	0.18	-0.16	-0.01
200665_s_at	SPARC	0.03	0.69	0.01	0.70
208149_x_at	DDX11	0.03	-0.07		
213311_s_at	TCF25	0.03	0.10		
205087_at	RWDD3	0.03	0.32	-0.04	0.29
212473_s_at	MICAL2	0.03	0.18	0.06	0.02
219862_s_at	NARF	0.03	-0.38		
216557_x_at	IGH@	0.03	0.19	0.14	0.04
210186_s_at	FKBP1A	0.03	0.10	0.10	0.33
219074_at	TMEM184C	0.03	0.30		
215565_at	DTNB	0.03	0.12		
204480_s_at	C9orf16	0.03	0.16		
218829_s_at	CHD7	0.03	-0.31	0.04	-0.41
202059_s_at	KPNA1	0.03	0.46		
36612_at	FAM168A	0.03	0.29	-0.13	0.21
209196_at	WDR46	0.03	-0.17		
204038_s_at	LPAR1	0.03	0.00	0.07	-0.09
204360_s_at	NAGLU	0.03	-0.06		
217763_s_at	RAB31	0.03	-0.38	-0.01	-0.37
207078_at	MED6	0.03	0.03	-0.09	-0.12
204282_s_at	FARS2	0.03	-0.40	-0.04	-0.44
222208_s_at	POLR2J4	0.03	0.17	-0.04	0.21
217715_x_at	ZNF354A	0.03	-0.13	0.02	0.15
214377_s_at	CTRL	0.03	0.01	-0.13	-0.01
218415_at	VPS33B	0.03	0.43	-0.01	0.42
215987_at	RAPGEF2	0.03	-0.18	-0.09	-0.37
215001_s_at	GLUL	0.03	-0.11		
214844_s_at	DOK5	0.02	0.12	-0.05	-0.06
215587_x_at	BTBD14B	0.02	-0.08	0.07	-0.09
212218_s_at	FASN	0.02	-0.52	-0.08	-0.39
219858_s_at	MFSB6	0.02	0.19	-0.03	0.13
210926_at	ACTBL3	0.02	-0.13		
222164_at	FGFR1	0.02	0.13	0.11	0.18
220588_at	BCAS4	0.02	0.27	0.04	0.39
208611_s_at	SPTAN1	0.02	-0.01	-0.02	-0.12
34210_at	CD52	0.02	0.02		
200826_at	SNRPD2	0.02	0.06		
203946_s_at	ARG2	0.02	0.00		

Table S1

210050_at	<i>TPI1</i>	0.02	0.06	-0.05	0.08
203910_at	<i>ARHGAP29</i>	0.02	-0.02		
213735_s_at	<i>COX5B</i>	0.02	0.09		
210253_at	<i>HTATIP2</i>	0.02	-0.13		
205224_at	<i>SURF2</i>	0.02	0.10		
207721_x_at	<i>HINT1</i>	0.02	0.06		
214934_at	<i>ATP9B</i>	0.02	0.06	-0.09	0.01
212501_at	<i>CEBPB</i>	0.02	0.47	-0.14	-0.13
216153_x_at	<i>RECK</i>	0.02	0.01	0.16	0.14
209372_x_at	<i>TUBB2A</i>	0.02	-0.11	-0.01	-0.05
59433_at	<i>LOC286434</i>	0.02	0.27		
201224_s_at	<i>SRRM1</i>	0.02	-0.06		
221188_s_at	<i>CIDEA</i>	0.02	-0.01		
201838_s_at	<i>SUPT7L</i>	0.02	0.09	-0.21	-0.09
215037_s_at	<i>BCL2L1</i>	0.02	0.34		
208132_x_at	<i>BAT2</i>	0.02	-0.18	-0.06	-0.34
201625_s_at	<i>INSIG1</i>	0.02	-0.56		
216497_at	<i>HNRNPA1</i>	0.02	0.06	0.13	0.14
203349_s_at	<i>ETV5</i>	0.02	-0.38		
202203_s_at	<i>AMFR</i>	0.02	-0.23		
222326_at	<i>PDE4B</i>	0.02	0.65	0.19	0.71
207936_x_at	<i>RFPL3</i>	0.02	0.01	0.02	-0.05
208895_s_at	<i>DDX18</i>	0.02	-0.15		
204205_at	<i>APOBEC3G</i>	0.02	0.52	0.01	0.54
205762_s_at	<i>DUS4L</i>	0.02	0.17		
203731_s_at	<i>ZKSCAN5</i>	0.02	0.15		
217520_x_at	<i>LOC731884</i>	0.02	0.02	0.04	-0.03
222187_x_at	<i>G3BP1</i>	0.02	0.00	0.10	0.13
64440_at	<i>IL17RC</i>	0.02	0.03	0.02	0.07
209727_at	<i>GM2A</i>	0.02	0.42	0.12	0.71
204436_at	<i>PLEKHO2</i>	0.02	0.44	-0.10	0.35
210935_s_at	<i>WDR1</i>	0.02	0.08	0.11	0.27
212717_at	<i>PLEKHM1</i>	0.02	0.28	-0.01	0.25
217191_x_at	<i>COX6CP1</i>	0.02	0.01		
201445_at	<i>CNN3</i>	0.02	0.04		
217931_at	<i>CNPY3</i>	0.02	-0.40	0.05	-0.31
205655_at	<i>MDM4</i>	0.02	-0.08	0.07	0.08
205132_at	<i>ACTC1</i>	0.02	0.25	0.15	0.29
212999_x_at	<i>HLA-DQB1</i>	0.02	-0.23	0.14	-0.04
212580_at	<i>ERAP1</i>	0.02	0.12		
214690_at	<i>TAF1B</i>	0.02	-0.22	-0.01	-0.36
205081_at	<i>CRIP1</i>	0.02	0.10		
AFFX-BioDn-5_at	---	0.02	-0.06		
202443_x_at	<i>NOTCH2</i>	0.02	0.29		
205006_s_at	<i>NMT2</i>	0.02	0.14	0.00	0.26
202075_s_at	<i>PLTP</i>	0.02	0.31		
201360_at	<i>CST3</i>	0.02	0.20		
215599_at	<i>LOC653188</i>	0.02	-0.09	-0.36	-0.49
211530_x_at	<i>HLA-G</i>	0.02	0.08	0.11	0.43
210257_x_at	<i>CUL4B</i>	0.02	-0.13		
215567_at	<i>FCF1</i>	0.02	-0.01	0.14	0.08
210771_at	<i>PPARA</i>	0.02	-0.05	-0.05	0.00
215425_at	<i>BTG3</i>	0.02	0.00	0.07	0.03
213364_s_at	<i>SNX1</i>	0.02	0.36	0.08	0.45
38069_at	<i>CLCN7</i>	0.02	-0.01	0.11	0.05

Table S1

200909_s_at	RPLP2	0.02	0.03		
221800_s_at	C17orf70	0.02	0.00	-0.12	-0.05
218031_s_at	FOXN3	0.02	-0.31		
218894_s_at	MAGOHB	0.02	-0.04		
201840_at	NEDD8	0.02	0.10		
220826_at	TCP10L	0.02	0.02		
213193_x_at	TRBC1	0.02	-0.15	-0.06	-0.23
221524_s_at	RRAGD	0.02	-0.31		
208250_s_at	DMBT1	0.02	-0.03		
201205_at	RRBP1	0.02	0.03		
212445_s_at	NEDD4L	0.02	-0.23		
210864_x_at	HFE	0.02	-0.01		
205904_at	MICA	0.02	0.37	0.16	0.40
212706_at	LOC100133001	0.02	-0.40		
78330_at	ZNF335	0.02	-0.04		
221571_at	TRAF3	0.02	-0.05	-0.22	-0.04
219724_s_at	KIAA0748	0.02	0.18	-0.11	0.07
201810_s_at	SH3BP5	0.02	-0.31	-0.10	-0.42
222229_x_at	RPL26P37	0.02	0.06		
213469_at	PGAP1	0.02	1.04	0.24	1.31
210796_x_at	SIGLEC6	0.02	-0.05	0.05	-0.02
207408_at	SLC22A14	0.02	0.03	0.01	0.05
202438_x_at	IDS	0.02	-0.17	0.00	-0.13
213593_s_at	TRA2A	0.02	0.05	0.23	0.04
207969_x_at	ACRV1	0.02	0.07	0.14	0.15
218273_s_at	PPM2C	0.02	-0.04		
210076_x_at	SERBP1	0.02	-0.19	0.02	-0.45
214975_s_at	MTMR1	0.02	0.04	-0.18	0.08
221563_at	DUSP10	0.02	-0.39	0.00	-0.41
215465_at	ABCA12	0.02	0.83	0.04	0.76
AFFX-r2-Ec-bioC	---	0.02	-0.05		
218211_s_at	MLPH	0.02	-0.02	-0.01	-0.12
219219_at	TMEM160	0.02	0.05		
213705_at	MAT2A	0.02	-0.07	-0.13	-0.38
204662_at	CP110	0.02	0.83	0.06	0.88
39650_s_at	PCNXL2	0.02	0.48	-0.09	0.30
208646_at	RPS14	0.02	0.06		
215146_s_at	TTC28	0.01	0.02	0.02	-0.05
AFFX-r2-Ec-bioC	---	0.01	-0.04		
201082_s_at	DCTN1	0.01	-0.04	-0.11	-0.21
208229_at	FGFR2	0.01	0.01		
208820_at	PTK2	0.01	-0.35	-0.23	-0.46
206565_x_at	SMA4	0.01	0.08	-0.05	-0.25
205362_s_at	PFDN4	0.01	0.07		
211025_x_at	COX5B	0.01	0.11		
211926_s_at	MYH9	0.01	-0.03		
201527_at	ATP6V1F	0.01	0.16		
219696_at	DENND1B	0.01	0.01	-0.08	-0.07
204446_s_at	ALOX5	0.01	0.43		
AFFX-BioB-M_at	---	0.01	-0.05		
208490_x_at	HIST1H2BF	0.01	0.06	-0.06	-0.11
212220_at	PSME4	0.01	0.12		
214953_s_at	APP	0.01	-0.06		
208624_s_at	EIF4G1	0.01	-0.10		
208936_x_at	LGALS8	0.01	-0.24		

Table S1

204789_at	<i>FMNL1</i>	0.01	-0.20	-0.24	-0.35
221869_at	<i>ZNF512B</i>	0.01	-0.07		
209738_x_at	<i>PSG6</i>	0.01	-0.02	0.06	0.05
AFFX-BioB-3_at	---	0.01	-0.07		
209449_at	<i>LSM2</i>	0.01	0.30		
215373_x_at	<i>FLJ12151</i>	0.01	0.09	0.10	0.06
214772_at	<i>C11orf41</i>	0.01	0.46	-0.03	0.24
216437_at	<i>EPC1</i>	0.01	0.05	0.00	-0.16
214139_at	<i>ARID4B</i>	0.01	0.21	0.00	0.09
205022_s_at	<i>FOXN3</i>	0.01	-0.33	-0.05	-0.42
217300_at	---	0.01	0.04	-0.12	0.06
205901_at	<i>PNOC</i>	0.01	-0.30	-0.02	-0.31
213548_s_at	<i>CDV3</i>	0.01	-0.44	0.15	-0.11
204632_at	<i>RPS6KA4</i>	0.01	-0.04	-0.17	-0.15
213353_at	<i>ABCA5</i>	0.01	0.34		
40225_at	<i>GAK</i>	0.01	0.42		
203478_at	<i>NDUFC1</i>	0.01	-0.03		
217052_x_at	---	0.01	0.00		
222001_x_at	<i>LOC728855</i>	0.01	-0.44	0.13	-0.37
209068_at	<i>HNRPDL</i>	0.01	-0.35		
201811_x_at	<i>SH3BP5</i>	0.01	-0.27	0.00	-0.39
214916_x_at	<i>IGH@</i>	0.01	0.13	0.12	0.14
218706_s_at	<i>GRAMD3</i>	0.01	0.53	0.06	0.57
AFFX-r2-Ec-bioB	---	0.01	-0.06		
221615_at	<i>BMP8A</i>	0.01	-0.05		
201681_s_at	<i>DLG5</i>	0.01	0.70		
213857_s_at	<i>CD47</i>	0.01	-0.49	0.03	-0.46
204529_s_at	<i>TOX</i>	0.01	-0.35	0.00	-0.29
222105_s_at	<i>NKIRAS2</i>	0.01	0.21		
44702_at	<i>SYDE1</i>	0.01	0.01	-0.03	0.12
201812_s_at	<i>C4orf46</i>	0.01	0.04		
219104_at	<i>RNF141</i>	0.01	0.13	0.08	0.32
217157_x_at	<i>IGK@</i>	0.01	0.10	-0.10	0.12
210649_s_at	<i>ARID1A</i>	0.01	0.00	-0.18	-0.10
213786_at	<i>TAX1BP1</i>	0.01	-0.13		
204222_s_at	<i>GLIPR1</i>	0.01	-0.35		
AFFX-r2-Ec-bioB	---	0.01	-0.07		
201134_x_at	<i>COX7C</i>	0.01	0.07		
205145_s_at	<i>LOC649851</i>	0.01	0.32		
217446_x_at	---	0.01	0.04		
218854_at	<i>DSE</i>	0.01	0.59	-0.03	0.58
209204_at	<i>LMO4</i>	0.01	0.27	-0.07	0.06
205354_at	<i>GAMT</i>	0.01	0.61		
204058_at	<i>ME1</i>	0.01	0.40	0.11	0.39
202640_s_at	<i>RANBP3</i>	0.01	0.15	-0.04	-0.10
220486_x_at	<i>LOC10013088</i>	0.01	0.26	0.12	0.21
203402_at	<i>KCNAB2</i>	0.01	-0.10		
206572_x_at	<i>ZNF85</i>	0.01	0.08		
215754_at	<i>SCARB2</i>	0.01	-0.01		
215855_s_at	<i>TMF1</i>	0.01	0.30		
204174_at	<i>ALOX5AP</i>	0.01	-0.32	0.19	-0.12
205414_s_at	<i>RICH2</i>	0.01	0.11		
209988_s_at	<i>ASCL1</i>	0.01	-0.31	-0.12	-0.38
203265_s_at	<i>MAP2K4</i>	0.01	0.29	0.07	0.42
209535_s_at	---	0.01	0.16		

Table S1

219880_at	---	0.01	0.03	0.01	0.01
218382_s_at	U2AF2	0.01	-0.07		
218494_s_at	SLC2A4RG	0.01	0.02	-0.15	-0.12
214995_s_at	APOBEC3F	0.01	0.59	0.05	0.74
215100_at	C6orf105	0.01	-0.01		
220391_at	ZBTB3	0.01	-0.09	0.04	-0.20
207610_s_at	EMR2	0.01	-0.15		
208199_s_at	ZFP161	0.01	0.01		
207128_s_at	ZNF223	0.01	0.30		
214658_at	TMED7	0.01	-0.06		
AFFX-BioC-5_at	---	0.01	-0.05		
203017_s_at	SSX2IP	0.01	-0.29		
217813_s_at	SPIN1	0.01	0.04	-0.10	-0.08
211796_s_at	TRBC1	0.01	-0.29	0.00	-0.28
209534_x_at	AKAP13	0.01	-0.21	-0.15	-0.34
215287_at	---	0.01	0.24	-0.05	0.24
213166_x_at	FAM128A	0.01	0.08		
212256_at	GALNT10	0.01	0.21	-0.06	0.25
AFFX-HUMISGF3	STAT1	0.01	-0.19		
208180_s_at	HIST1H4B	0.01	0.16	0.01	-0.07
213457_at	MFHAS1	0.01	0.12		
219143_s_at	RPP25	0.01	-0.37		
213779_at	EMID1	0.00	-0.03		
215714_s_at	SMARCA4	0.00	-0.17	-0.11	-0.26
215848_at	SCAPER	0.00	0.03		
218018_at	PDXK	0.00	0.01	0.04	0.08
216583_x_at	NHP2	0.00	-0.03		
201801_s_at	SLC29A1	0.00	-0.09	0.09	0.10
212209_at	MED13L	0.00	0.25	0.04	0.09
41856_at	UNC5B	0.00	0.03		
217983_s_at	RNASET2	0.00	-0.72	0.01	-0.49
217894_at	KCTD3	0.00	0.01	-0.13	-0.09
203523_at	LSP1	0.00	0.14		
212556_at	SCRIB	0.00	0.41	-0.01	0.43
208703_s_at	APLP2	0.00	0.08	-0.03	0.10
215434_x_at	NBPF1	0.00	0.11		
220669_at	OTUD4	0.00	-0.27		
215532_x_at	ZNF492	0.00	-0.06	-0.14	-0.22
205429_s_at	MPP6	0.00	-0.39		
214119_s_at	FKBP1A	0.00	0.07	0.02	0.20
201319_at	MYL12A	0.00	-0.25		
201167_x_at	ARHGDI1A	0.00	-0.08		
206828_at	TXK	0.00	0.39	-0.21	0.07
208874_x_at	PPP2R4	0.00	-0.12		
205436_s_at	H2AFX	0.00	-0.11	-0.18	-0.51
209668_x_at	CES2	0.00	0.52	-0.02	0.41
221466_at	P2RY4	0.00	0.04		
207392_x_at	UGT2B15	0.00	0.37	0.01	0.23
210361_s_at	ELF2	0.00	-0.15	0.11	-0.14
220161_s_at	EPB41L4B	0.00	0.25	0.04	0.65
209895_at	PTPN11	0.00	-0.04		
200808_s_at	ZYX	0.00	-0.27	-0.10	-0.32
221039_s_at	ASAP1	0.00	0.08		
204610_s_at	CCDC85B	0.00	-0.40		
AFFX-HUMISGF3	STAT1	0.00	-0.30		

Table S1

209138_x_at	IGL@	0.00	0.11		
209136_s_at	USP10	0.00	-0.06	-0.02	-0.09
206543_at	SMARCA2	0.00	-0.03	0.15	0.25
202247_s_at	MTA1	0.00	-0.15	-0.06	-0.20
210088_x_at	MYL4	0.00	0.02	-0.04	-0.12
203522_at	CCS	0.00	0.12		
220236_at	PDPR	0.00	-0.03	-0.36	-0.24
215930_s_at	CTAGE5	0.00	-0.08	0.02	-0.12
219287_at	KCNMB4	0.00	-0.05	0.00	-0.01
207152_at	NTRK2	0.00	-0.01	0.06	-0.02
201282_at	OGDH	0.00	-0.12	-0.06	-0.31
212105_s_at	DHX9	0.00	-0.11	-0.04	0.27
201996_s_at	SPEN	0.00	-0.04	-0.02	-0.14
221464_at	OR1D2	0.00	-0.06	0.06	0.01
220605_s_at	SIRT2	0.00	0.03	-0.12	-0.01
219584_at	PLA1A	0.00	0.41	0.01	0.49
221435_x_at	HYI	0.00	-0.06		
221680_s_at	ETV7	0.00	0.30	-0.09	0.10
212963_at	TM2D1	0.00	-0.02		
203058_s_at	PAPSS2	0.00	0.20	-0.05	0.15
214679_x_at	GNA11	0.00	0.24		
213979_s_at	CTBP1	0.00	-0.11		
217117_x_at	MUC3A	0.00	-0.01		
215012_at	ZNF451	0.00	0.29	0.17	0.45
37860_at	ZNF337	0.00	0.55	-0.05	0.55
216783_at	LOC283677	0.00	0.05	0.06	0.03
215600_x_at	FBXW12	0.00	0.06	-0.04	-0.03
202791_s_at	SAPS2	0.00	0.11		
204238_s_at	C6orf108	0.00	-0.01	0.00	0.02
212957_s_at	LOC92249	0.00	-0.07	-0.11	0.12
207687_at	INHBC	0.00	0.08	0.10	0.17
214152_at	CCPG1	0.00	0.02		
204407_at	TTF2	0.00	0.23		
212193_s_at	LARP1	0.00	-0.04	-0.20	-0.34
32062_at	LRRC14	0.00	0.16	-0.04	0.02
203905_at	PARN	0.00	0.33		
216565_x_at	LOC391020	0.00	-0.23		
202565_s_at	SVIL	0.00	0.13	0.03	0.12
203273_s_at	TUSC2	0.00	0.40	0.09	0.32
217484_at	CR1	0.00	-0.15	-0.22	-0.13
208284_x_at	GGT1	0.00	0.51	-0.08	0.29
212936_at	FAM172A	0.00	-0.38		
217368_at	ATP5G2	0.00	0.05	0.11	0.14
215785_s_at	CYFIP2	0.00	0.27	-0.04	0.21
216253_s_at	PARVB	0.00	-0.05		
204506_at	PPP3R1	0.00	-0.07		
201416_at	SOX4	0.00	-0.08	0.03	-0.02
212744_at	BBS4	0.00	0.55	0.04	0.57
217888_s_at	ARFGAP1	0.00	0.10	-0.18	-0.05
214992_s_at	DNASE2	0.00	-0.02	0.09	-0.01
206940_s_at	LOC10013131	0.00	0.01		
204144_s_at	PIGQ	0.00	0.04	-0.11	0.02
217762_s_at	RAB31	0.00	-0.42	0.01	-0.45
203272_s_at	TUSC2	0.00	0.27		
221485_at	B4GALT5	-0.01	-0.35		

Table S1

204151_x_at	AKR1C1	-0.01	0.13	0.05	0.09
212679_at	TBL2	-0.01	-0.06	0.07	-0.08
217744_s_at	PERP	-0.01	0.44	0.01	0.39
204533_at	CXCL10	-0.01	-0.01	0.04	-0.06
202496_at	EDC4	-0.01	-0.05	-0.36	-0.19
52164_at	C11orf24	-0.01	0.69	-0.09	0.57
205136_s_at	NUFIP1	-0.01	-0.29		
204477_at	RABIF	-0.01	0.03	-0.04	0.04
202115_s_at	NOC2L	-0.01	-0.03	-0.13	-0.11
219387_at	CCDC88A	-0.01	-0.09	-0.04	-0.14
220398_at	GNPTAB	-0.01	0.10		
208523_x_at	HIST1H2BI	-0.01	0.04	-0.09	-0.10
AFFX-BioDn-3_at	---	-0.01	-0.05		
201598_s_at	INPPL1	-0.01	-0.08		
211612_s_at	IL13RA1	-0.01	0.20	0.05	0.14
204070_at	RARRES3	-0.01	-0.10		
205781_at	C16orf7	-0.01	0.12		
204494_s_at	C15orf39	-0.01	-0.37	-0.20	-0.43
202089_s_at	SLC39A6	-0.01	-0.06		
208830_s_at	SUPT6H	-0.01	0.16	-0.16	-0.06
222165_x_at	C9orf16	-0.01	0.20	-0.04	0.07
209919_x_at	GGT1	-0.01	0.47	-0.06	0.26
AFFX-BioB-5_at	---	-0.01	-0.07		
207131_x_at	GGT1	-0.01	0.48	0.00	0.35
210732_s_at	LGALS8	-0.01	-0.36		
213305_s_at	PPP2R5C	-0.01	-0.29		
211928_at	DYNC1H1	-0.01	0.29		
216025_x_at	CYP2C9	-0.01	-0.02	0.14	-0.05
219288_at	C3orf14	-0.01	0.11	0.16	0.15
222341_x_at	CCDC14	-0.01	0.01		
215236_s_at	PICALM	-0.01	0.19	-0.12	0.12
218471_s_at	BBS1	-0.01	0.30		
211913_s_at	MERTK	-0.01	-0.01	0.09	0.11
218212_s_at	MOCS2	-0.01	0.37	-0.08	0.29
208302_at	HMHB1	-0.01	-0.08	-0.21	-0.15
201943_s_at	CPD	-0.01	0.20	0.03	0.27
60815_at	POLR2J4	-0.01	0.31	-0.10	0.24
202709_at	FMOD	-0.01	-0.03		
220572_at	DKFZp547G18	-0.01	0.21		
212249_at	PIK3R1	-0.01	0.24	-0.06	0.22
202990_at	PYGL	-0.01	-0.12		
206169_x_at	ZC3H7B	-0.01	0.05	-0.01	0.01
219759_at	ERAP2	-0.01	0.09		
212081_x_at	BAT2	-0.01	-0.21	-0.09	-0.27
216261_at	ITGB3	-0.01	0.12	-0.12	-0.07
212503_s_at	DIP2C	-0.01	-0.09	-0.13	-0.13
213022_s_at	UTRN	-0.01	0.09	0.01	0.17
211014_s_at	LOC161527	-0.01	0.15		
204661_at	CD52	-0.01	-0.01		
205328_at	CLDN10	-0.01	-0.01		
221192_x_at	MFSD11	-0.01	0.07		
218437_s_at	LZTFL1	-0.01	-0.28		
214698_at	ROD1	-0.01	0.38	0.03	0.48
204062_s_at	ULK2	-0.01	0.00		
212182_at	NUDT4	-0.01	-0.25	0.02	-0.25

Table S1

214241_at	NDUFB8	-0.01	0.14	0.11	0.19
212098_at	LOC151162	-0.01	-0.28	-0.27	-0.40
217911_s_at	BAG3	-0.01	-0.02	0.02	-0.12
212190_at	SERPINE2	-0.01	0.06	0.00	-0.03
218470_at	YARS2	-0.01	-0.19		
207821_s_at	PTK2	-0.01	-0.20	-0.09	-0.12
208961_s_at	KLF6	-0.01	-0.59	0.19	-0.35
204550_x_at	GSTM1	-0.01	0.09		
207223_s_at	ROD1	-0.01	0.44	0.09	0.51
217367_s_at	ZHX3	-0.01	-0.09	-0.02	0.02
221985_at	KLHL24	-0.01	0.04		
204602_at	DKK1	-0.01	0.09		
206704_at	CLCN5	-0.01	0.00		
212071_s_at	SPTBN1	-0.01	-0.40	-0.06	-0.46
217466_x_at	RPS2	-0.01	0.11	-0.10	0.15
213060_s_at	CHI3L2	-0.01	-0.25	0.15	-0.01
212107_s_at	DHX9	-0.01	-0.09	0.11	0.12
211947_s_at	BAT2D1	-0.01	-0.13	-0.14	-0.43
217653_x_at	---	-0.02	0.03	-0.14	-0.05
207375_s_at	IL15RA	-0.02	-0.21		
210933_s_at	FSCN1	-0.02	-0.33	0.12	-0.18
219520_s_at	WWC3	-0.02	0.06		
213043_s_at	MED24	-0.02	-0.03		
219833_s_at	EFHC1	-0.02	0.18		
202779_s_at	LOC731049	-0.02	-0.65	-0.13	-0.75
208042_at	AGGF1	-0.02	0.11	-0.01	0.03
222019_at	PFDN6	-0.02	0.03		
216823_at	RPS3A	-0.02	0.03	-0.02	0.20
203567_s_at	TRIM38	-0.02	0.23		
222029_x_at	PFDN6	-0.02	-0.12		
208942_s_at	SEC62	-0.02	-0.27	-0.12	-0.48
205926_at	IL27RA	-0.02	0.37		
201286_at	SDC1	-0.02	1.06	-0.07	0.87
215273_s_at	TADA3L	-0.02	-0.08	0.04	-0.07
213357_at	GTF2H5	-0.02	-0.04		
204295_at	SURF1	-0.02	0.25	-0.03	0.22
217962_at	NOP10	-0.02	-0.05		
217142_at	---	-0.02	0.00	-0.09	0.14
214421_x_at	CYP2C9	-0.02	-0.04	0.09	-0.03
205048_s_at	PSPH	-0.02	0.29	-0.13	0.14
200802_at	SARS	-0.02	0.44	0.01	0.45
205357_s_at	AGTR1	-0.02	-0.03	-0.06	-0.07
213470_s_at	HNRNPH1	-0.02	0.19		
205195_at	AP1S1	-0.02	0.03	0.08	0.19
218636_s_at	MAN1B1	-0.02	0.00	-0.14	0.01
202485_s_at	MBD2	-0.02	-0.05		
216705_s_at	ADA	-0.02	0.28	-0.04	0.38
219889_at	FRAT1	-0.02	0.15	-0.07	0.10
203258_at	DRAP1	-0.02	0.05		
203814_s_at	NQO2	-0.02	0.24	0.00	0.15
213688_at	CALM1	-0.02	-0.05	-0.04	-0.26
217202_s_at	GLUL	-0.02	-0.16	-0.02	0.21
219025_at	CD248	-0.02	0.06		
211764_s_at	UBE2D1	-0.02	0.08		
208984_x_at	RBM10	-0.02	-0.17	-0.13	-0.35

Table S1

217714_x_at	STMN1	-0.02	0.02	0.19	0.15
205890_s_at	GABBR1	-0.02	0.10	0.17	0.15
204946_s_at	TOP3A	-0.02	-0.06		
208112_x_at	EHD1	-0.02	-0.09	-0.17	-0.13
221881_s_at	CLIC4	-0.02	-0.01		
201102_s_at	PFKL	-0.02	-0.06		
207391_s_at	PIP5K1A	-0.02	0.03		
201437_s_at	EIF4E	-0.02	-0.25		
214449_s_at	RHOQ	-0.02	-0.22	-0.11	-0.45
203578_s_at	SLC7A6	-0.02	0.82	-0.14	0.63
208906_at	BSCL2	-0.02	0.48	-0.04	0.31
208588_at	FKSG2	-0.02	-0.01	-0.05	0.06
204906_at	RPS6KA2	-0.02	-0.08		
222067_x_at	HIST1H2BD	-0.02	0.14		
201032_at	BLCAP	-0.02	0.42		
215684_s_at	ASCC2	-0.02	0.03		
217544_at	LOC729806	-0.02	0.28	-0.13	0.29
209205_s_at	LMO4	-0.02	0.27		
205932_s_at	MSX1	-0.02	-0.11	0.06	0.11
214291_at	LOC729046	-0.02	-0.16	0.03	-0.07
216207_x_at	IGKC	-0.02	0.12		
217704_x_at	SUZ12P	-0.02	-0.08	-0.08	-0.31
203391_at	FKBP2	-0.02	0.01		
214697_s_at	ROD1	-0.02	0.47	0.01	0.56
221871_s_at	TFG	-0.02	0.06		
208650_s_at	CD24	-0.02	-0.28		
206942_s_at	PMCH	-0.02	-0.05		
205128_x_at	PTGS1	-0.02	0.20	-0.01	0.06
205600_x_at	HOXB5	-0.02	0.01	0.01	0.05
219380_x_at	POLH	-0.02	0.72	-0.21	0.70
215175_at	PCNX	-0.02	0.11	-0.11	-0.06
218157_x_at	CDC42SE1	-0.02	0.15		
211138_s_at	KMO	-0.02	-0.17	-0.18	-0.20
218773_s_at	MSRB2	-0.02	0.18		
217363_x_at	RPL22	-0.02	0.09		
218100_s_at	IFT57	-0.02	-0.29		
213551_x_at	PCGF2	-0.02	-0.12	0.06	-0.14
219723_x_at	AGPAT3	-0.02	-0.11	0.09	-0.15
216525_x_at	PMS2L3	-0.02	0.06		
209512_at	HSDL2	-0.02	0.27	-0.09	0.27
202607_at	NDST1	-0.02	-0.04	-0.19	-0.17
213988_s_at	SAT1	-0.02	0.14		
204485_s_at	TOM1L1	-0.02	0.13	-0.02	0.18
216409_at	ACSL6	-0.02	0.00	-0.17	-0.13
220797_at	METT10D	-0.02	-0.09	0.15	0.11
214225_at	PIN4	-0.02	0.00	0.18	0.24
212827_at	IGHM	-0.02	0.07		
216490_x_at	RPLP2P1	-0.02	-0.04	0.04	0.07
218292_s_at	PRKAG2	-0.02	0.10		
221238_at	NSBP1	-0.02	-0.08	0.09	-0.01
206584_at	LY96	-0.02	-0.16		
210379_s_at	TLK1	-0.02	-0.27		
210580_x_at	SULT1A3	-0.02	0.25	-0.11	0.26
201747_s_at	SAFB	-0.02	0.03	-0.11	0.08
211543_s_at	GRK6	-0.02	-0.32	-0.02	-0.31

Table S1

217164_at	---	-0.02	0.20	-0.16	0.02
216322_at	CD58	-0.02	0.01		
204348_s_at	AK3L1	-0.02	-0.38		
214760_at	ZNF337	-0.03	0.52	0.07	0.55
200646_s_at	NUCB1	-0.03	-0.04		
218183_at	C16orf5	-0.03	1.06		
218419_s_at	TMUB2	-0.03	0.14	-0.03	0.11
214848_at	YWHAZ	-0.03	-0.21	0.14	-0.12
202844_s_at	RALBP1	-0.03	0.00		
202660_at	ITPR2	-0.03	0.27	0.00	0.31
211576_s_at	SLC19A1	-0.03	-0.63	-0.13	-0.69
212619_at	TMEM194A	-0.03	0.31	-0.12	0.21
203186_s_at	S100A4	-0.03	-0.10		
214101_s_at	NPEPPS	-0.03	0.00		
218487_at	ALAD	-0.03	-0.03		
203037_s_at	MTSS1	-0.03	-0.21	-0.21	-0.34
217920_at	MAN1A2	-0.03	0.34	-0.12	0.39
211136_s_at	CLPTM1	-0.03	0.10	-0.14	-0.01
219021_at	RNF121	-0.03	0.25	0.03	0.18
201392_s_at	IGF2R	-0.03	-0.06		
202270_at	GBP1	-0.03	-0.51	0.00	-0.39
201183_s_at	CHD4	-0.03	-0.05	-0.18	-0.20
211828_s_at	TNIK	-0.03	-0.39	-0.13	-0.44
208438_s_at	FGR	-0.03	0.44	-0.13	0.36
212637_s_at	WWP1	-0.03	0.49	0.06	0.58
209636_at	NFKB2	-0.03	0.11	0.10	0.25
211578_s_at	RPS6KB1	-0.03	0.14	-0.09	0.22
201678_s_at	C3orf37	-0.03	-0.34	-0.06	-0.28
213836_s_at	WIPI1	-0.03	-0.40	-0.10	-0.43
218110_at	XAB2	-0.03	0.06		
222371_at	PIAS1	-0.03	-0.09	-0.24	-0.33
204577_s_at	CLUAP1	-0.03	0.29	-0.11	0.10
221478_at	BNIP3L	-0.03	-0.47	0.07	0.09
216986_s_at	IRF4	-0.03	-0.50	0.02	-0.42
220121_at	LINS1	-0.03	0.24	-0.04	0.26
204158_s_at	TCIRG1	-0.03	0.00		
203903_s_at	HEPH	-0.03	-0.26		
220287_at	ADAMTS9	-0.03	0.02	-0.14	-0.02
210008_s_at	MRPS12	-0.03	-0.03		
202764_at	STIM1	-0.03	-0.27	-0.10	-0.23
219931_s_at	KLHL12	-0.03	0.29	0.07	0.30
221510_s_at	GLS	-0.03	-0.29		
210904_s_at	IL13RA1	-0.03	0.38	-0.13	0.46
221479_s_at	BNIP3L	-0.03	-0.33		
208325_s_at	AKAP13	-0.03	-0.16	-0.05	-0.21
213300_at	ATG2A	-0.03	0.07	-0.09	-0.09
212477_at	ACAP2	-0.03	0.25	-0.09	0.20
201194_at	SEPW1	-0.03	0.02		
201088_at	KPNA2	-0.03	-0.38	-0.07	-0.53
210803_at	TXNRD2	-0.03	-0.10		
203307_at	GNL1	-0.03	-0.01	0.12	0.03
214908_s_at	TRRAP	-0.03	-0.05		
212507_at	TMEM131	-0.03	0.29	0.07	0.43
213964_x_at	C10orf95	-0.03	-0.23	-0.05	-0.12
210278_s_at	AP4S1	-0.03	0.07		

Table S1

218756_s_at	DHRS11	-0.03	0.12	-0.01	0.16
202748_at	GBP2	-0.03	-0.39		
202937_x_at	RRP7A	-0.03	-0.25	0.08	-0.22
206133_at	XAF1	-0.03	-0.30	-0.01	-0.21
212525_s_at	H2AFX	-0.03	-0.14		
219679_s_at	WAC	-0.03	-0.01		
212745_s_at	BBS4	-0.03	0.71		
220757_s_at	UBXN6	-0.03	0.00	-0.06	-0.05
201564_s_at	FSCN1	-0.03	-0.34	-0.16	-0.49
202620_s_at	PLOD2	-0.03	-0.31	-0.04	-0.24
202007_at	NID1	-0.03	-0.08	-0.01	0.00
209811_at	CASP2	-0.03	-0.05	-0.15	-0.18
216699_s_at	KLK1	-0.03	0.20	-0.06	0.21
220375_s_at	H2AFY	-0.03	0.00	-0.15	-0.09
200859_x_at	FLNA	-0.03	-0.06		
215440_s_at	BEX4	-0.03	0.12		
212574_x_at	C19orf6	-0.03	0.03		
211417_x_at	GGT1	-0.03	0.41	0.02	0.32
212310_at	MIA3	-0.03	-0.06		
210058_at	MAPK13	-0.03	0.24	0.04	0.25
211536_x_at	MAP3K7	-0.03	0.13	0.02	0.22
218662_s_at	NCAPG	-0.04	-0.21	-0.14	-0.38
44040_at	FBXO41	-0.04	-0.37		
214441_at	STX6	-0.04	0.56	0.14	0.72
213676_at	TMEM151B	-0.04	-0.01		
203299_s_at	AP1S2	-0.04	-0.22	-0.01	-0.11
205419_at	GPR183	-0.04	-0.35	0.26	-0.33
34449_at	CASP2	-0.04	0.04	-0.17	0.08
211637_x_at	IGH@	-0.04	0.69		
219869_s_at	SLC39A8	-0.04	-0.28	0.08	-0.09
217800_s_at	NDFIP1	-0.04	0.28	0.05	0.15
206929_s_at	NFIC	-0.04	-0.14	-0.08	-0.11
208876_s_at	PAK2	-0.04	-0.01		
209758_s_at	MFAP5	-0.04	0.05	-0.01	0.11
211090_s_at	PRPF4B	-0.04	-0.11	0.05	0.03
215436_at	HSDL2	-0.04	0.15		
213590_at	LOC10013377	-0.04	0.03	0.00	0.10
216100_s_at	TOR1AIP1	-0.04	-0.26	0.00	-0.14
203178_at	GATM	-0.04	-0.34		
204116_at	IL2RG	-0.04	-0.25		
209917_s_at	TP53TG1	-0.04	0.96	-0.03	1.07
205291_at	IL2RB	-0.04	-0.50	-0.14	-0.63
210461_s_at	ABLIM1	-0.04	-0.10	0.14	-0.16
210679_x_at	BCL7A	-0.04	0.00	-0.15	0.04
213936_x_at	SFTPB	-0.04	-0.01	0.08	0.00
215063_x_at	LRRC40	-0.04	-0.10	-0.12	-0.34
41577_at	PPP1R16B	-0.04	-0.45	-0.10	-0.48
219161_s_at	CKLF	-0.04	-0.26		
210981_s_at	GRK6	-0.04	-0.28	-0.13	-0.39
AFFX-HUMISGF3	STAT1	-0.04	-0.30		
212198_s_at	TM9SF4	-0.04	-0.09	-0.24	-0.10
214752_x_at	FLNA	-0.04	-0.04		
217984_at	RNASET2	-0.04	-0.89	-0.01	-0.59
204156_at	KIAA0999	-0.04	-0.05	-0.27	-0.18
213256_at	40605	-0.04	-0.43		

Table S1

219028_at	HIPK2	-0.04	-0.05	0.02	-0.10
207908_at	KRT2	-0.04	0.07	0.00	0.10
216540_at	TRD@	-0.04	-0.05	-0.07	0.05
211077_s_at	TLK1	-0.04	-0.25	-0.01	-0.17
219854_at	ZNF14	-0.04	0.23		
212638_s_at	WWP1	-0.04	0.49	0.01	0.54
204061_at	PRKX	-0.04	0.56	-0.14	0.57
215718_s_at	PHF3	-0.04	0.04		
222344_at	C5orf13	-0.04	-0.39	-0.04	-0.31
202425_x_at	PPP3CA	-0.04	-0.30	0.04	-0.25
215536_at	HLA-DQB2	-0.04	-0.08	-0.04	-0.10
219352_at	HERC6	-0.04	-0.38	0.06	-0.49
217107_at	RPS4X	-0.04	0.01	0.11	0.20
213746_s_at	FLNA	-0.04	-0.05		
218840_s_at	NADSYN1	-0.04	0.36	-0.11	0.39
204783_at	MLF1	-0.04	0.04	-0.07	0.01
208913_at	GGA2	-0.04	-0.40	-0.10	-0.45
210749_x_at	DDR1	-0.04	0.54	-0.07	0.49
208578_at	SCN10A	-0.04	0.04		
204276_at	TK2	-0.04	-0.02	-0.14	-0.22
214847_s_at	GPSM3	-0.04	-0.11	-0.13	-0.08
206038_s_at	NR2C2	-0.04	0.11		
214329_x_at	TNFSF10	-0.04	0.00	0.03	-0.33
213109_at	TNIF	-0.04	-0.30	-0.12	-0.36
201627_s_at	INSIG1	-0.04	-0.65		
209754_s_at	TMPO	-0.04	-0.27	-0.04	-0.28
208185_x_at	---	-0.04	0.08	-0.19	0.06
207951_at	CSN2	-0.04	-0.12		
205991_s_at	PRRX1	-0.04	-0.11	0.03	-0.14
210148_at	HIPK3	-0.04	0.28	0.04	0.38
218870_at	ARHGAP15	-0.04	-0.56		
221773_at	ELK3	-0.04	0.15	-0.09	0.18
205796_at	TCP11L1	-0.04	0.57	-0.06	0.52
212750_at	PPP1R16B	-0.04	-0.30		
205546_s_at	TYK2	-0.04	0.19		
217921_at	MAN1A2	-0.04	0.35		
204909_at	DDX6	-0.04	0.13	-0.18	-0.05
202663_at	WIPF1	-0.04	-0.26		
206184_at	CRKL	-0.04	0.08	-0.04	0.08
222024_s_at	AKAP13	-0.04	-0.24	-0.17	-0.52
208657_s_at	40795	-0.04	-0.37	-0.22	-0.42
206296_x_at	MAP4K1	-0.04	-0.29	-0.10	-0.36
214706_at	ZNF200	-0.04	0.26	-0.07	0.28
213561_at	ASF1A	-0.04	-0.03		
212372_at	MYH10	-0.04	0.65	-0.16	0.58
219376_at	ZNF322B	-0.04	0.55	-0.12	0.48
202457_s_at	PPP3CA	-0.04	-0.32		
210042_s_at	CTSZ	-0.04	-0.19		
211081_s_at	MAP4K5	-0.04	0.05	-0.19	-0.07
208476_s_at	FRMD4A	-0.04	0.23		
220720_x_at	FAM128B	-0.04	-0.07	-0.04	-0.08
221550_at	COX15	-0.05	0.33		
220167_s_at	LOC729355	-0.05	-0.05		
203610_s_at	TRIM38	-0.05	0.34		
201308_s_at	40797	-0.05	-0.07	0.00	0.04

Table S1

209539_at	ARHGEF6	-0.05	-0.15		
218591_s_at	NOL10	-0.05	-0.12	0.00	-0.12
207348_s_at	LIG3	-0.05	-0.17	0.11	0.05
221924_at	ZMIZ2	-0.05	0.17	-0.06	0.22
215404_x_at	FGFR1	-0.05	0.02	-0.09	-0.03
202269_x_at	GBP1	-0.05	-0.48	-0.11	-0.42
210839_s_at	ENPP2	-0.05	-0.29	0.10	-0.04
564_at	GNA11	-0.05	0.38		
202008_s_at	NID1	-0.05	-0.09	-0.18	-0.13
212233_at	MAP1B	-0.05	-0.04	-0.23	-0.29
220500_s_at	RABL2A	-0.05	0.20	-0.02	0.08
215071_s_at	HIST1H2AC	-0.05	-0.12	-0.18	-0.81
209947_at	UBAP2L	-0.05	-0.17		
34206_at	ARAP1	-0.05	0.35	-0.15	0.26
205847_at	PRSS22	-0.05	0.06		
201487_at	CTSC	-0.05	-0.36	-0.09	-0.45
209131_s_at	SNAP23	-0.05	-0.27	0.06	0.03
208018_s_at	HCK	-0.05	-0.21		
206507_at	ZSCAN12	-0.05	0.15		
215095_at	ESD	-0.05	-0.03	0.07	0.01
204317_at	GTSE1	-0.05	-0.08	-0.12	-0.35
205786_s_at	ITGAM	-0.05	0.48		
212720_at	PAPOLA	-0.05	-0.18		
218693_at	TSPAN15	-0.05	-0.18	0.10	-0.07
219546_at	BMP2K	-0.05	0.08	-0.05	-0.19
201775_s_at	KIAA0494	-0.05	0.00		
208368_s_at	BRCA2	-0.05	0.00	-0.23	-0.22
220935_s_at	CDK5RAP2	-0.05	-0.06	-0.19	-0.32
208879_x_at	PRPF6	-0.05	-0.13	0.05	0.04
202786_at	STK39	-0.05	0.25		
210647_x_at	PLA2G6	-0.05	0.02	-0.17	-0.11
215150_at	YOD1	-0.05	0.07		
201797_s_at	VAR5	-0.05	-0.21	-0.13	-0.30
215121_x_at	IGL@	-0.05	0.11		
215786_at	RSF1	-0.05	0.06	-0.32	-0.23
211276_at	TCEAL2	-0.05	-0.24		
208992_s_at	STAT3	-0.05	0.09		
218326_s_at	LGR4	-0.05	0.34	-0.09	0.36
221602_s_at	FAIM3	-0.05	0.01		
220285_at	FAM108B1	-0.05	0.15		
203097_s_at	RAPGEF2	-0.05	-0.56	0.06	-0.61
208873_s_at	REEP5	-0.05	-0.37	0.01	-0.45
201887_at	IL13RA1	-0.05	0.23	0.08	0.19
203060_s_at	PAPSS2	-0.05	0.18	-0.05	0.22
212702_s_at	BICD2	-0.05	0.31	-0.16	0.35
52169_at	STRADA	-0.05	0.35		
212949_at	NCAPH	-0.05	-0.28	-0.15	-0.39
212059_s_at	TRPC4AP	-0.05	-0.10		
211074_at	FOLR1	-0.05	-0.20		
202081_at	IER2	-0.05	-0.65	0.17	-0.56
210376_x_at	ELK1	-0.05	-0.29	-0.06	-0.30
220957_at	CTAGE1	-0.05	-0.01	0.05	-0.01
206920_s_at	GLE1	-0.05	0.08		
221554_at	STRADA	-0.05	0.32		
215127_s_at	RBMS1	-0.05	-0.28	0.05	-0.21

Table S1

202806_at	<i>DBN1</i>	-0.05	-0.39	-0.03	-0.33
201968_s_at	<i>PGM1</i>	-0.05	-0.27		
200862_at	<i>DHCR24</i>	-0.05	-0.32		
211973_at	<i>NUDT3</i>	-0.05	-0.02		
208039_at	<i>SLC9A2</i>	-0.05	-0.11	-0.18	-0.31
202970_at	<i>DYRK2</i>	-0.05	-0.33	-0.22	-0.25
202674_s_at	<i>LMO7</i>	-0.05	0.28	0.12	0.30
212552_at	<i>HPCAL1</i>	-0.05	-0.37		
216606_x_at	<i>LYPLA2P1</i>	-0.05	0.10		
37577_at	<i>ARHGAP19</i>	-0.05	-0.42	-0.08	-0.46
214693_x_at	<i>NBPF10</i>	-0.05	0.22	-0.16	0.27
209766_at	<i>PRDX3</i>	-0.05	-0.04	-0.02	0.11
214218_s_at	<i>XIST</i>	-0.05	-0.02	0.01	-0.14
216012_at	---	-0.05	-0.09	-0.02	-0.19
200841_s_at	<i>EPRS</i>	-0.05	-0.11	0.04	-0.03
221038_at	<i>UTP15</i>	-0.05	-0.08	-0.14	-0.22
219189_at	<i>FBXL6</i>	-0.05	0.16	0.08	0.30
208858_s_at	<i>FAM62A</i>	-0.05	-0.09	-0.14	-0.13
213274_s_at	<i>CTSB</i>	-0.05	-0.19	0.01	-0.19
214197_s_at	<i>SETDB1</i>	-0.05	-0.04	-0.02	0.04
204735_at	<i>PDE4A</i>	-0.05	-0.33	-0.14	-0.32
201578_at	<i>PODXL</i>	-0.05	1.50		
209494_s_at	<i>PATZ1</i>	-0.05	-0.25		
205835_s_at	<i>YTHDC2</i>	-0.05	0.06	-0.20	0.09
210966_x_at	<i>LARP1</i>	-0.05	-0.10	-0.16	-0.32
213446_s_at	<i>IQGAP1</i>	-0.05	0.12		
211430_s_at	<i>IGH@</i>	-0.05	-0.12		
217289_s_at	<i>SLC37A4</i>	-0.05	0.10	0.20	0.28
221473_x_at	<i>SERINC3</i>	-0.05	0.12	0.02	0.16
206134_at	<i>ADAMDEC1</i>	-0.05	-0.27	0.13	-0.13
210463_x_at	<i>TRMT1</i>	-0.05	-0.20		
216159_s_at	---	-0.05	-0.02	-0.07	0.00
206931_at	<i>ZNF141</i>	-0.05	0.08		
209392_at	<i>ENPP2</i>	-0.05	-0.39	0.14	-0.16
215997_s_at	<i>CUL4B</i>	-0.05	-0.15		
210556_at	<i>NFATC3</i>	-0.05	0.01	-0.29	-0.17
216071_x_at	<i>MED12</i>	-0.05	-0.11		
204342_at	<i>SLC25A24</i>	-0.05	-0.22		
200697_at	<i>HK1</i>	-0.05	-0.31		
209544_at	<i>RIPK2</i>	-0.05	-0.22	-0.05	-0.27
214177_s_at	<i>PBXIP1</i>	-0.06	-0.27	-0.13	-0.31
217619_x_at	---	-0.06	0.04	-0.08	-0.03
216809_at	<i>CYLC1</i>	-0.06	-0.07	-0.02	-0.15
210883_x_at	<i>EFNB3</i>	-0.06	0.03	0.06	0.17
220079_s_at	<i>USP48</i>	-0.06	-0.27	0.03	-0.36
205049_s_at	<i>CD79A</i>	-0.06	-0.23		
217234_s_at	<i>EZR</i>	-0.06	-0.17	-0.05	-0.17
204251_s_at	<i>CEP164</i>	-0.06	0.16		
220358_at	<i>BATF3</i>	-0.06	-0.32	-0.09	-0.49
218962_s_at	<i>TMEM168</i>	-0.06	1.01	-0.03	1.03
218581_at	<i>ABHD4</i>	-0.06	0.53		
219392_x_at	<i>PRR11</i>	-0.06	-0.27	-0.10	-0.39
220580_at	<i>BICC1</i>	-0.06	-0.01		
209911_x_at	<i>HIST1H2BD</i>	-0.06	0.10	-0.03	-0.07
216834_at	<i>RGS1</i>	-0.06	-0.49	0.11	-0.33

Table S1

214902_x_at	FLJ42393	-0.06	-0.02	-0.05	-0.01
221864_at	ORA13	-0.06	0.89	0.05	1.07
217838_s_at	EVL	-0.06	-0.33	-0.20	-0.43
209708_at	MOXD1	-0.06	-0.18		
218592_s_at	CECR5	-0.06	-0.40		
214337_at	COPA	-0.06	0.06	0.08	0.00
207568_at	CHRNA6	-0.06	0.30	-0.01	0.28
218355_at	KIF4A	-0.06	-0.21	-0.12	-0.44
211762_s_at	KPNA2	-0.06	-0.52	-0.09	-0.63
204034_at	ETHE1	-0.06	0.22		
215109_at	KIAA0492	-0.06	-0.09	-0.08	-0.10
215333_x_at	GSTM1	-0.06	0.02		
204646_at	DPYD	-0.06	-0.24	-0.07	-0.27
212274_at	LPIN1	-0.06	-0.31		
39402_at	IL1B	-0.06	0.07		
221651_x_at	IGK@	-0.06	0.09		
207357_s_at	GALNT10	-0.06	0.21		
205716_at	SLC25A40	-0.06	0.15	-0.07	0.12
214339_s_at	MAP4K1	-0.06	-0.30	-0.12	-0.46
209129_at	TRIP6	-0.06	0.40		
217586_x_at	ATXN2	-0.06	0.03	0.01	-0.03
202472_at	MPI	-0.06	-0.29	-0.15	-0.05
201151_s_at	MBNL1	-0.06	-0.15		
220058_at	C17orf39	-0.06	0.07		
203014_x_at	SGSM3	-0.06	-0.15		
209019_s_at	PINK1	-0.06	0.13	-0.19	-0.09
221222_s_at	C1orf56	-0.06	0.39	0.02	0.49
204547_at	RAB40B	-0.06	-0.08	-0.16	-0.29
209011_at	TRIO	-0.06	-0.07	-0.18	-0.03
214615_at	P2RY10	-0.06	-0.21		
208772_at	ANKHD1	-0.06	0.17		
212726_at	PHF2	-0.06	0.24	-0.07	0.17
212170_at	RBM12	-0.06	-0.41	0.02	-0.56
220565_at	CCR10	-0.06	-0.23		
217637_at	---	-0.06	-0.06	-0.08	0.06
203777_s_at	RPS6KB2	-0.06	0.05		
214084_x_at	LOC648998	-0.06	-0.26		
201613_s_at	AP1G2	-0.06	0.21	-0.20	0.07
215376_at	---	-0.06	0.24	-0.16	0.16
201729_s_at	KIAA0100	-0.06	-0.36	-0.14	-0.36
212313_at	CHMP7	-0.06	-0.03	-0.16	-0.19
209969_s_at	STAT1	-0.06	-0.34		
201626_at	INSIG1	-0.06	-0.72		
216532_x_at	LOC728344	-0.06	-0.22	-0.01	-0.12
202840_at	TAF15	-0.06	-0.04		
212359_s_at	KIAA0913	-0.06	0.31		
210512_s_at	VEGFA	-0.06	0.05	0.31	0.34
210705_s_at	TRIM5	-0.06	-0.26		
220931_at	MGC5590	-0.06	0.01		
221738_at	KIAA1219	-0.06	0.47	-0.10	0.45
207386_at	CYP7B1	-0.06	-0.30	0.02	-0.27
221974_at	IPW	-0.06	0.02	-0.04	-0.03
204210_s_at	PCYT1A	-0.06	0.42	-0.24	0.27
208935_s_at	LGALS8	-0.06	-0.29	-0.07	-0.06
203688_at	PKD2	-0.06	0.39		

Table S1

203458_at	SPR	-0.06	0.19		
37652_at	CABIN1	-0.06	-0.27		
217859_s_at	SLC39A9	-0.06	0.29	0.01	0.44
202055_at	KPNA1	-0.06	0.49		
217211_at	ACTBP9	-0.06	-0.20	-0.08	-0.02
202731_at	PDCD4	-0.06	-0.31		
203317_at	PSD4	-0.06	-0.34		
212567_s_at	MAP4	-0.06	-0.06	0.02	0.21
200648_s_at	GLUL	-0.06	-0.27	-0.04	0.19
217393_x_at	UBE2NL	-0.06	-0.14	0.02	-0.06
218278_at	LOC649169	-0.06	-0.08		
206440_at	LIN7A	-0.06	0.02	0.08	0.08
204347_at	AK3L1	-0.06	-0.53		
207234_at	RFX3	-0.06	-0.13	0.08	0.02
208353_x_at	ANK1	-0.06	0.44	-0.29	0.25
210587_at	INHBE	-0.06	0.44		
208249_s_at	TGDS	-0.06	0.42	0.00	0.41
40148_at	APBB2	-0.06	0.06	-0.27	-0.16
219038_at	MORC4	-0.07	0.24		
201971_s_at	ATP6V1A	-0.07	0.08	-0.04	0.23
202551_s_at	CRIM1	-0.07	-0.44		
221666_s_at	PYCARD	-0.07	0.09	-0.16	-0.09
204014_at	DUSP4	-0.07	-0.43		
201072_s_at	SMARCC1	-0.07	-0.15		
214544_s_at	SNAP23	-0.07	-0.20	-0.03	0.00
200747_s_at	NUMA1	-0.07	-0.20	-0.21	-0.36
203592_s_at	FSTL3	-0.07	-0.19		
222380_s_at	PDCD6	-0.07	0.14	0.16	0.13
210130_s_at	TM7SF2	-0.07	0.44	-0.11	0.50
202318_s_at	SENP6	-0.07	0.37		
215385_at	FTO	-0.07	0.23	-0.17	-0.19
37512_at	HSD17B6	-0.07	0.02		
209635_at	AP1S1	-0.07	0.04	-0.19	-0.08
221735_at	WDR48	-0.07	0.07		
209483_s_at	NSL1	-0.07	0.29	-0.16	0.31
204554_at	PPP1R3D	-0.07	0.26		
204060_s_at	PRKX	-0.07	0.44	-0.18	0.45
222038_s_at	UTP18	-0.07	-0.34	0.02	-0.06
210822_at	RPL13P5	-0.07	0.27		
212020_s_at	MKI67	-0.07	-0.26	-0.17	-0.40
216607_s_at	CYP51A1	-0.07	-0.52	0.06	0.03
202705_at	CCNB2	-0.07	-0.44	-0.08	-0.64
219709_x_at	FAM173A	-0.07	-0.14		
219979_s_at	C11orf73	-0.07	-0.03		
214731_at	CTTNBP2NL	-0.07	-0.14	-0.17	-0.15
208934_s_at	LGALS8	-0.07	-0.32		
218812_s_at	Orai2	-0.07	-0.24	-0.16	-0.24
203096_s_at	RAPGEF2	-0.07	-0.29	-0.05	-0.46
210719_s_at	HMG20B	-0.07	-0.21		
202909_at	EPM2AIP1	-0.07	0.52		
214023_x_at	TUBB2B	-0.07	-0.33	0.04	-0.19
203379_at	RPS6KA1	-0.07	0.54	-0.21	0.36
219512_at	DSN1	-0.07	0.25		
218653_at	SLC25A15	-0.07	0.32	-0.10	0.26
211255_x_at	DEDD	-0.07	0.04	-0.14	0.04

Table S1

215467_x_at	LOC647070	-0.07	0.06	-0.01	0.06
214366_s_at	ALOX5	-0.07	0.38	0.07	0.31
210255_at	RAD51L1	-0.07	-0.36	-0.10	-0.38
215529_x_at	DIP2A	-0.07	0.02	-0.14	-0.02
222264_at	HNRNPUL2	-0.07	-0.18	-0.05	-0.21
201382_at	CACYBP	-0.07	-0.18	0.16	-0.12
215483_at	AKAP9	-0.07	0.10	-0.09	-0.15
211445_x_at	NACAP1	-0.07	0.01	-0.04	-0.11
220232_at	SCD5	-0.07	0.18	-0.21	0.08
208862_s_at	CTNND1	-0.07	0.54	-0.11	0.62
214923_at	ATP6V1D	-0.07	-0.05	-0.12	-0.14
81811_at	---	-0.07	0.07		
221643_s_at	RERE	-0.07	-0.15	0.02	-0.20
203607_at	INPP5F	-0.07	-0.36	-0.01	-0.39
219602_s_at	FAM38B	-0.07	-0.36	-0.24	-0.55
205115_s_at	RBM19	-0.07	0.18	-0.08	0.11
216006_at	RAPGEFL1	-0.07	0.09	0.04	0.03
212630_at	EXOC3	-0.07	-0.02		
202274_at	ACTG2	-0.07	-0.08	0.03	-0.02
219259_at	SEMA4A	-0.07	-0.08		
205497_at	ZNF175	-0.07	0.33	-0.22	-0.02
213974_at	ADAMTSL3	-0.07	0.09	-0.12	0.04
204857_at	MAD1L1	-0.07	0.78	-0.17	0.67
202275_at	G6PD	-0.07	0.03		
206759_at	FCER2	-0.07	-0.25		
213725_x_at	XYLT1	-0.07	0.13	-0.20	0.07
266_s_at	CD24	-0.07	-0.32	-0.06	-0.30
214132_at	ATP5C1	-0.07	0.02	0.15	0.30
201531_at	ZFP36	-0.07	-0.72	0.19	-0.53
214219_x_at	MAP4K1	-0.07	-0.30	-0.11	-0.39
217427_s_at	HIRA	-0.07	-0.03		
53987_at	RANBP10	-0.07	0.40	-0.17	0.27
212873_at	HMHA1	-0.07	-0.39	-0.27	-0.32
215549_x_at	CTAGE4	-0.07	-0.09	-0.05	-0.14
202145_at	LY6E	-0.07	-0.28	0.01	-0.20
205461_at	RAB35	-0.07	-0.13		
218075_at	AAAS	-0.07	-0.05		
212512_s_at	CARM1	-0.07	-0.33	-0.14	-0.40
216368_s_at	COL4A3	-0.07	0.08		
221207_s_at	NBEA	-0.07	-0.51		
220586_at	CHD9	-0.07	0.09	-0.43	-0.21
203874_s_at	SMARCA1	-0.07	0.23	0.09	0.05
220387_s_at	HHLA3	-0.07	0.01	-0.17	-0.03
220623_s_at	TSGA10	-0.07	0.50		
56256_at	SIDT2	-0.07	0.15	-0.15	0.07
54051_at	PKNOX1	-0.07	-0.05	-0.09	-0.16
219307_at	PDSS2	-0.07	-0.21	-0.06	-0.23
65493_at	HEATR6	-0.07	-0.19		
203442_x_at	EML3	-0.07	-0.16		
220050_at	C9orf9	-0.07	0.20		
211622_s_at	ARF3	-0.07	0.06		
202058_s_at	KPNA1	-0.07	0.34		
209575_at	IL10RB	-0.07	0.32	-0.13	0.31
1007_s_at	DDR1	-0.07	0.67	-0.07	0.53
212144_at	UNC84B	-0.07	-0.68	-0.27	-0.85

Table S1

211584_s_at	NPAT	-0.07	0.03		
203027_s_at	MVD	-0.07	-0.37		
205349_at	GNA15	-0.07	0.43	-0.07	0.57
219235_s_at	PHACTR4	-0.07	0.32		
221626_at	ZNF506	-0.07	0.27	-0.01	0.31
204432_at	SOX12	-0.07	-0.13	-0.01	-0.19
202213_s_at	CUL4B	-0.07	-0.20		
202011_at	TJP1	-0.07	0.14		
205692_s_at	CD38	-0.07	-0.29	0.12	-0.15
213631_x_at	DHODH	-0.07	-0.02		
203196_at	ABCC4	-0.07	-0.30	-0.02	-0.21
218164_at	SPATA20	-0.07	0.06	-0.13	0.03
213245_at	ADCY1	-0.07	1.11	-0.15	0.80
212864_at	CDS2	-0.07	0.35	0.00	0.58
207245_at	UGT2B17	-0.07	0.44	-0.33	0.22
200974_at	ACTA2	-0.07	0.59	-0.11	0.71
221286_s_at	MGC29506	-0.07	-0.41	-0.01	-0.41
214136_at	NUDT13	-0.07	0.12	0.05	0.18
209674_at	CRY1	-0.07	0.07	-0.08	-0.12
208779_x_at	DDR1	-0.08	0.79	-0.11	0.50
37549_g_at	BBS9	-0.08	-0.30	0.02	-0.19
212348_s_at	KDM1	-0.08	-0.24		
214599_at	IVL	-0.08	0.25	-0.15	0.04
213582_at	ATP11A	-0.08	-0.03		
219142_at	RASL11B	-0.08	-0.13	-0.02	-0.13
209344_at	TPM4	-0.08	-0.40	-0.13	-0.36
209464_at	AURKB	-0.08	-0.38	-0.21	-0.49
204890_s_at	LCK	-0.08	-0.38	-0.04	-0.19
215029_at	C1orf108	-0.08	-0.17	-0.02	-0.16
218723_s_at	C13orf15	-0.08	-0.68	-0.19	-0.51
214452_at	BCAT1	-0.08	-0.34	-0.05	-0.19
206412_at	FER	-0.08	0.00	0.09	0.02
219151_s_at	RABL2A	-0.08	0.33		
211930_at	HNRNPA3	-0.08	-0.19	0.13	-0.06
209231_s_at	DCTN5	-0.08	0.42	-0.13	0.39
214212_x_at	FERMT2	-0.08	0.04		
214439_x_at	BIN1	-0.08	-0.21		
201234_at	ILK	-0.08	-0.21		
205191_at	RP2	-0.08	-0.02		
209519_at	NCBP1	-0.08	-0.25	-0.13	-0.45
201039_s_at	RAD23A	-0.08	-0.29		
214246_x_at	MINK1	-0.08	-0.14		
207319_s_at	CDC2L5	-0.08	0.03		
204891_s_at	LCK	-0.08	-0.37	-0.11	-0.38
218555_at	ANAPC2	-0.08	0.16		
213135_at	TIAM1	-0.08	0.14		
203221_at	TLE1	-0.08	0.06		
216218_s_at	PLCL2	-0.08	0.51	-0.11	0.57
218218_at	APPL2	-0.08	0.11	0.00	0.06
207871_s_at	ST7	-0.08	-0.38		
213017_at	ABHD3	-0.08	0.28	0.07	0.44
212360_at	AMPD2	-0.08	-0.32		
201737_s_at	40608	-0.08	0.06	-0.10	-0.10
213930_at	---	-0.08	-0.04		
212318_at	TNPO3	-0.08	-0.02		

Table S1

212335_at	GNS	-0.08	0.33		
222370_x_at	LOC388906	-0.08	-0.07	0.12	0.11
204883_s_at	HUS1	-0.08	-0.30		
222073_at	COL4A3	-0.08	-0.18	-0.04	-0.14
202996_at	POLD4	-0.08	-0.16		
218748_s_at	EXOC5	-0.08	-0.06	0.01	0.17
202845_s_at	RALBP1	-0.08	-0.07		
200940_s_at	RERE	-0.08	-0.36	-0.15	-0.48
38964_r_at	WAS	-0.08	-0.12		
212954_at	DYRK4	-0.08	-0.11	-0.06	-0.14
222216_s_at	MRPL17	-0.08	-0.34	-0.11	-0.41
217721_at	40793	-0.08	-0.24	-0.25	-0.47
205415_s_at	ATXN3	-0.08	0.22		
204562_at	IRF4	-0.08	-0.43	-0.28	-0.57
217989_at	HSD17B11	-0.08	-0.29		
200672_x_at	SPTBN1	-0.08	-0.36	-0.05	-0.32
219326_s_at	B3GNT2	-0.08	-0.34	0.00	-0.37
202182_at	KAT2A	-0.08	-0.07	-0.07	-0.12
204133_at	RRP9	-0.08	-0.25	-0.06	-0.21
212563_at	BOP1	-0.08	-0.29		
219843_at	IPP	-0.08	0.44	-0.15	0.22
213475_s_at	ITGAL	-0.08	-0.29	-0.11	-0.34
213415_at	CLIC2	-0.08	0.10		
203474_at	IQGAP2	-0.08	-0.41	0.01	-0.37
201662_s_at	ACSL3	-0.08	-0.45		
210034_s_at	RPL5	-0.08	-0.42	0.01	-0.25
212902_at	SEC24A	-0.08	-0.26		
218969_at	Magmas	-0.08	-0.14		
212311_at	KIAA0746	-0.08	-0.27	-0.09	-0.36
219959_at	MOCOS	-0.08	0.17		
202793_at	LPCAT3	-0.08	0.26	-0.14	0.35
206303_s_at	NUDT4	-0.08	-0.15	0.17	0.02
219691_at	SAMD9	-0.08	-0.32	-0.08	-0.36
218609_s_at	NUDT2	-0.08	0.05		
210622_x_at	CDK10	-0.08	-0.14	-0.14	-0.22
204168_at	MGST2	-0.08	0.11		
203969_at	PEX3	-0.08	-0.14		
204564_at	PCGF3	-0.08	0.27	-0.16	0.33
212173_at	AK2	-0.08	-0.31	-0.17	-0.34
203728_at	BAK1	-0.08	0.41		
216387_x_at	LOC10013023	-0.08	-0.04	-0.15	0.08
201932_at	LRRC41	-0.08	-0.39	-0.14	-0.32
212119_at	RHOQ	-0.09	-0.26	-0.23	-0.41
218376_s_at	MICAL1	-0.09	-0.23		
209032_s_at	CADM1	-0.09	0.22	0.07	0.17
202979_s_at	CREBZF	-0.09	-0.06		
222062_at	IL27RA	-0.09	0.52	-0.13	0.56
209883_at	GLT25D2	-0.09	-0.04	-0.13	-0.15
213772_s_at	GGA2	-0.09	-0.59	-0.12	-0.48
209153_s_at	TCF3	-0.09	-0.47	-0.21	-0.45
203894_at	TUBG2	-0.09	-0.04		
213703_at	LOC150759	-0.09	0.09	-0.30	0.01
215123_at	LOC642778	-0.09	-0.17	-0.30	-0.37
221002_s_at	TSPAN14	-0.09	0.38	-0.06	0.39
211300_s_at	TP53	-0.09	-0.10		

Table S1

212323_s_at	VPS13D	-0.09	0.01		
220250_at	ZNF286A	-0.09	0.15	-0.02	0.27
202218_s_at	FADS2	-0.09	-0.43	-0.08	-0.17
210776_x_at	TCF3	-0.09	-0.17	-0.17	-0.38
211996_s_at	LOC10013224	-0.09	-0.16	-0.18	-0.17
210284_s_at	MAP3K7IP2	-0.09	0.26		
212588_at	PTPRC	-0.09	-0.64	-0.06	-0.55
202528_at	GALE	-0.09	-0.18		
216574_s_at	hCG_2024410	-0.09	-0.04		
211798_x_at	IGLJ3	-0.09	0.05	0.15	0.19
222335_at	---	-0.09	0.31	-0.06	0.24
217477_at	PIP5K1B	-0.09	0.17	-0.27	0.02
216247_at	RPS20	-0.09	0.33	-0.21	0.20
204955_at	SRPX	-0.09	0.28		
221823_at	C5orf30	-0.09	-0.58	-0.02	-0.52
203506_s_at	MED12	-0.09	-0.28	-0.17	-0.53
209916_at	DHTKD1	-0.09	0.24	-0.22	0.12
211240_x_at	CTNND1	-0.09	0.50	-0.15	0.49
211881_x_at	IGLJ3	-0.09	-0.15	0.00	-0.12
213122_at	TSPYL5	-0.09	-0.16	0.03	-0.14
212812_at	---	-0.09	0.51	-0.14	0.45
218694_at	ARMCX1	-0.09	-0.13	-0.21	0.01
204025_s_at	PDCD2	-0.09	-0.14		
216733_s_at	GATM	-0.09	-0.34		
207665_at	ADAM21	-0.09	0.00	-0.02	-0.21
202394_s_at	ABCF3	-0.09	0.17	-0.16	0.09
213420_at	DHX57	-0.09	0.00	-0.21	-0.30
205667_at	WRN	-0.09	0.02	-0.09	0.06
202083_s_at	SEC14L1	-0.09	-0.38		
202022_at	ALDOC	-0.09	-0.27		
212784_at	CIC	-0.09	0.37	-0.20	0.26
203293_s_at	LMAN1	-0.09	-0.11	0.11	0.19
221825_at	ANGEL2	-0.09	0.37		
210224_at	MR1	-0.09	0.69	-0.05	0.54
203860_at	PCCA	-0.09	-0.38		
204385_at	KYNU	-0.09	-0.31		
222034_at	GNB2L1	-0.09	-0.35		
201853_s_at	CDC25B	-0.09	-0.40	-0.17	-0.63
218628_at	CCDC53	-0.09	-0.16		
206472_s_at	TLE3	-0.09	-0.54	-0.04	-0.57
207522_s_at	ATP2A3	-0.09	-0.64	-0.30	-0.65
209148_at	RXRΒ	-0.09	0.09	-0.27	-0.17
214715_x_at	ZNF160	-0.09	-0.05	-0.08	-0.07
204408_at	APEX2	-0.09	0.05		
215220_s_at	TPR	-0.09	0.03	-0.17	-0.10
219355_at	CXorf57	-0.09	-0.28		
212417_at	SCAMP1	-0.09	-0.29		
213067_at	MYH10	-0.09	0.53	-0.13	0.57
209176_at	SEC23IP	-0.09	-0.20		
210144_at	TBC1D22A	-0.09	-0.43		
214494_s_at	SPG7	-0.09	-0.02	-0.25	-0.09
201711_x_at	RANBP2	-0.09	0.07		
211715_s_at	BDH1	-0.09	-0.33	-0.05	-0.32
209989_at	ZNF268	-0.09	0.32	-0.39	0.04
218308_at	TACC3	-0.09	-0.40	-0.25	-0.78

Table S1

215810_x_at	DST	-0.09	-0.10	-0.19	-0.19
206608_s_at	RPGRIP1	-0.09	-0.04		
201692_at	SIGMAR1	-0.09	-0.20	-0.03	-0.35
202803_s_at	ITGB2	-0.09	-0.32		
212573_at	ENDOD1	-0.09	-0.51	-0.08	-0.58
221156_x_at	CCPG1	-0.09	0.18	-0.09	-0.03
202662_s_at	ITPR2	-0.09	0.30	-0.07	0.34
201855_s_at	ATMIN	-0.09	0.22		
222305_at	HK2	-0.09	-0.16	-0.19	-0.35
220059_at	STAP1	-0.09	-0.38		
218433_at	PANK3	-0.09	-0.13		
204563_at	SELL	-0.09	-0.48	-0.15	-0.56
217205_at	PABPN1	-0.09	-0.16	-0.07	-0.03
206668_s_at	SCAMP1	-0.09	-0.26	0.00	0.02
203922_s_at	CYBB	-0.09	-0.38	-0.02	-0.20
221873_at	ZNF143	-0.09	-0.33		
201383_s_at	LOC10013316	-0.09	-0.05		
219874_at	SLC12A8	-0.09	-0.41	-0.18	-0.53
206574_s_at	PTP4A3	-0.10	-0.22	-0.21	-0.10
205770_at	GSR	-0.10	-0.17	0.11	-0.05
37425_g_at	CCHCR1	-0.10	0.24		
213141_at	PSKH1	-0.10	0.21	-0.34	0.25
218527_at	APTX	-0.10	0.70	-0.10	0.53
203528_at	SEMA4D	-0.10	-0.38	-0.16	-0.48
203715_at	TBCE	-0.10	-0.36		
202288_at	FRAP1	-0.10	-0.15	-0.20	-0.23
214870_x_at	LOC339047	-0.10	-0.05	-0.30	-0.14
220132_s_at	CLEC2D	-0.10	-0.67	-0.02	-0.41
201037_at	PFKP	-0.10	-0.53	-0.16	-0.36
221658_s_at	IL21R	-0.10	0.27	-0.25	0.23
219577_s_at	ABCA7	-0.10	0.12	0.04	0.15
202094_at	BIRC5	-0.10	-0.40	-0.15	-0.76
219956_at	GALNT6	-0.10	-0.15	-0.09	-0.13
66053_at	HNRNPUL2	-0.10	-0.25	-0.03	-0.13
61732_r_at	IFT74	-0.10	-0.09	0.09	0.12
201791_s_at	DHCR7	-0.10	-0.54	-0.14	-0.29
220987_s_at	C11orf17	-0.10	0.01	-0.12	0.07
201673_s_at	GYS1	-0.10	-0.24		
54037_at	HPS4	-0.10	-0.06	-0.28	-0.08
218750_at	TAF1D	-0.10	-0.31	0.31	0.04
212977_at	CXCR7	-0.10	-0.64	0.15	-0.50
204794_at	DUSP2	-0.10	-0.60	-0.02	-0.51
219915_s_at	SLC16A10	-0.10	0.05		
203072_at	MYO1E	-0.10	-0.34		
221826_at	ANGEL2	-0.10	0.38		
212698_s_at	40796	-0.10	-0.01		
215577_at	UBE2E1	-0.10	-0.15	-0.16	-0.27
207238_s_at	PTPRC	-0.10	-0.69	-0.10	-0.60
212439_at	IP6K1	-0.10	0.23	-0.33	0.14
218589_at	P2RY5	-0.10	0.50	-0.01	0.69
218076_s_at	ARHGAP17	-0.10	-0.36		
203890_s_at	DAPK3	-0.10	0.11	-0.15	0.15
217139_at	LOC10013372	-0.10	-0.12	0.08	0.04
202030_at	BCKDK	-0.10	-0.30	-0.13	-0.15
213259_s_at	SARM1	-0.10	-0.31		

Table S1

217133_x_at	CYP2B6	-0.10	0.04	-0.06	0.14
221781_s_at	DNAJC10	-0.10	-0.16		
201878_at	ARIH1	-0.10	0.33		
206005_s_at	KIAA1009	-0.10	0.06		
206497_at	C7orf44	-0.10	0.18	-0.25	-0.03
204994_at	MX2	-0.10	-0.44	-0.13	-0.44
212443_at	NBEAL2	-0.10	-0.21	-0.25	-0.20
213058_at	TTC28	-0.10	-0.04	0.05	-0.04
206686_at	PDK1	-0.10	-0.94	-0.09	-0.32
64432_at	C12orf47	-0.10	-0.05		
216251_s_at	TTL12	-0.10	-0.33	-0.19	-0.38
221634_at	RPL23AP7	-0.10	0.48	-0.20	0.49
213741_s_at	KPNA1	-0.10	0.46	-0.02	0.41
214878_at	ZNF37A	-0.10	0.36	-0.37	0.36
201988_s_at	CREBL2	-0.10	0.18		
202926_at	NBAS	-0.10	-0.22	-0.20	-0.32
214582_at	PDE3B	-0.10	-0.13	0.08	-0.06
215498_s_at	MAP2K3	-0.10	0.34	-0.05	0.28
200928_s_at	RAB14	-0.10	0.19	0.01	0.04
221082_s_at	NDRG3	-0.10	-0.27		
215959_at	PPFIBP2	-0.10	-0.12		
203468_at	CDK10	-0.10	-0.29		
205072_s_at	XRCC4	-0.10	-0.12		
214196_s_at	TPP1	-0.10	0.14	-0.02	0.36
204968_at	C6orf47	-0.10	0.10	-0.31	-0.14
209820_s_at	TBL3	-0.10	-0.09		
204495_s_at	C15orf39	-0.10	-0.35	-0.36	-0.50
205599_at	TRAF1	-0.10	0.03	-0.25	0.02
204638_at	ACP5	-0.10	-0.22		
214877_at	CDKAL1	-0.10	-0.28	-0.09	-0.31
202715_at	CAD	-0.10	-0.19	-0.28	-0.29
217730_at	TMBIM1	-0.10	0.54	-0.25	0.44
214657_s_at	NCRNA00084	-0.11	0.23	0.32	0.57
220288_at	MYO15A	-0.11	-0.07	-0.25	-0.17
41113_at	ZNF500	-0.11	0.24		
206653_at	POLR3G	-0.11	-0.58	-0.09	-0.39
204969_s_at	RDX	-0.11	0.06	-0.04	0.21
218017_s_at	HGSNAT	-0.11	0.27		
210004_at	OLR1	-0.11	-0.04		
203958_s_at	ZBTB40	-0.11	0.15	0.00	0.18
201647_s_at	SCARB2	-0.11	-0.12		
220494_s_at	C14orf43	-0.11	-0.60	-0.04	-0.35
216392_s_at	SEC23IP	-0.11	-0.06	-0.22	0.03
210976_s_at	PFKM	-0.11	-0.43		
204852_s_at	PTPN7	-0.11	-0.32		
218692_at	GOLSYN	-0.11	-0.43	-0.06	-0.45
205799_s_at	SLC3A1	-0.11	0.03		
214762_at	ATP6V1G2	-0.11	0.00		
212754_s_at	MON2	-0.11	0.49	-0.11	0.39
213215_at	AP3S2	-0.11	0.21	-0.25	-0.07
214720_x_at	40796	-0.11	0.02	0.02	0.00
203206_at	FAM53B	-0.11	-0.05	-0.12	-0.06
218503_at	KIAA1797	-0.11	-0.36		
65472_at	C2orf68	-0.11	0.10	-0.20	0.07
207641_at	TNFRSF13B	-0.11	-0.40	-0.26	-0.46

Table S1

204513_s_at	ELMO1	-0.11	-0.26		
212930_at	ATP2B1	-0.11	0.20	0.07	0.18
38521_at	CD22	-0.11	-0.58	-0.18	-0.67
200768_s_at	MAT2A	-0.11	-0.20	-0.19	-0.45
218632_at	HECTD3	-0.11	0.11		
213737_x_at	GOLGA9P	-0.11	-0.08	-0.06	0.06
221517_s_at	MED17	-0.11	0.11		
211717_at	ANKRD40	-0.11	0.02	-0.14	-0.21
219680_at	NLRX1	-0.11	0.37		
203574_at	NFIL3	-0.11	-0.50	0.19	-0.17
215604_x_at	UBE2D2	-0.11	-0.03	-0.17	-0.16
208900_s_at	TOP1	-0.11	0.02		
206129_s_at	ARSB	-0.11	-0.03		
202430_s_at	PLSCR1	-0.11	-0.30		
208392_x_at	SP110	-0.11	-0.02	-0.14	0.00
213445_at	ZC3H3	-0.11	-0.04		
218973_at	EFTUD1	-0.11	-0.21	-0.25	-0.20
217861_s_at	PREB	-0.11	0.40		
210385_s_at	ERAP1	-0.11	0.10	-0.09	0.05
218846_at	MED23	-0.11	0.45	-0.07	0.44
208386_x_at	DMC1	-0.11	-0.05		
218697_at	NCKIPSD	-0.11	-0.25		
217097_s_at	PHTF2	-0.11	-0.09	0.05	0.01
218879_s_at	MTHFSD	-0.11	0.10	0.06	0.26
203276_at	LMNB1	-0.11	-0.24	-0.10	-0.34
219368_at	NAP1L2	-0.11	0.45	-0.05	0.37
211066_x_at	PCDHGA1	-0.11	0.02		
211391_s_at	PATZ1	-0.11	-0.11		
211302_s_at	PDE4B	-0.11	0.44	0.27	0.77
205790_at	SKAP1	-0.11	-0.48	-0.07	-0.31
213106_at	ATP8A1	-0.11	-0.62	-0.13	-0.52
220019_s_at	ZNF224	-0.11	0.11		
212375_at	EP400	-0.11	0.01	-0.19	-0.15
212248_at	MTDH	-0.11	-0.37	-0.12	-0.36
207667_s_at	MAP2K3	-0.11	0.26	-0.23	0.20
206106_at	MAPK12	-0.11	-0.26		
212523_s_at	KIAA0146	-0.11	-0.20	-0.16	-0.14
203264_s_at	ARHGEF9	-0.11	-0.02	-0.28	-0.36
207304_at	ZNF45	-0.11	0.23	-0.13	0.24
214931_s_at	SRPK2	-0.12	0.07	-0.05	0.06
204164_at	SIPA1	-0.12	-0.66	-0.16	-0.49
203690_at	TUBGCP3	-0.12	-0.04	-0.30	-0.16
212302_at	RTF1	-0.12	0.02		
218196_at	OSTM1	-0.12	0.23	-0.07	0.21
210235_s_at	PPFIA1	-0.12	0.19		
213566_at	RNASE6	-0.12	-0.69	-0.09	-0.52
206553_at	OAS2	-0.12	-0.23	-0.07	-0.03
210160_at	PAFAH1B2	-0.12	-0.04	0.03	0.10
221534_at	C11orf68	-0.12	0.18	-0.08	-0.01
212526_at	SPG20	-0.12	-0.36	-0.13	-0.37
40420_at	STK10	-0.12	0.31		
211849_s_at	RNGTT	-0.12	-0.10	-0.01	0.03
204569_at	ICK	-0.12	0.44	-0.18	0.53
205245_at	PARD6A	-0.12	0.07	0.04	0.16
221736_at	KIAA1219	-0.12	0.46		

Table S1

216110_x_at	---	-0.12	0.10		
204653_at	TFAP2A	-0.12	0.09		
209818_s_at	HABP4	-0.12	-0.34	-0.08	-0.22
202064_s_at	SEL1L	-0.12	-0.03		
208010_s_at	PTPN22	-0.12	0.46	-0.13	0.59
206056_x_at	SPN	-0.12	-0.06	-0.19	-0.38
209474_s_at	ENTPD1	-0.12	-0.41	-0.17	-0.31
214484_s_at	SIGMAR1	-0.12	-0.23	-0.10	-0.22
218575_at	ANAPC1	-0.12	-0.23	-0.24	-0.33
37950_at	PREP	-0.12	-0.30		
210142_x_at	FLOT1	-0.12	-0.37		
220446_s_at	CHST4	-0.12	-0.18	-0.12	-0.10
201158_at	NMT1	-0.12	-0.07	-0.39	-0.32
204165_at	WASF1	-0.12	-0.07	-0.08	-0.07
210282_at	ZMYM2	-0.12	-0.23	-0.04	-0.14
215743_at	NMT2	-0.12	0.42	-0.12	0.36
213811_x_at	TCF3	-0.12	-0.16	-0.15	-0.37
204567_s_at	ABCG1	-0.12	-0.38		
203132_at	RB1	-0.12	0.25		
213292_s_at	SNX13	-0.12	0.49	-0.11	0.47
213793_s_at	HOMER1	-0.12	-0.49	-0.10	-0.53
212314_at	KIAA0746	-0.12	-0.36	-0.16	-0.40
219925_at	ZMYM6	-0.12	0.17	-0.08	0.19
210658_s_at	GGA2	-0.12	-0.50	-0.10	-0.39
220946_s_at	SETD2	-0.12	-0.08		
210723_x_at	MGC4771	-0.12	0.18	0.00	0.21
208070_s_at	REV3L	-0.12	0.54	-0.22	0.65
204917_s_at	MLLT3	-0.12	-0.28	-0.32	-0.32
36545_s_at	SFI1	-0.12	-0.39	-0.20	-0.46
214336_s_at	COPA	-0.12	-0.05	-0.06	0.17
215069_at	NMT2	-0.12	0.30	-0.06	0.17
212495_at	KDM4B	-0.12	-0.35	-0.41	-0.32
218898_at	FAM57A	-0.12	-0.46	-0.01	-0.24
203192_at	ABCB6	-0.12	0.38		
201043_s_at	ANP32A	-0.12	-0.23		
203047_at	STK10	-0.12	0.33		
206748_s_at	SPAG9	-0.12	0.03	0.00	0.20
213275_x_at	CTSB	-0.12	-0.45	-0.07	-0.37
204159_at	CDKN2C	-0.12	0.12		
222128_at	NSUN6	-0.12	0.37		
200895_s_at	FKBP4	-0.12	-0.44		
220399_at	NCRNA00115	-0.12	-0.20	0.13	-0.05
207315_at	CD226	-0.12	-0.34	-0.10	-0.36
1729_at	TRADD	-0.12	-0.25		
204798_at	MYB	-0.12	-0.26	-0.22	-0.32
205299_s_at	BTN2A2	-0.12	-0.01	-0.19	-0.22
213700_s_at	PKM2	-0.12	-0.24	-0.09	-0.22
204185_x_at	PPID	-0.12	-0.16		
216114_at	NCKIPSD	-0.12	-0.07		
213562_s_at	SQLE	-0.12	-0.46	-0.17	-0.03
212496_s_at	KDM4B	-0.12	-0.47	-0.24	-0.38
210531_at	NR2C1	-0.12	0.04		
219653_at	LSM14B	-0.13	-0.11		
203718_at	PNPLA6	-0.13	-0.20		
209808_x_at	ING1	-0.13	-0.26	-0.08	-0.15

Table S1

210829_s_at	SSBP2	-0.13	-0.33		
221653_x_at	APOL2	-0.13	-0.20		
218498_s_at	ERO1L	-0.13	-0.53	-0.03	-0.41
212769_at	TLE3	-0.13	-0.60	-0.13	-0.55
213625_at	ZKSCAN4	-0.13	0.37		
205594_at	ZNF652	-0.13	-0.19	-0.14	-0.24
203803_at	PCYOX1	-0.13	0.16	-0.23	0.13
216969_s_at	KIF22	-0.13	-0.14	-0.03	-0.24
202954_at	UBE2C	-0.13	-0.64	-0.19	-0.95
214239_x_at	PCGF2	-0.13	-0.35		
221194_s_at	RNFT1	-0.13	0.26	-0.05	0.26
219635_at	ZNF606	-0.13	0.18	-0.26	0.05
212934_at	UBXN2B	-0.13	0.12		
205701_at	IPO8	-0.13	-0.06		
209928_s_at	MSC	-0.13	-0.39	-0.26	-0.50
206060_s_at	PTPN22	-0.13	0.51	-0.12	0.52
219239_s_at	ZNF654	-0.13	0.59	0.02	0.80
200991_s_at	SNX17	-0.13	-0.20		
203923_s_at	CYBB	-0.13	-0.61	-0.13	-0.48
220215_at	ZNF669	-0.13	0.01	-0.20	-0.05
214190_x_at	GGA2	-0.13	-0.43	-0.06	-0.10
202743_at	PIK3R3	-0.13	0.39		
203163_at	KATNB1	-0.13	-0.29		
211208_s_at	CASK	-0.13	0.53	-0.03	0.51
220039_s_at	CDKAL1	-0.13	-0.26	0.13	0.01
208933_s_at	LGALS8	-0.13	-0.36		
212032_s_at	PTOV1	-0.13	-0.25		
219971_at	IL21R	-0.13	0.37	-0.24	0.26
202054_s_at	ALDH3A2	-0.13	-0.32	-0.17	-0.43
212257_s_at	SMARCA2	-0.13	-0.20	-0.14	-0.24
213666_at	40792	-0.13	-0.08	-0.09	0.01
201851_at	SH3GL1	-0.13	0.14	-0.11	0.13
221224_s_at	DCAKD	-0.13	0.18		
221664_s_at	F11R	-0.13	0.36	-0.07	0.42
219688_at	BBS7	-0.13	0.47		
221882_s_at	TMEM8	-0.13	0.06	-0.32	-0.03
221508_at	TAOK3	-0.13	-0.08	-0.06	-0.17
221079_s_at	METTL2A	-0.13	-0.02	-0.33	-0.02
210530_s_at	NR2C1	-0.13	0.06		
214707_x_at	ALMS1	-0.13	0.00	-0.21	-0.09
212421_at	C22orf9	-0.13	-0.38	-0.24	-0.35
209732_at	CLEC2B	-0.13	-0.42	0.17	-0.09
210279_at	GPR18	-0.13	-0.58	-0.41	-0.47
202988_s_at	RGS1	-0.13	-0.64		
42361_g_at	CCHCR1	-0.13	0.24	-0.18	0.21
205133_s_at	HSPE1	-0.13	-0.33		
202742_s_at	PRKACB	-0.13	0.10	-0.09	0.05
213212_x_at	FLJ40113	-0.13	-0.38		
205732_s_at	NCOA2	-0.13	-0.06	-0.02	0.06
217595_at	GSPT1	-0.13	-0.36	-0.02	-0.21
201753_s_at	ADD3	-0.13	-0.26	-0.21	-0.37
204581_at	CD22	-0.13	-0.82	-0.17	-0.79
218223_s_at	PLEKHO1	-0.13	-0.42	-0.24	-0.42
206098_at	ZBTB6	-0.13	0.09	-0.12	0.29
217775_s_at	RDH11	-0.13	-0.31		

Table S1

201215_at	PLS3	-0.13	-0.06	-0.14	-0.06
209967_s_at	CREM	-0.13	0.13		
210162_s_at	NFATC1	-0.13	-0.57	-0.10	-0.43
213653_at	METTL3	-0.13	0.07		
220467_at	FLJ21272	-0.13	-0.15	-0.03	-0.20
217286_s_at	NDRG3	-0.13	-0.37	-0.11	-0.25
212232_at	FNBP4	-0.13	0.00	-0.29	-0.19
209997_x_at	PCM1	-0.13	-0.15	-0.09	-0.18
204822_at	TTK	-0.13	-0.38	-0.20	-0.61
207904_s_at	LNPEP	-0.13	0.01	-0.14	0.04
221523_s_at	RRAGD	-0.13	-0.47		
221419_s_at	---	-0.13	-0.18	0.06	0.04
217465_at	NCKAP1	-0.14	-0.06	-0.18	-0.12
213004_at	ANGPTL2	-0.14	-0.13		
212594_at	PDCD4	-0.14	-0.40	-0.27	-0.48
208749_x_at	FLOT1	-0.14	-0.41		
213963_s_at	SAP30	-0.14	-0.35	-0.14	-0.24
212587_s_at	PTPRC	-0.14	-0.69	-0.16	-0.63
201292_at	TOP2A	-0.14	-0.29	-0.16	-0.46
219501_at	ENOX1	-0.14	-0.02	-0.13	-0.08
220800_s_at	TMOD3	-0.14	-0.14	0.02	0.03
202813_at	TARBP1	-0.14	-0.41	-0.13	-0.33
220390_at	AGBL2	-0.14	0.27		
204923_at	SASH3	-0.14	-0.40	-0.13	-0.48
218521_s_at	UBE2W	-0.14	0.11		
220146_at	TLR7	-0.14	-0.50	-0.04	-0.55
211230_s_at	PIK3CD	-0.14	-0.08	-0.26	-0.12
205552_s_at	OAS1	-0.14	-0.59	-0.13	-0.47
218986_s_at	DDX60	-0.14	-0.57	0.01	-0.35
40149_at	SH2B1	-0.14	0.05		
215463_at	OR7E24	-0.14	-0.06		
205510_s_at	FLJ10038	-0.14	-0.06	-0.14	-0.07
208459_s_at	XPO7	-0.14	-0.13	-0.24	-0.15
208121_s_at	PTPRO	-0.14	-0.34		
219923_at	TRIM45	-0.14	0.08		
204346_s_at	RASSF1	-0.14	-0.09		
204106_at	TESK1	-0.14	0.06	0.04	0.19
214850_at	LOC10017093	-0.14	0.01	-0.10	-0.15
203419_at	MLL4	-0.14	0.02	-0.05	0.05
217826_s_at	UBE2J1	-0.14	-0.43	-0.10	-0.45
206031_s_at	USP5	-0.14	-0.05	-0.37	-0.55
202104_s_at	SPG7	-0.14	0.01		
216379_x_at	CD24	-0.14	-0.24	-0.10	-0.20
203216_s_at	MYO6	-0.14	0.22	0.07	0.40
202137_s_at	ZMYND11	-0.14	0.07	-0.17	0.03
210057_at	SMG1	-0.14	-0.05	-0.28	-0.11
220473_s_at	ZCCHC4	-0.14	0.14	-0.10	0.23
209731_at	NTHL1	-0.14	-0.56	-0.05	-0.48
221591_s_at	FAM64A	-0.14	-0.53	-0.11	-0.63
51158_at	FAM174B	-0.14	0.05	-0.27	-0.17
203935_at	ACVR1	-0.14	0.39	-0.17	0.11
211383_s_at	WDR37	-0.14	0.12		
216944_s_at	ITPR1	-0.14	-0.43	-0.19	-0.52
215336_at	AKAP11	-0.14	0.06	-0.21	-0.05
221211_s_at	C21orf7	-0.14	-0.06	-0.15	-0.06

Table S1

219849_at	ZNF671	-0.14	0.14	-0.13	-0.09
213639_s_at	ZNF500	-0.14	0.19	-0.29	0.03
218058_at	CXXC1	-0.14	-0.41	-0.18	-0.48
215269_at	TRAPPC10	-0.14	-0.08		
216858_x_at	---	-0.14	0.05		
220346_at	MTHFD2L	-0.14	0.24		
209282_at	PRKD2	-0.14	0.26	-0.25	0.03
209342_s_at	IKBKB	-0.14	0.12	-0.29	-0.03
214597_at	SSTR2	-0.14	0.05	0.06	0.12
208072_s_at	DGKD	-0.14	-0.36	-0.29	-0.54
209060_x_at	NCOA3	-0.14	0.27	-0.22	0.22
204394_at	SLC43A1	-0.14	-0.27	-0.18	-0.42
207394_at	ZNF137	-0.14	0.21	-0.35	0.01
212122_at	RHOQ	-0.14	-0.44	-0.26	-0.62
207229_at	KLRA1	-0.14	0.15	-0.23	0.15
201790_s_at	DHCR7	-0.14	-0.57		
219976_at	HOOK1	-0.14	-0.30	0.07	-0.32
212920_at	REST	-0.14	0.07		
214594_x_at	ATP8B1	-0.14	-0.16	-0.32	-0.32
214620_x_at	PAM	-0.14	-0.24	-0.27	-0.13
211993_at	WNK1	-0.14	-0.13	-0.21	-0.27
219322_s_at	WDR8	-0.14	0.64	-0.11	0.64
210716_s_at	CLIP1	-0.14	-0.16		
221703_at	BRIP1	-0.14	0.46	-0.26	0.46
203764_at	DLGAP5	-0.15	-0.92	-0.17	-1.13
202429_s_at	PPP3CA	-0.15	-0.40	-0.03	-0.30
201841_s_at	HSPB1	-0.15	-0.15		
202794_at	INPP1	-0.15	0.95	-0.10	0.79
222243_s_at	TOB2	-0.15	0.19	-0.36	0.03
212958_x_at	PAM	-0.15	-0.30		
202118_s_at	CPNE3	-0.15	-0.12		
219885_at	SLFN12	-0.15	-0.12	-0.10	-0.03
202869_at	OAS1	-0.15	-0.50	-0.14	-0.57
212991_at	FBXO9	-0.15	0.00	0.05	0.14
221731_x_at	VCAN	-0.15	0.47	-0.11	0.32
32259_at	EZH1	-0.15	0.18	-0.06	0.22
215143_at	DPY19L2P2	-0.15	0.10	0.19	0.23
201291_s_at	TOP2A	-0.15	-0.31	-0.25	-0.52
202621_at	IRF3	-0.15	-0.27	-0.11	-0.32
213142_x_at	PION	-0.15	-0.08		
209113_s_at	HMG20B	-0.15	-0.22		
216187_x_at	KLC1	-0.15	-0.08		
203215_s_at	MYO6	-0.15	0.35	0.01	0.43
215191_at	FBXL11	-0.15	0.16	-0.24	-0.11
203787_at	SSBP2	-0.15	-0.37	-0.12	-0.32
219787_s_at	ECT2	-0.15	-0.47	-0.15	-0.68
208407_s_at	CTNND1	-0.15	0.47	-0.07	0.47
212329_at	SCAP	-0.15	0.03		
217728_at	S100A6	-0.15	-0.19		
207499_x_at	UNC45A	-0.15	-0.10		
220200_s_at	SETD8	-0.15	-0.13	-0.24	-0.18
206261_at	ZNF239	-0.15	-0.11		
214028_x_at	TDRD3	-0.15	-0.23	0.01	-0.05
210731_s_at	LGALS8	-0.15	-0.38		
206150_at	CD27	-0.15	-0.49	-0.21	-0.52

Table S1

208859_s_at	ATRX	-0.15	-0.12		
65585_at	FAM86B1	-0.15	-0.14	-0.41	-0.46
635_s_at	PPP2R5B	-0.15	-0.10		
214155_s_at	LARP4	-0.15	0.25		
204720_s_at	DNAJC6	-0.15	0.18	-0.33	0.04
203900_at	KIAA0467	-0.15	0.04	-0.26	-0.13
222051_s_at	LOC10013163	-0.15	-0.02	-0.30	-0.12
209894_at	LEPR	-0.15	-0.18		
212065_s_at	USP34	-0.15	0.01	-0.07	0.12
209626_s_at	OSBPL3	-0.15	0.46	-0.21	0.42
210290_at	ZNF174	-0.15	-0.08	-0.08	-0.11
204135_at	FILIP1L	-0.15	0.14	-0.23	0.19
209771_x_at	CD24	-0.15	-0.31	-0.15	-0.37
218066_at	SLC12A7	-0.15	-0.14	-0.08	0.11
205260_s_at	ACYP1	-0.15	0.05	-0.19	0.00
211665_s_at	SOS2	-0.15	0.28	-0.08	0.29
219311_at	CEP76	-0.15	0.32	-0.32	0.27
205411_at	STK4	-0.15	0.16	-0.15	0.05
201129_at	SFRS7	-0.15	-0.38	-0.08	-0.48
213882_at	TM2D1	-0.15	-0.01	0.05	0.13
213126_at	MED8	-0.16	-0.13	-0.22	-0.30
206500_s_at	C14orf106	-0.16	-0.37	-0.21	-0.54
215933_s_at	HHEX	-0.16	-0.69	-0.15	-0.57
203710_at	ITPR1	-0.16	-0.43	-0.16	-0.41
206235_at	LIG4	-0.16	0.17	-0.07	0.22
217891_at	C16orf58	-0.16	-0.02	-0.24	-0.16
214186_s_at	HCG26	-0.16	0.37		
221899_at	N4BP2L2	-0.16	0.05	-0.25	-0.17
214569_at	IFNA5	-0.16	-0.07	0.00	0.03
209152_s_at	TCF3	-0.16	-0.49	-0.26	-0.61
207891_s_at	HAUS7	-0.16	-0.23	-0.14	-0.13
204960_at	PTPRCAP	-0.16	-0.71	-0.20	-0.64
39318_at	TCL1A	-0.16	-0.74	-0.14	-0.62
201126_s_at	MGAT1	-0.16	-0.19	-0.20	-0.08
209433_s_at	PPAT	-0.16	-0.35		
210858_x_at	ATM	-0.16	-0.42	-0.30	-0.49
205855_at	ZNF197	-0.16	0.16		
218236_s_at	PRKD3	-0.16	-0.29		
41329_at	SCYL3	-0.16	0.25	-0.29	0.19
219571_s_at	ZNF12	-0.16	0.09		
210154_at	ME2	-0.16	-0.31		
211352_s_at	NCOA3	-0.16	0.24	-0.22	0.29
202329_at	CSK	-0.16	-0.53	-0.20	-0.56
212975_at	DENND3	-0.16	-0.29	-0.19	-0.31
203793_x_at	PCGF2	-0.16	-0.21		
210407_at	PPM1A	-0.16	0.48		
218983_at	C1RL	-0.16	0.30	-0.15	0.39
205372_at	PLAG1	-0.16	0.30	-0.12	0.17
203643_at	ERF	-0.16	-0.07	-0.13	-0.09
218882_s_at	WDR3	-0.16	-0.30	-0.19	-0.36
213748_at	TRIM66	-0.16	0.06		
202721_s_at	GFPT1	-0.16	-0.21	-0.21	-0.20
204679_at	KCNK1	-0.16	-0.37		
221673_s_at	CSNK1G1	-0.16	0.48	-0.12	0.42
212980_at	USP34	-0.16	0.10		

Table S1

203991_s_at	KDM6A	-0.16	0.35		
220944_at	PGLYRP4	-0.16	0.09		
203147_s_at	TRIM14	-0.16	-0.34	-0.17	-0.36
203204_s_at	KDM4A	-0.16	0.22	-0.24	0.02
203357_s_at	CAPN7	-0.16	0.28		
204620_s_at	VCAN	-0.16	0.42	-0.21	0.26
219637_at	ARMC9	-0.16	-0.27	-0.15	-0.26
211676_s_at	IFNGR1	-0.16	-0.35		
208442_s_at	ATM	-0.16	-0.48	-0.19	-0.48
220937_s_at	ST6GALNAC4	-0.16	-0.25		
201752_s_at	ADD3	-0.16	-0.28		
212379_at	GART	-0.16	-0.31	-0.15	-0.36
209434_s_at	PPAT	-0.16	-0.36	-0.11	-0.49
220773_s_at	GPHN	-0.16	-0.10		
202680_at	GTF2E2	-0.17	-0.49	-0.13	-0.43
204403_x_at	FAM115A	-0.17	0.21	-0.19	0.06
219041_s_at	REPIN1	-0.17	-0.32	-0.14	-0.40
213620_s_at	ICAM2	-0.17	-0.30		
210892_s_at	GTF2I	-0.17	-0.25	-0.11	-0.07
204328_at	TMC6	-0.17	-0.31	-0.19	-0.33
207996_s_at	C18orf1	-0.17	0.86	-0.56	0.79
218656_s_at	LHFP	-0.17	0.44	0.01	0.46
215501_s_at	DUSP10	-0.17	-0.48	-0.11	-0.42
206654_s_at	POLR3G	-0.17	-0.46	-0.02	-0.32
202664_at	WIPF1	-0.17	-0.39		
219171_s_at	ZNF236	-0.17	-0.05	-0.07	0.09
219980_at	C4orf29	-0.17	-0.01	-0.33	-0.26
208151_x_at	DDX17	-0.17	-0.23	-0.23	-0.20
206247_at	MICB	-0.17	0.29	-0.05	0.21
204483_at	ENO3	-0.17	-0.05		
204972_at	OAS2	-0.17	-0.32		
221551_x_at	ST6GALNAC4	-0.17	-0.30		
200832_s_at	SCD	-0.17	-0.97	-0.11	-0.38
219504_s_at	RPAP2	-0.17	0.53	-0.02	0.55
210943_s_at	LYST	-0.17	0.06	-0.09	0.17
205964_at	ZNF426	-0.17	0.31	-0.28	0.27
204075_s_at	KIAA0562	-0.17	0.28		
209865_at	SLC35A3	-0.17	-0.08	-0.22	-0.16
217152_at	NCOR1	-0.17	0.15		
59705_at	SCLY	-0.17	-0.55	-0.14	-0.63
205583_s_at	ALG13	-0.17	-0.14		
222201_s_at	CASP8AP2	-0.17	-0.03		
203476_at	TPBG	-0.17	0.09	-0.10	0.10
217823_s_at	UBE2J1	-0.17	-0.47	-0.18	-0.53
60471_at	RIN3	-0.17	-0.23		
207738_s_at	NCKAP1	-0.17	-0.17	0.03	-0.13
204396_s_at	GRK5	-0.17	-0.33		
209446_s_at	C7orf44	-0.17	-0.37	0.02	-0.18
201309_x_at	C5orf13	-0.17	-0.43	-0.09	-0.34
201250_s_at	SLC2A1	-0.17	-0.43	-0.04	-0.31
205887_x_at	MSH3	-0.17	-0.20	-0.15	-0.29
202214_s_at	CUL4B	-0.17	-0.36	-0.23	-0.42
212368_at	ZNF292	-0.17	-0.24		
212763_at	CAMSAP1L1	-0.17	0.02		
212815_at	ASCC3	-0.17	0.29	-0.09	0.50

Table S1

215023_s_at	PEX1	-0.18	0.16	-0.15	0.22
209995_s_at	TCL1A	-0.18	-0.65	-0.15	-0.60
214670_at	ZKSCAN1	-0.18	0.19	-0.30	0.14
219147_s_at	C9orf95	-0.18	-0.33	-0.19	-0.34
215470_at	GTF2H2B	-0.18	0.06	-0.30	-0.15
218833_at	ZAK	-0.18	-0.26	-0.27	-0.38
220240_s_at	TMCO3	-0.18	-0.15	-0.16	-0.03
218705_s_at	SNX24	-0.18	-0.12		
219027_s_at	MYO9A	-0.18	0.04		
204079_at	TPST2	-0.18	-0.17		
210448_s_at	P2RX5	-0.18	-0.78	-0.06	-0.53
213853_at	DNAJC24	-0.18	0.05	-0.28	0.05
215825_at	---	-0.18	0.07	-0.28	0.06
221087_s_at	APOL3	-0.18	-0.37		
203159_at	GLS	-0.18	-0.43		
214059_at	IFI44	-0.18	-0.16	-0.04	-0.15
207263_x_at	VEZT	-0.18	-0.11	-0.21	-0.22
37232_at	KIAA0586	-0.18	-0.15		
212009_s_at	STIP1	-0.18	-0.41	-0.04	-0.15
209849_s_at	RAD51C	-0.18	0.60	-0.11	0.75
220122_at	MCTP1	-0.18	-0.40	-0.20	-0.34
37170_at	BMP2K	-0.18	0.13	-0.13	0.07
214277_at	COX11	-0.18	0.25	-0.07	0.12
214002_at	MYL6	-0.18	-0.06	0.04	0.05
207339_s_at	LTB	-0.18	-0.50	-0.21	-0.43
208651_x_at	CD24	-0.18	-0.37	-0.06	-0.28
212719_at	PHLPP	-0.18	-0.34	-0.21	-0.48
209006_s_at	C1orf63	-0.18	0.25	0.02	0.28
204249_s_at	LMO2	-0.18	-0.31	-0.15	-0.20
211512_s_at	OGFR	-0.18	-0.16	-0.08	0.11
222126_at	AGFG2	-0.18	-0.34	-0.35	-0.52
209431_s_at	PATZ1	-0.18	-0.55	-0.39	-0.49
201848_s_at	BNIP3	-0.18	-0.85	-0.11	-0.08
201691_s_at	TPD52	-0.18	-0.41	-0.03	-0.45
222156_x_at	CCPG1	-0.18	0.01	-0.12	0.08
204057_at	IRF8	-0.18	-0.40	-0.12	-0.38
220940_at	ANKRD36B	-0.18	-0.03	-0.46	-0.19
212777_at	SOS1	-0.18	0.06	-0.29	-0.02
201995_at	EXT1	-0.18	0.14		
215602_at	FGD2	-0.18	0.26	-0.23	0.19
221683_s_at	CEP290	-0.18	0.02	-0.21	-0.06
204521_at	C12orf24	-0.18	-0.43		
213817_at	IRAK3	-0.18	-0.12	-0.27	-0.41
221027_s_at	PLA2G12A	-0.18	0.04		
200604_s_at	PRKAR1A	-0.19	-0.31	-0.05	-0.15
209459_s_at	ABAT	-0.19	0.19	-0.41	-0.16
202422_s_at	ACSL4	-0.19	-0.30		
215068_s_at	FBXL18	-0.19	0.21	-0.73	0.00
219570_at	KIF16B	-0.19	-0.20	-0.33	-0.29
219232_s_at	EGLN3	-0.19	-0.78	0.14	-0.38
202975_s_at	RHOBTB3	-0.19	-0.21	-0.13	-0.17
217541_x_at	ZNF816A	-0.19	-0.02	-0.13	0.03
213577_at	SQLE	-0.19	-0.52	-0.17	-0.29
204108_at	NFYA	-0.19	0.12	-0.22	-0.02
52285_f_at	CEP76	-0.19	0.45		

Table S1

209473_at	ENTPD1	-0.19	-0.61	-0.17	-0.56
208047_s_at	NAB1	-0.19	-0.14	0.06	0.04
218907_s_at	LRRC61	-0.19	-0.01		
219372_at	IFT81	-0.19	-0.29	-0.16	-0.37
206652_at	ZMYM5	-0.19	0.11		
221011_s_at	LBH	-0.19	-0.33	-0.15	-0.11
218542_at	CEP55	-0.19	-0.44	-0.28	-0.70
65438_at	KIAA1609	-0.19	-0.12	-0.64	-0.53
211742_s_at	EVI2B	-0.19	-0.41	-0.22	-0.47
207057_at	SLC16A7	-0.19	-0.45		
209463_s_at	TAF12	-0.19	0.25	-0.19	0.20
209218_at	SQLE	-0.19	-0.49		
202738_s_at	PHKB	-0.19	-0.40	-0.21	-0.39
212309_at	CLASP2	-0.19	-0.15		
214048_at	MBD4	-0.19	-0.08	-0.39	-0.30
65133_i_at	INO80B	-0.19	0.00	-0.08	-0.10
221746_at	UBL4A	-0.19	0.14		
218974_at	SOBP	-0.19	-0.42	-0.13	-0.36
209213_at	CBR1	-0.19	-0.25	-0.05	-0.23
202358_s_at	SNX19	-0.19	0.21	-0.28	0.07
209456_s_at	FBXW11	-0.19	0.04	-0.12	0.09
218764_at	PRKCH	-0.19	-0.06		
221645_s_at	ZNF83	-0.19	-0.01	-0.33	-0.06
203678_at	MTMR15	-0.19	0.21	-0.30	0.07
212621_at	TMEM194A	-0.19	0.33	-0.28	0.08
202516_s_at	DLG1	-0.19	-0.05	-0.14	-0.02
217977_at	SEPX1	-0.19	-0.41	-0.15	-0.12
218604_at	LEMD3	-0.19	0.09		
219667_s_at	BANK1	-0.19	-0.45	-0.09	-0.53
211250_s_at	SH3BP2	-0.19	0.25		
210007_s_at	GPD2	-0.19	-0.06		
219517_at	ELL3	-0.19	-0.35	-0.19	-0.47
205822_s_at	HMGCS1	-0.19	-0.30	-0.07	0.07
217540_at	FAM55C	-0.19	-0.24	-0.14	-0.30
205170_at	STAT2	-0.19	-0.09	-0.14	-0.15
221487_s_at	ENSA	-0.19	-0.31		
202983_at	HLTF	-0.19	-0.55	-0.20	-0.55
203157_s_at	GLS	-0.19	-0.35		
221221_s_at	KLHL3	-0.19	-0.06		
55065_at	MARK4	-0.19	0.31	-0.19	0.25
204866_at	PHF16	-0.19	0.66	-0.36	0.59
202548_s_at	ARHGEF7	-0.19	-0.38		
209339_at	SIAH2	-0.19	-0.43	-0.10	-0.28
204619_s_at	VCAN	-0.19	0.45	-0.05	0.45
203550_s_at	C1orf2	-0.19	-0.30	-0.18	-0.31
206081_at	SLC24A1	-0.19	0.20	-0.09	0.05
214857_at	C10orf95	-0.19	-0.27	-0.18	-0.10
205298_s_at	BTN2A2	-0.19	-0.02		
219201_s_at	TWSG1	-0.19	0.08	-0.33	0.14
214895_s_at	ADAM10	-0.19	0.13	-0.28	0.21
216411_s_at	GALK2	-0.19	-0.23		
221558_s_at	LEF1	-0.19	-0.17	-0.07	-0.13
213803_at	KPNB1	-0.19	-0.41	-0.12	-0.29
212900_at	SEC24A	-0.19	-0.28		
203708_at	PDE4B	-0.19	0.65	0.27	1.15

Table S1

207828_s_at	CENPF	-0.19	-0.76	-0.26	-1.17
211504_x_at	ROCK2	-0.19	0.01		
212471_at	AVL9	-0.19	-0.12		
206975_at	LTA	-0.19	-0.69	-0.19	-0.50
220063_at	GSTCD	-0.19	-0.07	-0.26	0.01
214447_at	ETS1	-0.19	-0.13	-0.10	0.04
204641_at	NEK2	-0.20	-0.72	-0.24	-1.03
219812_at	PVRIG	-0.20	-0.97	-0.21	-0.87
213330_s_at	STIP1	-0.20	-0.45	-0.25	-0.38
204184_s_at	ADRBK2	-0.20	-0.04	-0.15	-0.15
201774_s_at	NCAPD2	-0.20	-0.34	-0.22	-0.43
202771_at	FAM38A	-0.20	-0.44	-0.26	-0.41
202547_s_at	ARHGEF7	-0.20	-0.27	-0.19	-0.12
203386_at	TBC1D4	-0.20	-0.34		
204899_s_at	SAP30	-0.20	-0.40		
206659_at	FLJ14082	-0.20	0.39	-0.29	0.46
202956_at	ARFGEF1	-0.20	0.32		
201491_at	AHSA1	-0.20	-0.40	-0.24	-0.42
217776_at	RDH11	-0.20	-0.30	-0.07	-0.03
215343_at	CCDC88C	-0.20	0.36	-0.11	0.23
221806_s_at	SETD5	-0.20	-0.09		
214009_at	MSL3	-0.20	-0.29	-0.16	-0.40
201310_s_at	C5orf13	-0.20	-0.56	-0.20	-0.48
220608_s_at	ZNF770	-0.20	-0.06		
212800_at	STX6	-0.20	0.60	-0.10	0.65
222146_s_at	TCF4	-0.20	-0.35	-0.23	-0.40
204492_at	ARHGAP11A	-0.20	-0.63	-0.15	-0.86
37802_r_at	FAM63B	-0.20	-0.09	-0.18	-0.02
211031_s_at	CLIP2	-0.20	-0.11	-0.28	-0.39
203520_s_at	ZNF318	-0.20	-0.71	-0.16	-0.39
210218_s_at	SP100	-0.20	-0.17	-0.16	-0.29
217914_at	TPCN1	-0.20	-0.26	-0.30	-0.27
204552_at	INPP4A	-0.20	-0.31		
47773_at	FBXO42	-0.20	0.28	-0.14	0.35
201795_at	LBR	-0.20	-0.35	-0.17	-0.41
212308_at	CLASP2	-0.20	-0.19	-0.18	-0.33
212228_s_at	COQ9	-0.20	0.00		
209034_at	PNRC1	-0.20	-0.18	-0.19	0.11
35160_at	LDB1	-0.20	0.43	-0.20	0.30
205213_at	ACAP1	-0.20	-0.71	-0.46	-0.64
201008_s_at	TXNIP	-0.20	-0.06		
210875_s_at	ZEB1	-0.20	0.00	-0.10	0.06
202910_s_at	CD97	-0.20	0.16		
211547_s_at	PAFAH1B1	-0.20	0.10	0.00	0.27
212557_at	ZNF451	-0.20	0.35		
203158_s_at	GLS	-0.20	-0.41	-0.17	-0.22
219353_at	NHLRC2	-0.20	0.06	-0.32	-0.08
204873_at	PEX1	-0.21	0.15		
203385_at	DGKA	-0.21	0.07	-0.20	0.04
204666_s_at	RP5-1000E10.1	-0.21	0.19	-0.04	0.34
213309_at	PLCL2	-0.21	0.49	-0.23	0.41
200666_s_at	DNAJB1	-0.21	0.25		
213761_at	MDM1	-0.21	0.42		
202875_s_at	PBX2	-0.21	-0.27	-0.37	-0.41
213634_s_at	TRMU	-0.21	-0.01	-0.24	-0.13

Table S1

206471_s_at	PLXNC1	-0.21	-0.08	-0.08	0.06
210052_s_at	TPX2	-0.21	-0.63	-0.28	-0.87
208962_s_at	FADS1	-0.21	-0.53	-0.19	-0.31
205463_s_at	PDGFA	-0.21	-0.04	-0.26	-0.07
212558_at	SPRY1	-0.21	-0.12	0.03	0.11
203217_s_at	ST3GAL5	-0.21	-0.28	-0.08	-0.22
206789_s_at	POU2F1	-0.21	-0.23	-0.35	-0.36
206667_s_at	SCAMP1	-0.21	-0.22	-0.18	-0.20
212385_at	TCF4	-0.21	-0.40	-0.17	-0.42
214723_x_at	ANKRD36	-0.21	-0.21	-0.21	-0.37
219410_at	TMEM45A	-0.21	-0.66	-0.22	-0.08
220985_s_at	RNF170	-0.21	-0.04	-0.35	-0.13
217310_s_at	FOXJ3	-0.21	-0.05	-0.08	-0.03
214066_x_at	NPR2	-0.21	0.11	-0.25	0.06
212779_at	KIAA1109	-0.21	-0.09		
219801_at	ZNF34	-0.21	-0.02	-0.11	0.09
219967_at	MRM1	-0.21	-0.08		
204642_at	S1PR1	-0.21	-0.57	-0.08	-0.44
208498_s_at	AMY1A	-0.21	0.10	-0.38	0.13
203404_at	ARMCX2	-0.21	-0.11	-0.25	-0.16
205684_s_at	DENND4C	-0.21	-0.02		
219156_at	SYNJ2BP	-0.21	0.10		
210868_s_at	ELOVL6	-0.21	-0.61	-0.21	-0.33
205967_at	HIST1H4C	-0.21	-0.21	-0.44	-0.48
205542_at	STEAP1	-0.21	-0.49		
208963_x_at	FADS1	-0.21	-0.46	-0.24	-0.20
219627_at	ZNF767	-0.21	0.49	-0.33	0.51
204439_at	IFI44L	-0.22	-0.36		
201363_s_at	IVNS1ABP	-0.22	-0.10		
204573_at	CROT	-0.22	0.80	-0.18	0.71
214716_at	BMP2K	-0.22	-0.02	0.01	0.14
209509_s_at	DPAGT1	-0.22	-0.43	-0.24	-0.48
205097_at	SLC26A2	-0.22	0.29	-0.39	0.05
201010_s_at	TXNIP	-0.22	-0.02	-0.16	-0.14
203418_at	CCNA2	-0.22	-0.43	-0.09	-0.48
209127_s_at	SART3	-0.22	0.11		
219539_at	GEMIN6	-0.22	-0.04		
201818_at	LPCAT1	-0.22	-0.56	-0.42	-0.54
219806_s_at	C11orf75	-0.22	-0.58	-0.15	-0.47
206167_s_at	ARHGAP6	-0.22	0.04		
203939_at	NT5E	-0.22	-0.34	-0.26	-0.46
210210_at	MPZL1	-0.22	0.15		
202876_s_at	PBX2	-0.22	-0.21	-0.09	-0.23
217497_at	TYMP	-0.22	-0.32	-0.04	-0.19
205848_at	GAS2	-0.22	-0.10		
213416_at	ITGA4	-0.22	-0.84	-0.21	-0.79
204601_at	N4BP1	-0.22	0.29	-0.08	0.12
219252_s_at	GEMIN8	-0.22	-0.44		
200827_at	PLOD1	-0.22	-0.50	-0.18	-0.23
209007_s_at	C1orf63	-0.22	0.40		
217501_at	CIAO1	-0.22	0.21	-0.36	0.07
204920_at	CPS1	-0.22	-0.16	-0.15	-0.13
217974_at	TM7SF3	-0.22	1.04	-0.10	1.25
209902_at	ATR	-0.22	-0.03		
214748_at	N4BP2L2	-0.22	0.38	-0.24	0.16

Table S1

207495_at	RAB28	-0.22	-0.01	-0.04	0.09
202256_at	CD2BP2	-0.22	0.04	-0.04	0.21
204678_s_at	KCNK1	-0.22	-0.23		
210286_s_at	SLC4A7	-0.22	-0.22	0.00	-0.06
201703_s_at	PPP1R10	-0.22	0.33	-0.76	0.20
217506_at	LOC339290	-0.22	-0.02		
202336_s_at	PAM	-0.22	-0.44		
221520_s_at	CDCA8	-0.22	-0.41	-0.37	-0.68
219754_at	RBM41	-0.22	0.44	-0.13	0.34
206513_at	AIM2	-0.22	-1.02	-0.15	-0.87
210236_at	PPFIA1	-0.22	-0.04		
221436_s_at	CDCA3	-0.23	-0.58	-0.33	-0.76
31799_at	COPB2	-0.23	-0.16		
203981_s_at	ABCD4	-0.23	0.05		
219296_at	ZDHHC13	-0.23	0.23	-0.27	0.18
211753_s_at	RLN1	-0.23	-0.10	-0.17	0.07
212367_at	FEM1B	-0.23	0.13		
209817_at	PPP3CB	-0.23	-0.35		
213140_s_at	SS18L1	-0.23	0.25		
219972_s_at	C14orf135	-0.23	0.11	-0.20	0.04
202124_s_at	TRAK2	-0.23	0.25	-0.27	0.10
207777_s_at	SP140	-0.23	-0.48	-0.29	-0.54
222376_at	HACE1	-0.23	-0.12	-0.20	0.03
221951_at	TMEM80	-0.23	-0.12	-0.10	0.04
204995_at	CDK5R1	-0.23	-0.65	-0.15	-0.61
216248_s_at	NR4A2	-0.23	-0.58		
218242_s_at	SUV420H1	-0.23	0.47	-0.48	0.26
32088_at	BLZF1	-0.23	0.04		
206478_at	KIAA0125	-0.23	-0.14	-0.09	-0.24
202140_s_at	CLK3	-0.23	-0.05		
76897_s_at	FKBP15	-0.23	-0.40	-0.14	-0.17
204030_s_at	SCHIP1	-0.23	0.22	-0.04	0.38
205804_s_at	TRAF3IP3	-0.23	-0.43	-0.29	-0.47
200894_s_at	FKBP4	-0.23	-0.58	-0.14	-0.37
201849_at	BNIP3	-0.23	-0.93		
36920_at	MTM1	-0.23	0.00		
203352_at	ORC4L	-0.23	0.00		
211064_at	ZNF493	-0.23	-0.33	-0.06	-0.32
208089_s_at	TDRD3	-0.23	-0.27		
213229_at	DICER1	-0.23	-0.17	-0.21	-0.27
218734_at	NAT11	-0.23	0.20		
218927_s_at	CHST12	-0.23	-0.49	-0.32	-0.62
215358_x_at	ZNF37B	-0.23	-0.04	-0.09	0.07
207165_at	HMMR	-0.23	-0.85	-0.30	-1.06
214820_at	BRWD1	-0.23	0.27	0.05	0.40
221744_at	WDR68	-0.23	-0.15		
205346_at	ST3GAL2	-0.23	-0.33	-0.51	-0.18
217650_x_at	ST3GAL2	-0.23	-0.14	-0.17	-0.02
204315_s_at	GTSE1	-0.23	-0.28	-0.35	-0.68
202364_at	MXI1	-0.23	-0.40		
211561_x_at	MAPK14	-0.23	0.04	-0.20	0.07
203791_at	DMXL1	-0.24	-0.31	-0.27	-0.53
202645_s_at	MEN1	-0.24	0.14	-0.24	-0.01
202872_at	ATP6V1C1	-0.24	0.25		
215509_s_at	BUB1	-0.24	-0.88	-0.23	-0.85

Table S1

217677_at	PLEKHA2	-0.24	-0.46		
220320_at	DOK3	-0.24	-0.22		
203513_at	SPG11	-0.24	-0.29	-0.29	-0.34
206468_s_at	METTL13	-0.24	-0.06		
202934_at	HK2	-0.24	-1.45	-0.08	-1.19
200050_at	ZNF146	-0.24	-0.06		
209172_s_at	CENPF	-0.24	-0.79	-0.33	-1.09
204821_at	BTN3A3	-0.24	-0.46	-0.18	-0.30
201604_s_at	PPP1R12A	-0.24	-0.02		
205198_s_at	ATP7A	-0.24	0.21	-0.28	0.20
203148_s_at	TRIM14	-0.24	-0.54	-0.24	-0.61
32069_at	N4BP1	-0.24	0.33		
207734_at	LAX1	-0.24	-0.10	-0.47	-0.48
213670_x_at	NSUN5B	-0.24	-0.03	-0.30	-0.15
221649_s_at	PPAN	-0.24	-0.40	-0.36	-0.49
214787_at	DENND4A	-0.24	0.19	-0.22	0.16
218367_x_at	USP21	-0.24	0.01		
204841_s_at	EEA1	-0.24	0.42	-0.10	0.49
213283_s_at	SALL2	-0.24	-0.02		
218951_s_at	PLCXD1	-0.24	-0.44	-0.26	-0.55
212306_at	CLASP2	-0.24	-0.06		
208954_s_at	LARP5	-0.24	-0.18		
206583_at	ZNF673	-0.24	0.16	-0.36	0.04
204786_s_at	IFNAR2	-0.24	0.01	-0.32	-0.09
213927_at	MAP3K9	-0.24	0.05	-0.34	-0.08
207108_s_at	NIPBL	-0.24	-0.13	-0.32	-0.17
214710_s_at	CCNB1	-0.24	-1.44	-0.31	-1.90
220993_s_at	GPR63	-0.24	-0.20		
219001_s_at	WDR32	-0.24	0.19	-0.40	-0.09
218179_s_at	C4orf41	-0.24	-0.01		
209938_at	TADA2L	-0.24	0.08	-0.29	0.15
219382_at	SERTAD3	-0.24	-0.06		
209199_s_at	MEF2C	-0.25	-0.47	-0.26	-0.48
208485_x_at	CFLAR	-0.25	0.20	-0.33	0.13
215407_s_at	ASTN2	-0.25	1.19	-0.28	1.28
204727_at	WDHD1	-0.25	-0.04		
219255_x_at	IL17RB	-0.25	-0.48		
217445_s_at	GART	-0.25	-0.37	-0.02	0.01
203836_s_at	MAP3K5	-0.25	-0.24	-0.27	-0.30
204318_s_at	GTSE1	-0.25	-0.24	-0.33	-0.62
217663_at	ZNF234	-0.25	0.04		
212708_at	MSL1	-0.25	-0.12	-0.28	-0.18
209120_at	NR2F2	-0.25	-0.18	-0.02	-0.34
219120_at	C2orf44	-0.25	0.08	-0.28	0.08
212817_at	DNAJB5	-0.25	0.53	-0.28	0.33
203820_s_at	IGF2BP3	-0.25	-0.40		
204840_s_at	EEA1	-0.25	0.34	-0.22	0.34
218340_s_at	UBA6	-0.25	-0.19		
202379_s_at	NKTR	-0.25	0.09		
204918_s_at	MLLT3	-0.25	-0.29	-0.25	-0.42
205139_s_at	UST	-0.25	-0.21	-0.45	-0.29
211080_s_at	NEK2	-0.25	-0.68	-0.21	-0.76
220033_at	---	-0.25	0.01		
219531_at	CEP72	-0.25	-0.34	-0.26	-0.01
218618_s_at	FND3B	-0.25	0.09		

Table S1

213573_at	KPNB1	-0.25	-0.53	-0.25	-0.49
213526_s_at	LIN37	-0.25	0.32		
216060_s_at	DAAM1	-0.25	-0.19	-0.15	-0.30
64883_at	MOSPD2	-0.25	0.07		
213956_at	CEP350	-0.25	0.03	-0.19	-0.14
222061_at	CD58	-0.25	0.13		
212707_s_at	LOC10013300	-0.25	-0.33		
217104_at	ST20	-0.25	0.16	-0.29	0.09
203971_at	SLC31A1	-0.25	-0.42	-0.11	-0.28
210138_at	RGS20	-0.25	0.25	-0.19	0.06
213926_s_at	AGFG1	-0.25	-0.10	0.05	-0.08
202733_at	P4HA2	-0.25	0.20	-0.17	0.51
203810_at	DNAJB4	-0.25	0.65	0.23	0.54
206037_at	CCBL1	-0.25	-0.32		
212677_s_at	CEP68	-0.25	-0.25	-0.26	-0.24
206314_at	ZNF167	-0.25	0.19	-0.25	0.03
212945_s_at	MGA	-0.25	-0.18	-0.31	-0.15
207559_s_at	ZMYM3	-0.25	-0.40	-0.35	-0.42
210643_at	TNFSF11	-0.26	-0.47	-0.26	-0.40
201313_at	ENO2	-0.26	-0.42	-0.27	-0.08
219581_at	TSEN2	-0.26	-0.37	-0.35	-0.38
222077_s_at	RACGAP1	-0.26	-0.34	-0.29	-0.51
205544_s_at	CR2	-0.26	-0.77	-0.28	-0.74
203767_s_at	STS	-0.26	-0.69	-0.21	-0.35
202661_at	ITPR2	-0.26	0.14	-0.31	0.18
202374_s_at	RAB3GAP2	-0.26	-0.04	-0.19	0.25
205069_s_at	ARHGAP26	-0.26	-0.15	-0.53	-0.52
205885_s_at	ITGA4	-0.26	-0.78	-0.26	-0.71
215281_x_at	POGZ	-0.26	-0.18	-0.18	-0.06
203819_s_at	IGF2BP3	-0.26	-0.40		
209537_at	EXTL2	-0.26	-0.49	-0.20	-0.29
209682_at	CBLB	-0.26	-0.32	-0.33	-0.38
205861_at	SPIB	-0.26	-0.38		
201998_at	ST6GAL1	-0.26	-0.42		
221834_at	LONP2	-0.26	0.21	-0.28	0.20
220988_s_at	C1QTNF3	-0.26	0.06		
218330_s_at	NAV2	-0.26	0.02	-0.24	-0.16
209693_at	ASTN2	-0.26	1.28	-0.16	1.08
201485_s_at	RCN2	-0.26	0.26		
203704_s_at	RREB1	-0.26	-0.30	-0.12	-0.29
203384_s_at	GOLGA1	-0.26	0.04		
211317_s_at	CFLAR	-0.26	0.21		
207513_s_at	ZNF189	-0.26	0.24	-0.44	0.06
49306_at	RASSF4	-0.26	-0.11	-0.24	-0.34
202388_at	RGS2	-0.26	-0.72	0.22	-0.21
203736_s_at	PPFIBP1	-0.26	0.00		
205107_s_at	EFNA4	-0.26	0.13		
212492_s_at	KDM4B	-0.26	-0.31	-0.34	-0.26
202066_at	PPFIA1	-0.26	0.24		
203840_at	BLZF1	-0.27	0.01	-0.26	-0.14
212792_at	DPY19L1	-0.27	0.03	-0.18	0.01
201636_at	FXR1	-0.27	0.02		
209925_at	OCLN	-0.27	-0.10	-0.36	0.03
221745_at	WDR68	-0.27	-0.12	-0.36	-0.34
219793_at	SNX16	-0.27	0.18	-0.19	0.29

Table S1

206752_s_at	DFFB	-0.27	0.01		
213922_at	TTBK2	-0.27	0.12	-0.31	0.08
216038_x_at	DAXX	-0.27	-0.24	-0.25	-0.19
204820_s_at	BTN3A2	-0.27	-0.47	-0.31	-0.41
205978_at	KL	-0.27	0.40	-0.10	0.49
214734_at	EXPH5	-0.27	-0.40	-0.33	-0.43
208988_at	KDM2A	-0.27	0.26		
221581_s_at	LAT2	-0.27	-0.50	-0.33	-0.51
220742_s_at	NGLY1	-0.27	-0.39	-0.15	-0.31
204496_at	STRN3	-0.27	0.14		
210070_s_at	CHKB	-0.27	0.09	-0.16	0.13
202585_s_at	NFX1	-0.27	0.12	-0.34	0.10
220603_s_at	MCTP2	-0.27	-0.36	-0.14	-0.11
217042_at	RDH11	-0.27	-0.22	-0.14	-0.15
206061_s_at	DICER1	-0.27	-0.17		
212675_s_at	CEP68	-0.27	-0.27		
203188_at	B3GNT1	-0.27	0.31	-0.27	0.33
214997_at	C9orf126	-0.28	0.19	-0.41	-0.15
220216_at	C8orf44	-0.28	0.19	-0.58	-0.11
204243_at	RLF	-0.28	-0.39		
212672_at	ATM	-0.28	-0.55	-0.13	-0.50
219262_at	SUV39H2	-0.28	-0.07	-0.39	-0.26
210102_at	VWA5A	-0.28	-0.15		
202561_at	TNKS	-0.28	0.07	-0.28	0.03
216199_s_at	MAP3K4	-0.28	-0.15	-0.33	-0.18
209254_at	KLHDC10	-0.28	0.12	-0.40	-0.07
216493_s_at	IGF2BP3	-0.28	-0.35	-0.23	-0.30
209822_s_at	VLDLR	-0.28	-0.46	-0.21	-0.44
217599_s_at	MDFIC	-0.28	0.09	-0.12	0.14
203481_at	FAM178A	-0.28	0.19	-0.30	0.07
210985_s_at	SP100	-0.28	-0.46	-0.15	-0.47
208104_s_at	TSC22D4	-0.28	-0.09	-0.14	0.01
213650_at	GOLGA8A	-0.28	-0.07	-0.22	0.04
209709_s_at	HMMR	-0.28	-0.79	-0.30	-0.93
221230_s_at	ARID4B	-0.28	0.07		
221652_s_at	C12orf11	-0.28	-0.40		
214830_at	SLC38A6	-0.28	-0.23		
202946_s_at	BTBD3	-0.28	-0.12		
212188_at	KCTD12	-0.28	-0.65	-0.23	-0.55
203004_s_at	MEF2D	-0.28	-0.07		
218430_s_at	RFX7	-0.28	0.71	-0.27	0.95
214735_at	IPCEF1	-0.28	-0.14	-0.36	-0.22
202630_at	APPBP2	-0.28	0.08		
200069_at	SART3	-0.28	0.04		
214813_at	ZNF75D	-0.28	0.01	-0.19	0.03
218761_at	RNF111	-0.28	0.28	-0.22	0.31
204314_s_at	CREB1	-0.28	0.09		
214483_s_at	ARFIP1	-0.29	0.25	-0.17	0.32
209048_s_at	ZMYND8	-0.29	-0.03	-0.43	-0.22
207445_s_at	CCR9	-0.29	-0.14	-0.23	-0.11
218850_s_at	LIMD1	-0.29	-0.25	-0.17	-0.34
222192_s_at	C2orf43	-0.29	0.02		
209583_s_at	CD200	-0.29	0.13		
201294_s_at	WSB1	-0.29	-0.01	-0.33	0.10
220702_at	---	-0.29	-0.17	-0.80	-0.57

Table S1

207564_x_at	OGT	-0.29	-0.08		
221208_s_at	C11orf61	-0.29	0.28	-0.40	0.06
220991_s_at	RNF32	-0.29	-0.04	-0.10	-0.21
221256_s_at	HDHD3	-0.29	0.00		
202535_at	FADD	-0.29	0.00		
207583_at	ABCD2	-0.29	0.21	-0.37	0.39
209642_at	BUB1	-0.29	-0.88	-0.30	-1.02
202326_at	EHMT2	-0.29	-0.48		
212387_at	TCF4	-0.29	-0.36	-0.16	-0.27
201661_s_at	ACSL3	-0.29	-0.45	-0.12	-0.39
219291_at	DTWD1	-0.29	0.29	-0.25	0.37
214719_at	SLC46A3	-0.29	-0.24		
201448_at	TIA1	-0.29	0.02		
203457_at	STX7	-0.29	-0.42	-0.22	-0.40
202398_at	AP3S2	-0.29	0.26		
204004_at	PAWR	-0.29	-0.28	-0.29	-0.42
213069_at	HEG1	-0.29	-0.31	-0.33	-0.34
203243_s_at	PDLIM5	-0.29	0.03	-0.33	0.15
220934_s_at	TMEM223	-0.29	-0.14		
203165_s_at	SLC33A1	-0.29	0.15		
220171_x_at	KIAA1704	-0.29	-0.11		
212723_at	JMJD6	-0.30	-0.37	-0.27	-0.51
202539_s_at	HMGCR	-0.30	-0.38		
32042_at	ENOX2	-0.30	0.00		
64371_at	SFRS14	-0.30	-0.24	-0.55	-0.33
210988_s_at	PRUNE	-0.30	0.16		
214933_at	CACNA1A	-0.30	-0.80	-0.26	-0.80
206976_s_at	HSPH1	-0.30	-0.29	-0.26	-0.32
219279_at	DOCK10	-0.30	-0.45	-0.23	-0.41
220466_at	CCDC15	-0.30	0.42		
212855_at	DCUN1D4	-0.30	-0.19		
209846_s_at	BTN3A2	-0.30	-0.55	-0.28	-0.46
217853_at	TNS3	-0.30	-0.11		
53202_at	C7orf25	-0.30	0.14	-0.28	0.04
203604_at	ZNF516	-0.30	-0.27	-0.06	-0.05
209805_at	PMS2	-0.30	-0.04	-0.25	-0.07
218550_s_at	LRRC20	-0.30	-0.17		
208883_at	UBR5	-0.30	-0.01		
209285_s_at	C3orf63	-0.30	-0.45	-0.34	-0.36
211825_s_at	EWSR1	-0.30	0.16	-0.20	0.17
221430_s_at	RNF146	-0.30	0.27	-0.33	0.22
218626_at	EIF4ENIF1	-0.30	-0.06	-0.39	-0.08
213455_at	FAM114A1	-0.30	-0.07	-0.32	-0.04
218703_at	SEC22A	-0.30	0.47	-0.18	0.34
203651_at	ZFYVE16	-0.30	0.45	-0.39	0.26
219596_at	THAP10	-0.30	0.45	-0.48	0.08
205269_at	LCP2	-0.30	-0.73	-0.24	-0.65
212407_at	METTL13	-0.30	-0.02		
218318_s_at	NLK	-0.30	0.04		
204028_s_at	RABGAP1	-0.30	0.11	-0.35	0.09
203169_at	RGP1	-0.30	0.14	-0.17	0.14
219924_s_at	ZMYM6	-0.30	0.03	-0.30	0.07
222041_at	DPH1	-0.30	0.21	-0.17	0.12
217503_at	STK17B	-0.30	-0.34	-0.30	-0.45
44783_s_at	HEY1	-0.30	-0.61	-0.14	-0.42

Table S1

213891_s_at	<i>TCF4</i>	-0.30	-0.43		
38241_at	<i>BTN3A3</i>	-0.30	-0.49	-0.34	-0.32
202976_s_at	<i>RHOBTB3</i>	-0.30	-0.38	-0.11	-0.13
39313_at	<i>WNK1</i>	-0.30	-0.22	-0.41	-0.38
208925_at	<i>CLDND1</i>	-0.30	0.24		
211774_s_at	<i>MMACHC</i>	-0.30	-0.06	-0.34	-0.08
221486_at	<i>ENSA</i>	-0.31	-0.27		
217792_at	<i>SNX5</i>	-0.31	-0.11	-0.41	-0.13
207231_at	<i>DZIP3</i>	-0.31	-0.07	-0.42	-0.38
206087_x_at	<i>HFE</i>	-0.31	-0.13	-0.28	-0.12
214525_x_at	<i>MLH3</i>	-0.31	-0.17	-0.32	-0.24
202240_at	<i>PLK1</i>	-0.31	-1.51	-0.32	-1.58
221638_s_at	<i>STX16</i>	-0.31	-0.08	0.00	0.29
202451_at	<i>GTF2H1</i>	-0.31	0.04	-0.31	-0.06
202068_s_at	<i>LDLR</i>	-0.31	-0.89	-0.08	-0.48
213304_at	<i>FAM179B</i>	-0.31	0.20		
205773_at	<i>CPEB3</i>	-0.31	-0.21	-0.01	-0.20
206188_at	<i>ZNF623</i>	-0.31	0.59	-0.62	0.42
214808_at	---	-0.31	0.16	-0.27	0.01
204900_x_at	<i>SAP30</i>	-0.31	-0.48		
210069_at	<i>CHKB</i>	-0.31	0.06	-0.32	0.00
204256_at	<i>ELOVL6</i>	-0.31	-0.81	-0.38	-0.51
203521_s_at	<i>ZNF318</i>	-0.31	-0.62	-0.23	-0.51
218204_s_at	<i>FYCO1</i>	-0.31	-0.15	-0.39	-0.10
219662_at	<i>C2orf49</i>	-0.31	0.10		
203556_at	<i>ZHX2</i>	-0.32	-0.53	-0.30	-0.28
202610_s_at	<i>MED14</i>	-0.32	0.14		
215942_s_at	<i>GTSE1</i>	-0.32	-0.38	-0.44	-0.76
215698_at	<i>KDM5A</i>	-0.32	0.11	-0.31	0.10
212764_at	<i>ZEB1</i>	-0.32	-0.07		
44790_s_at	<i>C13orf18</i>	-0.32	0.04	-0.41	-0.15
212642_s_at	<i>HIVEP2</i>	-0.32	-0.26	-0.35	-0.21
201929_s_at	<i>PKP4</i>	-0.32	-0.25	-0.10	-0.15
221025_x_at	<i>PUS7L</i>	-0.32	-0.06		
202679_at	<i>NPC1</i>	-0.32	-0.09		
207968_s_at	<i>MEF2C</i>	-0.32	-0.49	-0.26	-0.40
205122_at	<i>TMEFF1</i>	-0.32	-0.18	-0.21	-0.27
205039_s_at	<i>IKZF1</i>	-0.32	-0.26	-0.44	-0.37
203749_s_at	<i>RARA</i>	-0.32	-0.23	-0.07	-0.18
212780_at	<i>SOS1</i>	-0.32	0.01		
214614_at	<i>MNX1</i>	-0.32	-0.11		
209782_s_at	<i>DBP</i>	-0.32	-0.49		
213391_at	<i>DPY19L4</i>	-0.32	0.36	-0.31	0.36
205232_s_at	<i>PAFAH2</i>	-0.32	0.16	-0.17	0.13
214061_at	<i>WDR67</i>	-0.32	0.32		
220342_x_at	<i>EDEM3</i>	-0.32	0.11	-0.38	-0.14
213436_at	<i>CNR1</i>	-0.32	0.55	-0.35	0.51
211760_s_at	<i>VAMP4</i>	-0.32	-0.06	-0.31	-0.27
212760_at	<i>UBR2</i>	-0.32	0.04	-0.11	-0.06
218230_at	<i>ARFIP1</i>	-0.32	0.24	-0.36	0.18
219479_at	<i>KDELC1</i>	-0.32	0.19		
221813_at	<i>FBXO42</i>	-0.32	0.10	-0.33	0.13
210306_at	<i>L3MBTL</i>	-0.32	0.30		
220035_at	<i>NUP210</i>	-0.32	0.27	-0.21	0.10
210114_at	<i>INVS</i>	-0.32	-0.23		

Table S1

212080_at	MLL	-0.32	0.02	-0.35	-0.07
202855_s_at	SLC16A3	-0.32	-1.00		
202133_at	WWTR1	-0.33	0.02	-0.11	0.33
211202_s_at	KDM5B	-0.33	-0.17	-0.29	-0.12
211330_s_at	HFE	-0.33	-0.21		
203383_s_at	GOLGA1	-0.33	0.07	-0.26	-0.04
204170_s_at	CKS2	-0.33	-0.48	-0.40	-0.63
205467_at	CASP10	-0.33	0.20	-0.09	-0.04
40472_at	LPCAT4	-0.33	-1.10	-0.42	-1.30
219502_at	NEIL3	-0.33	0.10	-0.43	-0.08
218685_s_at	SMUG1	-0.33	0.29	-0.39	0.11
201964_at	SETX	-0.33	-0.09	-0.49	-0.47
204622_x_at	NR4A2	-0.33	-0.67	0.18	-0.18
201549_x_at	KDM5B	-0.33	-0.23	-0.06	-0.11
221497_x_at	EGLN1	-0.33	-0.67	-0.16	-0.36
203640_at	MBNL2	-0.33	-0.03		
203837_at	MAP3K5	-0.33	-0.28		
214220_s_at	ALMS1	-0.33	-0.22		
203208_s_at	MTFR1	-0.33	-0.08		
201660_at	ACSL3	-0.33	-0.39	-0.21	-0.43
221290_s_at	MUM1	-0.33	-0.48	-0.32	-0.37
218689_at	FANCF	-0.33	-0.01		
207627_s_at	TFCP2	-0.33	-0.05	-0.34	0.02
209240_at	OGT	-0.33	-0.21		
205446_s_at	ATF2	-0.33	-0.07	-0.24	0.06
204001_at	SNAPC3	-0.33	-0.17		
213888_s_at	LOC10013323	-0.34	-0.58	-0.33	-0.66
205367_at	SH2B2	-0.34	-0.35	-0.39	-0.42
209933_s_at	CD300A	-0.34	-0.79	-0.30	-0.66
203439_s_at	STC2	-0.34	-0.13		
204951_at	RHOH	-0.34	-0.30		
207606_s_at	ARHGAP12	-0.34	-0.23	-0.42	-0.21
212613_at	BTN3A2	-0.34	-0.57	-0.33	-0.59
215984_s_at	ARFRP1	-0.34	-0.19	-0.26	-0.15
202084_s_at	SEC14L1	-0.34	-0.40	-0.35	-0.38
203482_at	FAM178A	-0.34	0.08		
212615_at	CHD9	-0.34	0.20	-0.12	0.36
205046_at	CENPE	-0.34	-1.03	-0.31	-1.39
212758_s_at	ZEB1	-0.34	-0.07		
201218_at	CTBP2	-0.34	0.09		
211040_x_at	GTSE1	-0.34	-0.32	-0.34	-0.55
205240_at	GPSM2	-0.34	-0.40	-0.41	-0.55
202622_s_at	ATXN2	-0.34	-0.04	-0.33	0.05
209435_s_at	ARHGEF2	-0.34	-0.18	-0.40	-0.33
213848_at	DUSP7	-0.34	-0.09	-0.44	-0.28
202870_s_at	CDC20	-0.34	-1.29	-0.42	-1.81
209741_x_at	SCAPER	-0.34	-0.15		
219821_s_at	GFOD1	-0.34	-0.58	-0.30	-0.44
211115_x_at	SIP1	-0.34	-0.12		
219730_at	MED18	-0.34	0.00		
204068_at	STK3	-0.35	-0.07		
203232_s_at	ATXN1	-0.35	-0.37	-0.42	-0.34
219471_at	C13orf18	-0.35	-0.03		
204676_at	TMEM186	-0.35	-0.04	-0.30	-0.07
222239_s_at	INTS6	-0.35	0.09	-0.48	0.06

Table S1

217216_x_at	<i>MLH3</i>	-0.35	-0.15	-0.35	-0.13
202050_s_at	<i>ZMYM4</i>	-0.35	0.10		
221904_at	<i>FAM131A</i>	-0.35	-0.13		
205371_s_at	<i>DBT</i>	-0.35	0.31	-0.42	0.24
220661_s_at	<i>ZNF692</i>	-0.35	-0.05	-0.33	-0.09
212722_s_at	<i>JMJD6</i>	-0.35	-0.41	-0.26	-0.30
220252_x_at	<i>CXorf21</i>	-0.35	0.09	-0.48	-0.12
212911_at	<i>DNAJC16</i>	-0.35	0.18	-0.47	0.13
220183_s_at	<i>NUDT6</i>	-0.35	0.03	-0.38	0.07
217122_s_at	<i>RP11-345P4.4</i>	-0.35	0.08	-0.48	-0.08
202006_at	<i>PTPN12</i>	-0.35	-0.32		
205884_at	<i>ITGA4</i>	-0.35	-0.85	-0.36	-0.82
213596_at	<i>CASP4</i>	-0.35	-0.15	-0.05	0.02
212910_at	<i>THAP11</i>	-0.35	0.01		
206181_at	<i>SLAMF1</i>	-0.35	0.03		
213331_s_at	<i>NEK1</i>	-0.36	-0.03		
222139_at	<i>KIAA1466</i>	-0.36	-0.06	-0.18	0.00
203988_s_at	<i>FUT8</i>	-0.36	-0.10		
218532_s_at	<i>FAM134B</i>	-0.36	0.21	0.01	0.32
215011_at	<i>SNHG3</i>	-0.36	-0.27		
204576_s_at	<i>CLUAP1</i>	-0.36	0.20		
222369_at	<i>NAT11</i>	-0.36	0.24		
204453_at	<i>ZNF84</i>	-0.36	-0.11	-0.55	-0.12
205945_at	<i>IL6R</i>	-0.36	-0.11	-0.53	-0.49
213074_at	<i>PHIP</i>	-0.36	0.12	-0.37	-0.03
209112_at	<i>CDKN1B</i>	-0.36	0.03		
219062_s_at	<i>ZCCHC2</i>	-0.36	0.00	-0.25	-0.25
212077_at	<i>CALD1</i>	-0.36	0.13		
220145_at	<i>MAP9</i>	-0.36	0.07	-0.31	-0.02
205607_s_at	<i>SCYL3</i>	-0.36	0.23	-0.33	0.15
207590_s_at	<i>CENPI</i>	-0.36	-0.27	-0.30	-0.43
218263_s_at	<i>ZBED5</i>	-0.36	0.09		
40359_at	<i>RASSF7</i>	-0.36	-0.15		
210786_s_at	<i>FLI1</i>	-0.36	0.31	-0.22	0.45
212192_at	<i>KCTD12</i>	-0.36	-0.72	-0.27	-0.50
212746_s_at	<i>CEP170</i>	-0.36	-0.17	-0.32	-0.13
212979_s_at	<i>FAM115A</i>	-0.36	0.17	-0.37	0.13
220926_s_at	<i>EDEM3</i>	-0.36	0.06	-0.37	-0.24
220955_x_at	<i>RAB23</i>	-0.37	0.61		
220943_s_at	<i>C2orf56</i>	-0.37	-0.32	-0.36	-0.35
219441_s_at	<i>LRRK1</i>	-0.37	-0.24	-0.22	-0.23
218414_s_at	<i>NDE1</i>	-0.37	0.07	-0.41	-0.04
214004_s_at	<i>VGLL4</i>	-0.37	-0.39	-0.15	-0.26
219032_x_at	<i>OPN3</i>	-0.37	-0.37		
205585_at	<i>ETV6</i>	-0.37	0.20	-0.36	0.13
212774_at	<i>ZNF238</i>	-0.37	0.05		
218999_at	<i>TMEM140</i>	-0.37	-0.27	-0.18	-0.20
204352_at	<i>TRAF5</i>	-0.37	-0.72	-0.54	-0.73
205408_at	<i>MLLT10</i>	-0.37	-0.15	-0.31	-0.17
218397_at	<i>FANCL</i>	-0.37	-0.06		
210465_s_at	<i>SNAPC3</i>	-0.37	-0.30	-0.25	-0.09
218819_at	<i>INTS6</i>	-0.37	0.15	-0.48	0.05
205063_at	<i>SIP1</i>	-0.37	-0.19		
206618_at	<i>IL18R1</i>	-0.37	-0.32	-0.27	-0.38
213449_at	<i>POP1</i>	-0.37	0.07	-0.32	0.03

Table S1

51228_at	<i>RBM12B</i>	-0.37	0.43	-0.20	0.35
218452_at	<i>SMARCA1</i>	-0.37	-0.19	-0.49	-0.33
209586_s_at	<i>PRUNE</i>	-0.37	0.23	-0.44	0.09
212984_at	<i>ATF2</i>	-0.38	-0.11		
202887_s_at	<i>DDIT4</i>	-0.38	0.38	-0.25	0.71
201193_at	<i>IDH1</i>	-0.38	-0.50		
222111_at	<i>FAM63B</i>	-0.38	0.00	-0.38	-0.07
205842_s_at	<i>JAK2</i>	-0.38	0.19	-0.35	0.09
208952_s_at	<i>LARP5</i>	-0.38	-0.04		
202856_s_at	<i>SLC16A3</i>	-0.38	-1.13	-0.23	-0.17
203739_at	<i>ZNF217</i>	-0.38	-0.15		
202319_at	<i>SENP6</i>	-0.38	0.28	-0.20	0.11
210944_s_at	<i>CAPN3</i>	-0.38	0.08	-0.40	-0.11
220305_at	<i>MAVS</i>	-0.38	0.23	-0.45	0.07
206860_s_at	<i>MIOS</i>	-0.38	-0.46		
203179_at	<i>GALT</i>	-0.38	-0.14		
208056_s_at	<i>CBFA2T3</i>	-0.38	-0.20	-0.45	-0.20
219284_at	<i>HSPBAP1</i>	-0.38	0.38	-0.38	0.24
203741_s_at	<i>ADCY7</i>	-0.38	-0.35	-0.43	-0.31
208144_s_at	---	-0.38	0.13		
207543_s_at	<i>P4HA1</i>	-0.38	-1.04		
215649_s_at	<i>MVK</i>	-0.38	-0.39	-0.30	-0.07
209815_at	<i>PTCH1</i>	-0.38	-0.48	-0.16	-0.32
204308_s_at	<i>TECPR2</i>	-0.38	0.38		
219375_at	<i>CEPT1</i>	-0.39	0.20		
208953_at	<i>LARP5</i>	-0.39	-0.08		
207629_s_at	<i>ARHGEF2</i>	-0.39	-0.29	-0.27	-0.24
212714_at	<i>LARP4</i>	-0.39	0.08		
210053_at	<i>TAF5</i>	-0.39	0.01		
213239_at	<i>PIBF1</i>	-0.39	-0.27		
212990_at	<i>SYNJ1</i>	-0.39	0.33	-0.33	0.24
213775_x_at	<i>ZNF638</i>	-0.39	0.10		
221103_s_at	<i>WDR52</i>	-0.39	0.20	-0.29	0.15
204350_s_at	<i>MED7</i>	-0.39	-0.09		
212840_at	<i>UBXN7</i>	-0.39	-0.09		
219538_at	<i>WDR5B</i>	-0.39	0.35	-0.33	0.29
209565_at	<i>RNF113A</i>	-0.39	-0.16		
221586_s_at	<i>E2F5</i>	-0.39	-0.21	-0.29	-0.13
205140_at	<i>FPGT</i>	-0.39	0.09		
218147_s_at	<i>GLT8D1</i>	-0.39	0.01	-0.40	-0.25
220735_s_at	<i>SENP7</i>	-0.39	-0.27		
208986_at	<i>TCF12</i>	-0.39	0.07		
208744_x_at	<i>HSPH1</i>	-0.39	-0.31	-0.28	-0.20
219133_at	<i>OXSM</i>	-0.39	0.04		
213698_at	<i>ZMYM6</i>	-0.39	0.00	-0.32	0.08
205584_at	<i>ALG13</i>	-0.39	-0.36	-0.18	-0.21
218490_s_at	<i>ZNF302</i>	-0.39	0.20	-0.42	0.21
210821_x_at	<i>CENPA</i>	-0.39	-0.58	-0.35	-0.64
213355_at	<i>ST3GAL6</i>	-0.39	-0.19		
209672_s_at	<i>MIOS</i>	-0.39	-0.44	-0.36	-0.36
213070_at	<i>PIK3C2A</i>	-0.40	0.19		
204834_at	<i>FGL2</i>	-0.40	-0.18	-0.18	-0.19
219012_s_at	<i>C11orf30</i>	-0.40	0.17		
213117_at	<i>KLHL9</i>	-0.40	-0.07	-0.25	-0.05
209760_at	<i>KIAA0922</i>	-0.40	-0.03	-0.41	-0.05

Table S1

219467_at	<i>GIN1</i>	-0.40	0.15	-0.29	0.15
218146_at	<i>GLT8D1</i>	-0.40	0.03	-0.35	-0.22
202677_at	<i>RASA1</i>	-0.40	-0.06	-0.36	-0.16
213375_s_at	<i>N4BP2L1</i>	-0.40	0.19	-0.24	0.28
216863_s_at	<i>MORC2</i>	-0.40	-0.22	-0.41	-0.25
215111_s_at	<i>TSC22D1</i>	-0.40	0.04	-0.39	-0.08
205903_s_at	<i>KCNN3</i>	-0.40	0.56	-0.31	0.70
213474_at	<i>KCTD7</i>	-0.40	-0.09		
219164_s_at	<i>ATG2B</i>	-0.40	0.17		
205167_s_at	<i>CDC25C</i>	-0.40	-0.16	-0.47	-0.40
219918_s_at	<i>ASPM</i>	-0.41	-0.90	-0.45	-1.17
209884_s_at	<i>SLC4A7</i>	-0.41	-0.53	-0.20	-0.47
219280_at	<i>BRWD1</i>	-0.41	0.25	-0.37	0.39
211272_s_at	<i>DGKA</i>	-0.41	0.07		
201735_s_at	<i>CLCN3</i>	-0.41	0.33	-0.37	0.33
211724_x_at	<i>MIOS</i>	-0.41	-0.45		
205930_at	<i>GTF2E1</i>	-0.41	-0.05	-0.45	-0.13
203947_at	<i>CSTF3</i>	-0.41	0.48	-0.45	0.66
218009_s_at	<i>PRC1</i>	-0.41	-0.57	-0.49	-0.80
209135_at	<i>ASPH</i>	-0.41	-0.43		
204826_at	<i>CCNF</i>	-0.41	-0.37	-0.61	-0.61
202631_s_at	<i>APPBP2</i>	-0.41	0.20	-0.51	0.05
218149_s_at	<i>ZNF395</i>	-0.41	-1.33	-0.21	-0.66
215985_at	<i>NCRNA00171</i>	-0.42	0.20	-0.42	0.12
215364_s_at	<i>KIAA0467</i>	-0.42	-0.01	-0.37	-0.22
204853_at	<i>ORC2L</i>	-0.42	-0.21		
202594_at	<i>LEPROTL1</i>	-0.42	-0.03	-0.38	-0.06
205092_x_at	<i>ZBTB1</i>	-0.42	0.22	-0.39	0.38
221750_at	<i>HMGCS1</i>	-0.42	-0.48		
34031_i_at	<i>KRIT1</i>	-0.42	0.16	-0.46	0.05
222286_at	<i>SNAPC3</i>	-0.42	-0.24	-0.42	-0.14
216713_at	<i>KRIT1</i>	-0.42	0.09	-0.37	0.05
210621_s_at	<i>RASA1</i>	-0.42	-0.03	-0.40	-0.08
219644_at	<i>CCDC41</i>	-0.42	0.27	-0.37	0.20
219234_x_at	<i>SCRN3</i>	-0.42	0.21		
205222_at	<i>EHHADH</i>	-0.42	-0.02	-0.41	0.23
202220_at	<i>KIAA0907</i>	-0.42	0.12		
211063_s_at	<i>NCK1</i>	-0.42	-0.18	-0.50	-0.27
220195_at	<i>MBD5</i>	-0.42	-0.28		
209200_at	<i>MEF2C</i>	-0.42	-0.55	-0.52	-0.69
212513_s_at	<i>USP33</i>	-0.42	-0.08	-0.46	-0.20
218423_x_at	<i>VPS54</i>	-0.42	-0.08		
206729_at	<i>TNFRSF8</i>	-0.42	-0.38	-0.53	-0.60
212631_at	<i>STX7</i>	-0.42	-0.53	-0.31	-0.64
206364_at	<i>KIF14</i>	-0.43	-0.71	-0.43	-0.94
222148_s_at	<i>RHOT1</i>	-0.43	-0.12		
204986_s_at	<i>TAOK2</i>	-0.43	0.06		
203410_at	<i>AP3M2</i>	-0.43	-0.37	-0.33	-0.42
218458_at	<i>GMCL1</i>	-0.43	0.06		
206613_s_at	<i>TAF1A</i>	-0.43	-0.13	-0.55	-0.31
220577_at	<i>GVIN1</i>	-0.43	-0.16	-0.47	-0.20
209778_at	<i>TRIP11</i>	-0.43	0.09	-0.45	0.04
211559_s_at	<i>CCNG2</i>	-0.43	-0.36		
210387_at	<i>HIST1H2BG</i>	-0.44	0.16	-0.77	-0.43
213929_at	<i>EXPH5</i>	-0.44	-0.53	-0.33	-0.28

Table S1

220169_at	<i>TMEM156</i>	-0.44	-0.42	-0.49	-0.33
218209_s_at	<i>RPRD1A</i>	-0.44	-0.02	-0.32	-0.04
204349_at	<i>MED7</i>	-0.44	-0.09	-0.40	-0.12
210111_s_at	<i>KLHDC10</i>	-0.44	0.04	-0.51	-0.12
219421_at	<i>TTC33</i>	-0.44	0.28	-0.27	0.34
219800_s_at	<i>THNSL1</i>	-0.44	0.07	-0.38	0.03
210942_s_at	<i>ST3GAL6</i>	-0.44	-0.30	-0.16	-0.14
212981_s_at	<i>FAM115A</i>	-0.44	0.17	-0.43	0.19
217841_s_at	<i>PPME1</i>	-0.45	-0.28	-0.34	-0.16
204709_s_at	<i>KIF23</i>	-0.45	-0.70	-0.52	-1.02
203817_at	<i>GUCY1B3</i>	-0.45	-0.57	-0.34	-0.47
212875_s_at	<i>C2CD2</i>	-0.45	-0.15	-0.53	-0.02
209265_s_at	<i>METTL3</i>	-0.45	-0.11	-0.29	-0.05
204020_at	<i>PURA</i>	-0.45	0.16		
213959_s_at	<i>RPGRIP1L</i>	-0.45	-0.17	-0.45	-0.41
207178_s_at	<i>FRK</i>	-0.45	0.44	-0.20	0.47
219583_s_at	<i>SPATA7</i>	-0.45	0.52		
221258_s_at	<i>KIF18A</i>	-0.45	-0.36	-0.51	-0.68
218904_s_at	<i>C9orf40</i>	-0.46	0.05	-0.49	-0.02
213065_at	<i>ZFC3H1</i>	-0.46	-0.10		
213664_at	<i>SLC1A1</i>	-0.46	-0.35	-0.48	-0.33
201295_s_at	<i>WSB1</i>	-0.46	0.00	-0.10	0.44
221770_at	<i>RPE</i>	-0.46	-0.12	-0.30	-0.05
204201_s_at	<i>PTPN13</i>	-0.46	-0.06	-0.41	-0.07
205484_at	<i>SIT1</i>	-0.46	-0.98		
218323_at	<i>RHOT1</i>	-0.46	-0.18		
205518_s_at	<i>CMAH</i>	-0.46	-0.39	-0.40	-0.54
209770_at	<i>BTN3A1</i>	-0.46	-0.43	-0.28	-0.28
215338_s_at	<i>NKTR</i>	-0.46	0.19	-0.33	-0.06
219345_at	<i>BOLA1</i>	-0.47	0.11	-0.31	0.15
213167_s_at	<i>SLC5A3</i>	-0.47	0.19		
219683_at	<i>FZD3</i>	-0.47	-0.26	-0.29	-0.17
220159_at	<i>ABCA11P</i>	-0.47	0.33	-0.52	0.13
203518_at	<i>LYST</i>	-0.47	0.30	-0.44	0.26
214804_at	<i>CENPI</i>	-0.48	-0.29	-0.41	-0.35
202051_s_at	<i>ZMYM4</i>	-0.48	0.10	-0.44	0.00
219446_at	<i>RIC8B</i>	-0.48	0.06	-0.39	0.24
212548_s_at	<i>FRYL</i>	-0.48	-0.04		
203755_at	<i>BUB1B</i>	-0.49	-0.48	-0.41	-0.57
208055_s_at	<i>HERC4</i>	-0.49	-0.28	-0.35	-0.20
220066_at	<i>NOD2</i>	-0.49	-0.28	-0.35	-0.12
205811_at	<i>POLG2</i>	-0.49	-0.02	-0.44	0.06
210136_at	<i>MBP</i>	-0.49	-0.40	-0.45	-0.49
202973_x_at	<i>FAM13A</i>	-0.49	-0.41		
217047_s_at	<i>FAM13A</i>	-0.49	-0.43		
212632_at	<i>STX7</i>	-0.50	-0.53	-0.46	-0.69
219544_at	<i>C13orf34</i>	-0.50	-0.42	-0.60	-0.63
212517_at	<i>ATRN</i>	-0.50	0.14	-0.38	0.24
219166_at	<i>C14orf104</i>	-0.50	-0.25	-0.41	-0.23
213164_at	<i>SLC5A3</i>	-0.50	0.13	-0.38	0.17
214467_at	<i>GPR65</i>	-0.50	-0.48	-0.25	-0.39
219777_at	<i>GIMAP6</i>	-0.50	0.09	-0.58	-0.18
204236_at	<i>FLI1</i>	-0.50	0.32	-0.34	0.32
219123_at	<i>ZNF232</i>	-0.51	-0.02	-0.51	-0.03
201548_s_at	<i>KDM5B</i>	-0.51	0.01	-0.35	0.05

Table S1

221740_x_at	<i>LRRC37A2</i>	-0.51	-0.12	-0.39	-0.14
204005_s_at	<i>PAWR</i>	-0.51	-0.19	-0.34	-0.01
206039_at	<i>RAB33A</i>	-0.51	-0.66	-0.45	-0.50
219363_s_at	<i>MTERFD1</i>	-0.51	-0.19		
221081_s_at	<i>DENND2D</i>	-0.51	0.04	-0.60	-0.06
221922_at	<i>GPSM2</i>	-0.51	-0.31	-0.41	-0.26
209827_s_at	<i>IL16</i>	-0.51	-0.60	-0.58	-0.60
218303_x_at	<i>KRCC1</i>	-0.51	0.44	-0.63	0.37
219834_at	<i>ALS2CR8</i>	-0.51	0.20	-0.37	0.13
206451_at	<i>TBCCD1</i>	-0.51	0.31	-0.54	0.11
205038_at	<i>IKZF1</i>	-0.51	-0.33	-0.37	-0.30
217627_at	<i>ZNF573</i>	-0.51	0.07	-0.59	-0.07
213679_at	<i>TTC30A</i>	-0.52	-0.22	-0.39	-0.05
212614_at	<i>ARID5B</i>	-0.52	-0.32	-0.39	-0.16
213906_at	<i>MYBL1</i>	-0.52	0.58	-0.33	0.36
209943_at	<i>FBXL4</i>	-0.52	-0.01	-0.46	0.07
202797_at	<i>SACM1L</i>	-0.52	-0.11	-0.53	-0.21
221679_s_at	<i>ABHD6</i>	-0.52	-0.34	-0.47	-0.06
202049_s_at	<i>ZMYM4</i>	-0.53	0.12	-0.54	0.05
204774_at	<i>EVI2A</i>	-0.53	-0.75	-0.33	-0.65
220459_at	<i>MCM3APAS</i>	-0.54	-0.29		
212851_at	<i>DCUN1D4</i>	-0.54	0.05	-0.58	0.08
206115_at	<i>EGR3</i>	-0.54	-1.04	-0.15	-0.58
212747_at	<i>ANKS1A</i>	-0.55	-0.05	-0.58	-0.06
64418_at	<i>AP1GBP1</i>	-0.55	-0.13	-0.58	-0.33
213351_s_at	<i>TMCC1</i>	-0.55	0.00		
218726_at	<i>HJURP</i>	-0.55	-0.44	-0.75	-0.71
45288_at	<i>ABHD6</i>	-0.55	-0.39	-0.55	-0.37
219221_at	<i>ZBTB38</i>	-0.55	-0.36	-0.63	-0.39
207103_at	<i>KCND2</i>	-0.55	-0.34	-0.43	-0.24
205443_at	<i>SNAPC1</i>	-0.55	-0.19	-0.39	-0.12
202540_s_at	<i>HMGCR</i>	-0.56	-0.33	-0.46	-0.10
57715_at	<i>CALHM2</i>	-0.56	0.36	-0.50	0.48
201694_s_at	<i>EGR1</i>	-0.56	-0.85	-0.38	-1.19
213352_at	<i>TMCC1</i>	-0.56	-0.07		
220992_s_at	<i>C1orf25</i>	-0.57	0.16	-0.49	0.12
213689_x_at	<i>FAM69A</i>	-0.57	-0.36	-0.45	-0.47
205659_at	<i>HDAC9</i>	-0.57	-0.17	-0.45	-0.06
215767_at	<i>ZNF804A</i>	-0.57	-0.32	-0.65	-0.43
205098_at	<i>CCR1</i>	-0.57	-0.81	-0.66	-0.76
213410_at	<i>C10orf137</i>	-0.57	-0.25	-0.54	-0.40
220118_at	<i>ZBTB32</i>	-0.58	-0.68	-0.63	-0.62
206925_at	<i>ST8SIA4</i>	-0.58	-0.28	-0.66	-0.24
203306_s_at	<i>SLC35A1</i>	-0.59	0.35	-0.52	0.24
203823_at	<i>RGS3</i>	-0.59	-0.28		
213172_at	<i>TTC9</i>	-0.59	-0.04	-0.52	-0.33
204859_s_at	<i>APAF1</i>	-0.59	0.81	-0.51	0.78
218361_at	<i>GOLPH3L</i>	-0.59	0.14	-0.53	0.10
209146_at	<i>SC4MOL</i>	-0.59	-0.32	-0.42	-0.06
202951_at	<i>STK38</i>	-0.61	0.22	-0.67	-0.08
202581_at	<i>HSPA1A</i>	-0.61	0.50	-0.51	0.04
204838_s_at	<i>MLH3</i>	-0.61	-0.36	-0.46	-0.22
212944_at	<i>SLC5A3</i>	-0.61	0.14	-0.49	0.13
206983_at	<i>CCR6</i>	-0.61	-1.11	-0.58	-0.85
212689_s_at	<i>KDM3A</i>	-0.61	-1.14	-0.07	-0.48

Table S1

205902_at	KCNN3	-0.61	0.65	-0.44	0.72
213238_at	ATP10D	-0.61	-0.20	-0.60	-0.23
216044_x_at	FAM69A	-0.62	-0.47	-0.48	-0.59
203685_at	BCL2	-0.62	0.01	-0.66	0.16
213677_s_at	PMS1	-0.62	-0.17	-0.53	-0.18
202770_s_at	CCNG2	-0.62	-0.55	-0.22	-0.03
213349_at	TMCC1	-0.63	-0.16	-0.51	-0.18
217317_s_at	HERC2P2	-0.63	-0.06	-0.68	-0.27
203956_at	MORC2	-0.63	-0.23	-0.54	-0.31
206734_at	JRKL	-0.64	-0.05	-0.51	-0.14
205841_at	JAK2	-0.65	0.14	-0.39	0.24
202372_at	RAB3GAP2	-0.66	0.07	-0.47	0.15
210145_at	PLA2G4A	-0.66	-0.30	-0.51	-0.25
204092_s_at	AURKA	-0.66	-0.75	-0.78	-1.04
208524_at	GPR15	-0.66	-0.24		
221031_s_at	APOLD1	-0.67	0.27		
219487_at	BBS10	-0.68	0.24	-0.60	0.11
221213_s_at	ZNF280D	-0.69	0.13	-0.86	-0.13
219274_at	TSPAN12	-0.69	-0.08	-0.60	-0.16
213694_at	RSBN1	-0.70	-0.28	-0.52	-0.28
218507_at	C7orf68	-0.70	-0.73		
221203_s_at	YEATS2	-0.72	-0.24	-0.63	-0.12
219870_at	ATF7IP2	-0.73	0.24	-0.61	-0.10
204962_s_at	CENPA	-0.73	-1.05	-0.87	-1.39
212399_s_at	VGLL4	-0.73	-0.68	-0.41	-0.42
218755_at	KIF20A	-0.73	-0.76	-0.82	-1.21
219494_at	RAD54B	-0.73	-0.03	-0.52	0.00
215054_at	EPOR	-0.74	-0.07	-0.78	-0.15
208079_s_at	AURKA	-0.74	-0.92	-0.92	-1.40
201896_s_at	PSRC1	-0.75	-1.19	-0.67	-1.26
37986_at	EPOR	-0.76	-0.03	-0.72	-0.16
220295_x_at	DEPDC1	-0.77	-0.85	-0.77	-1.11
202769_at	CCNG2	-0.80	-0.61	-0.19	-0.15
213269_at	ZNF248	-0.81	-0.10	-0.55	0.01
200799_at	HSPA1A	-0.81	-0.20	-0.55	-0.36
218370_s_at	S100PBP	-0.82	-0.10	-0.94	-0.31
202912_at	ADM	-0.83	-0.49	-0.43	-0.08
219966_x_at	BANP	-0.84	0.12	-0.47	0.16
212565_at	STK38L	-0.85	-0.37	-0.69	-0.43
209829_at	FAM65B	-0.87	-0.58	-0.87	-0.80
209566_at	INSIG2	-0.89	-0.68	-0.40	-0.16
219497_s_at	BCL11A	-0.93	-0.28	-0.95	-0.47
200800_s_at	HSPA1A	-0.93	0.08	-0.56	0.00
219371_s_at	KLF2	-0.94	-0.95	-1.14	-1.29
222088_s_at	SLC2A14	-0.95	-0.83	-0.55	-0.43
220770_s_at	C5orf54	-1.09	0.49	-1.26	0.39
209828_s_at	IL16	-1.12	-0.54		
202498_s_at	SLC2A3	-1.14	-0.99	-0.65	-0.51
202499_s_at	SLC2A3	-1.46	-1.18	-0.58	-0.61

Table S2: Genes whose expression response correlate with relative caspase 3/7 activity at 2 and/or 6 hrs following radiation.

Affymetrix ID	Gene	Gene Title	2hr		6hr	
			correlation coeff	p value	correlation coeff	p value
204601_at	<i>N4BP1</i>	NEDD4 binding protein 1	-0.35	0	-0.19	0.06
209829_at	<i>FAM65B</i>	"family with sequence similarity 65, member B"	-0.34	0.001	-0.17	0.093
214716_at	<i>BMP2K</i>	BMP2 inducible kinase	-0.33	0.001	-0.02	0.844
209544_at	<i>RIPK2</i>	receptor-interacting serine-threonine kinase 2	-0.32	0.001	-0.17	0.093
219123_at	<i>ZNF232</i>	zinc finger protein 232	-0.32	0.001	-0.08	0.431
211612_s_at	<i>IL13RA1</i>	"interleukin 13 receptor, alpha 1"	-0.31	0.002	-0.08	0.431
220987_s_at	<i>C11orf17</i>	"chromosome 11 open reading frame 17 /// NUA family, SNF1-like kinase, 2"	-0.3	0.003	-0.2	0.047
219448_at	<i>TMEM70</i>	transmembrane protein 70	-0.3	0.003	-0.12	0.237
218230_at	<i>ARFIP1</i>	ADP-ribosylation factor interacting protein 1	-0.29	0.004	-0.14	0.167
212675_s_at	<i>CEP68</i>	centrosomal protein 68kDa	-0.29	0.004	-0.12	0.237
219284_at	<i>HSPBAP1</i>	HSPB (heat shock 27kDa) associated protein 1	-0.29	0.004	-0.1	0.325
220121_at	<i>LINS1</i>	lines homolog 1 (Drosophila)	-0.29	0.004	-0.05	0.623
203739_at	<i>ZNF217</i>	zinc finger protein 217	-0.29	0.004	0	1
219972_s_at	<i>C14orf135</i>	chromosome 14 open reading frame 135	-0.28	0.005	-0.22	0.029
214569_at	<i>IFNA5</i>	"interferon, alpha 5"	-0.28	0.005	-0.15	0.138
209148_at	<i>RXRβ</i>	"retinoid X receptor, beta"	-0.28	0.005	-0.14	0.167
219274_at	<i>TSPAN12</i>	tetraspanin 12	-0.28	0.005	-0.07	0.491
219546_at	<i>BMP2K</i>	BMP2 inducible kinase	-0.27	0.007	-0.26	0.009
219512_at	<i>DSN1</i>	"DSN1, MIND kinetochore complex component, homolog (S. cerevisiae)"	-0.27	0.007	-0.23	0.022
212981_s_at	<i>FAM115A</i>	"family with sequence similarity 115, member A"	-0.27	0.007	-0.15	0.138
205978_at	<i>KL</i>	klotho	-0.27	0.007	-0.08	0.431
219446_at	<i>RIC8B</i>	resistance to inhibitors of cholinesterase 8 homolog B (C. elegans)	-0.27	0.007	-0.07	0.491
204001_at	<i>SNAPC3</i>	"small nuclear RNA activating complex, polypeptide 3, 50kDa"	-0.27	0.007	-0.06	0.555
203476_at	<i>TPBG</i>	trophoblast glycoprotein	-0.27	0.007	0.02	0.844
204732_s_at	<i>TRIM23</i>	tripartite motif-containing 23	-0.27	0.007	0.03	0.768
202630_at	<i>APPBP2</i>	amyloid beta precursor protein (cytoplasmic tail) binding protein 2	-0.26	0.009	-0.18	0.075
205298_s_at	<i>BTN2A2</i>	"butyrophilin, subfamily 2, member A2"	-0.26	0.009	-0.17	0.093
219617_at	<i>C2orf34</i>	chromosome 2 open reading frame 34	-0.26	0.009	-0.15	0.138
212851_at	<i>DCUN1D4</i>	"DCN1, defective in cullin neddylation 1, domain containing 4 (S. cerevisiae)"	-0.26	0.009	-0.15	0.138
212911_at	<i>DNAJC16</i>	"DnaJ (Hsp40) homolog, subfamily C, member 16"	-0.26	0.009	-0.13	0.2
215933_s_at	<i>HHEX</i>	hematopoietically expressed homeobox	-0.26	0.009	-0.09	0.376
212945_s_at	<i>MGA</i>	MAX gene associated	-0.26	0.009	-0.09	0.376
219353_at	<i>NHLRC2</i>	NHL repeat containing 2	-0.26	0.009	-0.07	0.491

Table S2

Affymetrix ID	Gene	Gene Title	correlation coeff	p value	correlation coeff	p value
213694_at	<i>RSBN1</i>	round spermatid basic protein 1	-0.26	0.009	-0.04	0.694
220169_at	<i>TMEM156</i>	transmembrane protein 156	-0.26	0.009	-0.03	0.768
213725_x_at	<i>XYLT1</i>	xylosyltransferase I	-0.26	0.009	0.11	0.278
213300_at	<i>ATG2A</i>	ATG2 autophagy related 2 homolog A (<i>S. cerevisiae</i>)	-0.25	0.013	-0.34	0.001
53202_at	<i>C7orf25</i>	chromosome 7 open reading frame 25	-0.25	0.013	-0.18	0.075
207315_at	<i>CD226</i>	CD226 molecule	-0.25	0.013	-0.12	0.237
204314_s_at	<i>CREB1</i>	cAMP responsive element binding protein 1	-0.25	0.013	-0.12	0.237
66053_at	<i>HNRNPUL2</i>	heterogeneous nuclear ribonucleoprotein U-like 2	-0.25	0.013	-0.11	0.278
201626_at	<i>INSIG1</i>	insulin induced gene 1	-0.25	0.013	-0.09	0.376
203991_s_at	<i>KDM6A</i>	lysine (K)-specific demethylase 6A	-0.25	0.013	-0.08	0.431
212233_at	<i>MAP1B</i>	microtubule-associated protein 1B	-0.25	0.013	-0.07	0.491
204020_at	<i>PURA</i>	purine-rich element binding protein A	-0.25	0.013	-0.05	0.623
210218_s_at	<i>SP100</i>	SP100 nuclear antigen	-0.25	0.013	-0.03	0.768
209938_at	<i>TADA2L</i>	"transcriptional adaptor 2 (ADA2 homolog, yeast)-like"	-0.25	0.013	0.02	0.844
221951_at	<i>TMEM80</i>	transmembrane protein 80	-0.25	0.013	0.03	0.768
201737_s_at	<i>MARCH6</i>	membrane-associated ring finger (C3HC4) 6	-0.24	0.017	-0.22	0.029
218487_at	<i>ALAD</i>	"aminolevulinate, delta-, dehydratase"	-0.24	0.017	-0.21	0.037
203410_at	<i>AP3M2</i>	"adaptor-related protein complex 3, mu 2 subunit"	-0.24	0.017	-0.18	0.075
219870_at	<i>ATF7IP2</i>	activating transcription factor 7 interacting protein 2	-0.24	0.017	-0.18	0.075
44790_s_at	<i>C13orf18</i>	"chromosome 13 open reading frame 18 /// protein phosphatase 1, regulatory (inhibitor) subunit 2 pseudogene 4"	-0.24	0.017	-0.17	0.093
212677_s_at	<i>CEP68</i>	centrosomal protein 68kDa	-0.24	0.017	-0.16	0.114
208925_at	<i>CLDN1</i>	claudin domain containing 1	-0.24	0.017	-0.14	0.167
205518_s_at	<i>CMAH</i>	cytidine monophosphate-N- acetylneuraminic acid hydroxylase (CMP-N-acetylneuraminic monooxygenase) pseudogene	-0.24	0.017	-0.12	0.237
206115_at	<i>EGR3</i>	early growth response 3	-0.24	0.017	-0.11	0.278
204236_at	<i>FLI1</i>	Friend leukemia virus integration 1	-0.24	0.017	-0.06	0.555
214186_s_at	<i>HCG26</i>	HLA complex group 26	-0.24	0.017	-0.06	0.555
201363_s_at	<i>IVNS1ABP</i>	influenza virus NS1A binding protein	-0.24	0.017	-0.05	0.623
213375_s_at	<i>N4BP2L1</i>	NEDD4 binding protein 2-like 1	-0.24	0.017	-0.04	0.694
208121_s_at	<i>PTPRO</i>	"protein tyrosine phosphatase, receptor type, O"	-0.24	0.017	-0.04	0.694
204986_s_at	<i>TAOK2</i>	TAO kinase 2	-0.24	0.017	-0.03	0.768
213679_at	<i>TTC30A</i>	tetratricopeptide repeat domain 30A	-0.24	0.017	-0.03	0.768
214218_s_at	<i>XIST</i>	X (inactive)-specific transcript (non- protein coding)	-0.24	0.017	-0.02	0.844
217663_at	<i>ZNF234</i>	zinc finger protein 234	-0.24	0.017	-0.02	0.844
212368_at	<i>ZNF292</i>	zinc finger protein 292	-0.24	0.017	0.01	0.922
204453_at	<i>ZNF84</i>	zinc finger protein 84	-0.24	0.017	0.01	0.922
64418_at	<i>AP1GBP1</i>	---	-0.23	0.022	-0.21	0.037

Table S2

Affymetrix ID	Gene	Gene Title	correlation coeff	p value	correlation coeff	p value
213156_at	MIR568	---	-0.23	0.022	-0.21	0.037
209988_s_at	ASCL1	achaete-scute complex homolog 1 (Drosophila)	-0.23	0.022	-0.19	0.06
203232_s_at	ATXN1	ataxin 1	-0.23	0.022	-0.13	0.2
219471_at	C13orf18	"chromosome 13 open reading frame 18 /// protein phosphatase 1, regulatory (inhibitor) subunit 2 pseudogene 4"	-0.23	0.022	-0.12	0.237
216060_s_at	DAAM1	dishevelled associated activator of morphogenesis 1	-0.23	0.022	-0.12	0.237
222239_s_at	INTS6	integrator complex subunit 6	-0.23	0.022	-0.11	0.278
220171_x_at	KIAA1704	KIAA1704	-0.23	0.022	-0.11	0.278
204554_at	PPP1R3D	"protein phosphatase 1, regulatory (inhibitor) subunit 3D"	-0.23	0.022	-0.1	0.325
213141_at	PSKH1	protein serine kinase H1	-0.23	0.022	-0.1	0.325
201810_s_at	SH3BP5	SH3-domain binding protein 5 (BTK-associated)	-0.23	0.022	-0.07	0.491
202235_at	SLC16A1	"solute carrier family 16, member 1 (monocarboxylic acid transporter 1)"	-0.23	0.022	-0.06	0.555
210942_s_at	ST3GAL6	"ST3 beta-galactoside alpha-2,3-sialyltransferase 6"	-0.23	0.022	-0.06	0.555
213351_s_at	TMCC1	transmembrane and coiled-coil domain family 1	-0.23	0.022	-0.04	0.694
202133_at	WWTR1	WW domain containing transcription regulator 1	-0.23	0.022	-0.01	0.922
219571_s_at	ZNF12	zinc finger protein 12	-0.23	0.022	0	1
200050_at	ZNF146	zinc finger protein 146	-0.23	0.022	0.04	0.694
219627_at	ZNF767	zinc finger family member 767	-0.23	0.022	0.04	0.694
204242_s_at	ACOX3	"acyl-Coenzyme A oxidase 3, pristanoyl"	-0.22	0.029	-0.26	0.009
203741_s_at	ADCY7	adenylate cyclase 7	-0.22	0.029	-0.2	0.047
210944_s_at	CAPN3	"calpain 3, (p94)"	-0.22	0.029	-0.18	0.075
212855_at	DCUN1D4	"DCN1, defective in cullin neddylation 1, domain containing 4 (S. cerevisiae)"	-0.22	0.029	-0.1	0.325
214734_at	EXPH5	exophilin 5	-0.22	0.029	-0.09	0.376
200799_at	HSPA1A	heat shock 70kDa protein 1A	-0.22	0.029	-0.09	0.376
219653_at	LSM14B	"LSM14B, SCD6 homolog B (S. cerevisiae)"	-0.22	0.029	-0.08	0.431
32069_at	N4BP1	NEDD4 binding protein 1	-0.22	0.029	-0.06	0.555
54051_at	PKNOX1	PBX/knotted 1 homeobox 1	-0.22	0.029	-0.05	0.623
205811_at	POLG2	"polymerase (DNA directed), gamma 2, accessory subunit"	-0.22	0.029	-0.05	0.623
217762_s_at	RAB31	"RAB31, member RAS oncogene family"	-0.22	0.029	-0.04	0.694
204407_at	TTF2	"transcription termination factor, RNA polymerase II"	-0.22	0.029	-0.03	0.768
210875_s_at	ZEB1	zinc finger E-box binding homeobox 1	-0.22	0.029	0.02	0.844
218555_at	ANAPC2	anaphase promoting complex subunit 2	-0.21	0.037	-0.22	0.029
221703_at	BRIP1	BRCA1 interacting protein C-terminal helicase 1	-0.21	0.037	-0.17	0.093
214193_s_at	C1orf107	chromosome 1 open reading frame 107	-0.21	0.037	-0.15	0.138
202769_at	CCNG2	cyclin G2	-0.21	0.037	-0.12	0.237

Table S2

Affymetrix ID	Gene	Gene Title	correlation coeff	p value	correlation coeff	p value
212975_at	<i>DENND3</i>	DENN/MADD domain containing 3	-0.21	0.037	-0.12	0.237
218854_at	<i>DSE</i>	dermatan sulfate epimerase	-0.21	0.037	-0.11	0.278
37986_at	<i>EPOR</i>	erythropoietin receptor	-0.21	0.037	-0.08	0.431
208988_at	<i>KDM2A</i>	lysine (K)-specific demethylase 2A	-0.21	0.037	-0.07	0.491
212407_at	<i>METTL13</i>	methyltransferase like 13	-0.21	0.037	-0.05	0.623
211063_s_at	<i>NCK1</i>	NCK adaptor protein 1	-0.21	0.037	-0.04	0.694
204666_s_at	<i>RP5-1000E10.4</i>	suppressor of IKK epsilon	-0.21	0.037	-0.03	0.768
206181_at	<i>SLAMF1</i>	signaling lymphocytic activation molecule family member 1	-0.21	0.037	0.02	0.844
203165_s_at	<i>SLC33A1</i>	"solute carrier family 33 (acetyl-CoA transporter), member 1"	-0.21	0.037	0.02	0.844
221213_s_at	<i>ZNF280D</i>	zinc finger protein 280D	-0.21	0.037	0.05	0.623
213926_s_at	<i>AGFG1</i>	ArfGAP with FG repeats 1	-0.2	0.047	-0.32	0.001
221031_s_at	<i>APOLD1</i>	apolipoprotein L domain containing 1	-0.2	0.047	-0.24	0.017
212984_at	<i>ATF2</i>	activating transcription factor 2	-0.2	0.047	-0.22	0.029
202872_at	<i>ATP6V1C1</i>	"ATPase, H+ transporting, lysosomal 42kDa, V1 subunit C1"	-0.2	0.047	-0.2	0.047
203685_at	<i>BCL2</i>	B-cell CLL/lymphoma 2	-0.2	0.047	-0.18	0.075
209642_at	<i>BUB1</i>	budding uninhibited by benzimidazoles 1 homolog (yeast)	-0.2	0.047	-0.17	0.093
221208_s_at	<i>C11orf61</i>	chromosome 11 open reading frame 61	-0.2	0.047	-0.16	0.114
220992_s_at	<i>C1orf25</i>	chromosome 1 open reading frame 25	-0.2	0.047	-0.16	0.114
65472_at	<i>C2orf68</i>	chromosome 2 open reading frame 68	-0.2	0.047	-0.15	0.138
209112_at	<i>CDKN1B</i>	"cyclin-dependent kinase inhibitor 1B (p27, Kip1)"	-0.2	0.047	-0.15	0.138
214787_at	<i>DENND4A</i>	DENN/MADD domain containing 4A	-0.2	0.047	-0.14	0.167
203791_at	<i>DMXL1</i>	Dmx-like 1	-0.2	0.047	-0.14	0.167
219517_at	<i>ELL3</i>	elongation factor RNA polymerase II-like 3	-0.2	0.047	-0.14	0.167
212400_at	<i>FAM102A</i>	"family with sequence similarity 102, member A"	-0.2	0.047	-0.13	0.2
218397_at	<i>FANCL</i>	"Fanconi anemia, complementation group L"	-0.2	0.047	-0.13	0.2
208869_s_at	<i>GABARAPL1</i>	GABA(A) receptor-associated protein like 1	-0.2	0.047	-0.13	0.2
218146_at	<i>GLT8D1</i>	glycosyltransferase 8 domain containing 1	-0.2	0.047	-0.13	0.2
202581_at	<i>HSPA1A</i>	heat shock 70kDa protein 1A /// heat shock 70kDa protein 1B	-0.2	0.047	-0.13	0.2
209828_s_at	<i>IL16</i>	interleukin 16 (lymphocyte chemoattractant factor)	-0.2	0.047	-0.12	0.237
201627_s_at	<i>INSIG1</i>	insulin induced gene 1	-0.2	0.047	-0.12	0.237
215698_at	<i>KDM5A</i>	lysine (K)-specific demethylase 5A	-0.2	0.047	-0.11	0.278
208953_at	<i>LARP5</i>	"La ribonucleoprotein domain family, member 5"	-0.2	0.047	-0.11	0.278
205269_at	<i>LCP2</i>	lymphocyte cytosolic protein 2 (SH2 domain containing leukocyte protein of 76kDa)	-0.2	0.047	-0.11	0.278
202594_at	<i>LEPROTL1</i>	leptin receptor overlapping transcript-like 1	-0.2	0.047	-0.1	0.325
209265_s_at	<i>METTL3</i>	methyltransferase like 3	-0.2	0.047	-0.1	0.325

Table S2

Affymetrix ID	Gene	Gene Title	correlation coeff	p value	correlation coeff	p value
221207_s_at	<i>NBEA</i>	neurobeachin	-0.2	0.047	-0.1	0.325
203352_at	<i>ORC4L</i>	"origin recognition complex, subunit 4-like (yeast)"	-0.2	0.047	-0.09	0.376
209652_s_at	<i>PGF</i>	placental growth factor	-0.2	0.047	-0.08	0.431
201215_at	<i>PLS3</i>	plastin 3 (T isoform)	-0.2	0.047	-0.08	0.431
210407_at	<i>PPM1A</i>	"protein phosphatase 1A (formerly 2C), magnesium-dependent, alpha isoform"	-0.2	0.047	-0.08	0.431
218764_at	<i>PRKCH</i>	"protein kinase C, eta"	-0.2	0.047	-0.06	0.555
217107_at	<i>RPS4X</i>	---	-0.2	0.047	-0.06	0.555
202084_s_at	<i>SEC14L1</i>	SEC14-like 1 (<i>S. cerevisiae</i>)	-0.2	0.047	-0.05	0.623
201964_at	<i>SETX</i>	senataxin	-0.2	0.047	-0.04	0.694
205187_at	<i>SMAD5</i>	SMAD family member 5	-0.2	0.047	-0.04	0.694
210465_s_at	<i>SNAPC3</i>	"small nuclear RNA activating complex, polypeptide 3, 50kDa"	-0.2	0.047	-0.03	0.768
212565_at	<i>STK38L</i>	serine/threonine kinase 38 like	-0.2	0.047	-0.03	0.768
213786_at	<i>TAX1BP1</i>	Tax1 (human T-cell leukemia virus type I) binding protein 1	-0.2	0.047	-0.02	0.844
203386_at	<i>TBC1D4</i>	"TBC1 domain family, member 4"	-0.2	0.047	-0.01	0.922
206451_at	<i>TBCCD1</i>	TBCC domain containing 1	-0.2	0.047	-0.01	0.922
208249_s_at	<i>TGDS</i>	"TDP-glucose 4,6-dehydratase"	-0.2	0.047	0.01	0.922
221744_at	<i>WDR68</i>	WD repeat domain 68	-0.2	0.047	0.02	0.844
219062_s_at	<i>ZCCHC2</i>	"zinc finger, CCHC domain containing 2"	-0.2	0.047	0.03	0.768
203603_s_at	<i>ZEB2</i>	zinc finger E-box binding homeobox 2	-0.2	0.047	0.05	0.623
213065_at	<i>ZFC3H1</i>	"zinc finger, C3H1-type containing"	-0.2	0.047	0.13	0.2
206683_at	<i>ZNF165</i>	zinc finger protein 165	-0.2	0.047	0.17	0.093
217632_at	<i>GNL3L</i>	guanine nucleotide binding protein-like 3 (nucleolar)-like	-0.19	0.06	-0.22	0.029
203819_s_at	<i>IGF2BP3</i>	insulin-like growth factor 2 mRNA binding protein 3	-0.19	0.06	-0.21	0.037
1007_s_at	<i>DDR1</i>	discoidin domain receptor tyrosine kinase 1	-0.19	0.06	-0.2	0.047
209146_at	<i>SC4MOL</i>	sterol-C4-methyl oxidase-like	-0.18	0.075	-0.29	0.004
203777_s_at	<i>RPS6KB2</i>	"ribosomal protein S6 kinase, 70kDa, polypeptide 2"	-0.18	0.075	-0.24	0.017
203956_at	<i>MORC2</i>	MORC family CW-type zinc finger 2	-0.18	0.075	-0.22	0.029
218323_at	<i>RHOT1</i>	"ras homolog gene family, member T1"	-0.18	0.075	-0.22	0.029
212492_s_at	<i>KDM4B</i>	lysine (K)-specific demethylase 4B	-0.17	0.093	-0.27	0.007
210145_at	<i>PLA2G4A</i>	"phospholipase A2, group IVA (cytosolic, calcium-dependent)"	-0.17	0.093	-0.24	0.017
201661_s_at	<i>ACSL3</i>	acyl-CoA synthetase long-chain family member 3	-0.17	0.093	-0.23	0.022
202620_s_at	<i>PLOD2</i>	"procollagen-lysine, 2-oxoglutarate 5-dioxygenase 2"	-0.17	0.093	-0.23	0.022
212514_x_at	<i>DDX3X</i>	"DEAD (Asp-Glu-Ala-Asp) box polypeptide 3, X-linked"	-0.17	0.093	-0.22	0.029
211724_x_at	<i>MIOS</i>	"missing oocyte, meiosis regulator, homolog (<i>Drosophila</i>)"	-0.17	0.093	-0.2	0.047
212631_at	<i>STX7</i>	syntaxin 7	-0.17	0.093	-0.2	0.047
203208_s_at	<i>MTFR1</i>	mitochondrial fission regulator 1	-0.16	0.114	-0.2	0.047
212632_at	<i>STX7</i>	syntaxin 7	-0.16	0.114	-0.2	0.047
203939_at	<i>NT5E</i>	"5'-nucleotidase, ecto (CD73)"	-0.15	0.138	-0.22	0.029
202951_at	<i>STK38</i>	serine/threonine kinase 38	-0.15	0.138	-0.22	0.029

Table S2

Affymetrix ID	Gene	Gene Title	correlation coeff	p value	correlation coeff	p value
215436_at	<i>HSDL2</i>	Hydroxysteroid dehydrogenase like 2	-0.15	0.138	-0.21	0.037
209473_at	<i>ENTPD1</i>	ectonucleoside triphosphate diphosphohydrolase 1	-0.14	0.167	-0.22	0.029
214857_at	<i>C10orf95</i>	---	-0.14	0.167	-0.21	0.037
205240_at	<i>GPSM2</i>	"G-protein signaling modulator 2 (AGS3-like, <i>C. elegans</i>)"	-0.14	0.167	-0.2	0.047
205191_at	<i>RP2</i>	retinitis pigmentosa 2 (X-linked recessive)	-0.14	0.167	-0.2	0.047
202540_s_at	<i>HMGCR</i>	3-hydroxy-3-methylglutaryl-Coenzyme A reductase	-0.12	0.237	-0.26	0.009
209285_s_at	<i>C3orf63</i>	chromosome 3 open reading frame 63	-0.12	0.237	-0.24	0.017
212523_s_at	<i>KIAA0146</i>	KIAA0146	-0.12	0.237	-0.22	0.029
209827_s_at	<i>IL16</i>	interleukin 16 (lymphocyte chemoattractant factor)	-0.12	0.237	-0.2	0.047
221750_at	<i>HMGCS1</i>	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1 (soluble)	-0.11	0.278	-0.24	0.017
211764_s_at	<i>UBE2D1</i>	"ubiquitin-conjugating enzyme E2D 1 (UBC4/5 homolog, yeast)"	-0.11	0.278	-0.2	0.047
204477_at	<i>RABIF</i>	RAB interacting factor	-0.1	0.325	-0.25	0.013
201625_s_at	<i>INSIG1</i>	insulin induced gene 1	-0.1	0.325	-0.23	0.022
37950_at	<i>PREP</i>	prolyl endopeptidase	-0.1	0.325	-0.22	0.029
222148_s_at	<i>RHOT1</i>	"ras homolog gene family, member T1"	-0.1	0.325	-0.2	0.047
209218_at	<i>SQLE</i>	squalene epoxidase	-0.09	0.376	-0.27	0.007
201300_s_at	<i>PRNP</i>	prion protein	-0.09	0.376	-0.22	0.029
202539_s_at	<i>HMGCR</i>	3-hydroxy-3-methylglutaryl-Coenzyme A reductase	-0.09	0.376	-0.21	0.037
208744_x_at	<i>HSPH1</i>	heat shock 105kDa/110kDa protein 1	-0.08	0.431	-0.22	0.029
38964_r_at	<i>WAS</i>	Wiskott-Aldrich syndrome (eczema- thrombocytopenia)	-0.08	0.431	-0.22	0.029
200965_s_at	<i>ABLIM1</i>	actin binding LIM protein 1	-0.08	0.431	-0.2	0.047
206515_at	<i>CYP4F3</i>	"cytochrome P450, family 4, subfamily F, polypeptide 3"	-0.08	0.431	0.2	0.047
203409_at	<i>DDB2</i>	"damage-specific DNA binding protein 2, 48kDa"	-0.08	0.431	0.2	0.047
206976_s_at	<i>HSPH1</i>	heat shock 105kDa/110kDa protein 1	-0.07	0.491	-0.22	0.029
201932_at	<i>LRRC41</i>	leucine rich repeat containing 41	-0.07	0.491	-0.22	0.029
202845_s_at	<i>RALBP1</i>	ralA binding protein 1	-0.07	0.491	-0.2	0.047
208984_x_at	<i>RBM10</i>	RNA binding motif protein 10	-0.07	0.491	-0.2	0.047
220742_s_at	<i>NGLY1</i>	N-glycanase 1	-0.06	0.555	-0.29	0.004
200862_at	<i>DHCR24</i>	24-dehydrocholesterol reductase	-0.06	0.555	-0.2	0.047
220195_at	<i>MBD5</i>	methyl-CpG binding domain protein 5	-0.05	0.623	-0.23	0.022
218209_s_at	<i>RPRD1A</i>	regulation of nuclear pre-mRNA domain containing 1A	-0.05	0.623	-0.21	0.037
213848_at	<i>DUSP7</i>	---	-0.04	0.694	-0.22	0.029
203981_s_at	<i>ABCD4</i>	"ATP-binding cassette, sub-family D (ALD), member 4"	-0.04	0.694	-0.2	0.047
204834_at	<i>FGL2</i>	fibrinogen-like 2	-0.04	0.694	0.21	0.037
204165_at	<i>WASF1</i>	"WAS protein family, member 1"	-0.03	0.768	-0.24	0.017
219032_x_at	<i>OPN3</i>	opsin 3	-0.03	0.768	-0.22	0.029
201660_at	<i>ACSL3</i>	Acyl-CoA synthetase long-chain family member 3	-0.03	0.768	-0.2	0.047

Table S2

Affymetrix ID	Gene	Gene Title	correlation coeff	p value	correlation coeff	p value
210255_at	<i>RAD51L1</i>	RAD51-like 1 (<i>S. cerevisiae</i>)	-0.03	0.768	0.2	0.047
204886_at	<i>PLK4</i>	polo-like kinase 4 (<i>Drosophila</i>)	-0.03	0.768	0.21	0.037
221211_s_at	<i>C21orf7</i>	chromosome 21 open reading frame 7	-0.03	0.768	0.22	0.029
210803_at	<i>TXNRD2</i>	thioredoxin reductase 2	-0.03	0.768	0.24	0.017
209539_at	<i>ARHGEF6</i>	Rac/Cdc42 guanine nucleotide exchange factor (GEF) 6	-0.02	0.844	-0.24	0.017
201491_at	<i>AHSA1</i>	"AHA1, activator of heat shock 90kDa protein ATPase homolog 1 (yeast)"	-0.02	0.844	-0.23	0.022
201753_s_at	<i>ADD3</i>	adducin 3 (gamma)	-0.02	0.844	-0.21	0.037
205245_at	<i>PARD6A</i>	par-6 partitioning defective 6 homolog alpha (<i>C. elegans</i>)	-0.01	0.922	-0.21	0.037
219635_at	<i>ZNF606</i>	zinc finger protein 606	-0.01	0.922	0.2	0.047
208944_at	<i>TGFR2</i>	"transforming growth factor, beta receptor II (70/80kDa)"	-0.01	0.922	0.21	0.037
204422_s_at	<i>FGF2</i>	fibroblast growth factor 2 (basic)	-0.01	0.922	0.22	0.029
213457_at	<i>MFHAS1</i>	malignant fibrous histiocytoma amplified sequence 1	-0.01	0.922	0.22	0.029
222279_at	<i>RP3-377H14.5</i>	hypothetical LOC285830	0	1	0.22	0.029
212501_at	<i>CEBPB</i>	"CCAAT/enhancer binding protein (C/EBP), beta"	0	1	0.23	0.022
204968_at	<i>C6orf47</i>	chromosome 6 open reading frame 47	0	1	0.26	0.009
202068_s_at	<i>LDLR</i>	low density lipoprotein receptor	0.01	0.922	-0.22	0.029
202738_s_at	<i>PHKB</i>	"phosphorylase kinase, beta"	0.01	0.922	-0.21	0.037
219805_at	<i>CXorf56</i>	chromosome X open reading frame 56	0.01	0.922	0.2	0.047
203946_s_at	<i>ARG2</i>	"arginase, type II"	0.02	0.844	-0.21	0.037
205847_at	<i>PRSS22</i>	"protease, serine, 22"	0.02	0.844	0.2	0.047
202449_s_at	<i>RXRA</i>	"retinoid X receptor, alpha"	0.03	0.768	0.25	0.013
219255_x_at	<i>IL17RB</i>	interleukin 17 receptor B	0.04	0.694	0.2	0.047
213010_at	<i>PRKCDP</i>	"protein kinase C, delta binding protein"	0.04	0.694	0.24	0.017
203439_s_at	<i>STC2</i>	stanniocalcin 2	0.04	0.694	0.39	0
201531_at	<i>ZFP36</i>	"zinc finger protein 36, C3H type, homolog (mouse)"	0.05	0.623	-0.22	0.029
217127_at	<i>CTH</i>	cystathionase (cystathionine gamma-lyase)	0.05	0.623	0.23	0.022
211416_x_at	<i>GGTLC1</i>	gamma-glutamyltransferase light chain 1	0.05	0.623	0.23	0.022
216177_at	<i>LOC391132</i>	similar to hCG2041276	0.05	0.623	0.23	0.022
217678_at	<i>SLC7A11</i>	"solute carrier family 7, (cationic amino acid transporter, y+ system) member 11"	0.05	0.623	0.23	0.022
209636_at	<i>NFKB2</i>	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2 (p49/p100)	0.06	0.555	0.2	0.047
222156_x_at	<i>CCPG1</i>	cell cycle progression 1	0.06	0.555	0.22	0.029
217501_at	<i>CIAO1</i>	cytosolic iron-sulfur protein assembly 1 homolog (<i>S. cerevisiae</i>)	0.06	0.555	0.22	0.029
213004_at	<i>ANGPTL2</i>	angiopoietin-like 2	0.06	0.555	0.23	0.022
218634_at	<i>PHLDA3</i>	"pleckstrin homology-like domain, family A, member 3"	0.06	0.555	0.24	0.017
212503_s_at	<i>DIP2C</i>	DIP2 disco-interacting protein 2 homolog C (<i>Drosophila</i>)	0.07	0.491	0.24	0.017

Table S2

Affymetrix ID	Gene	Gene Title	correlation coeff	p value	correlation coeff	p value
220476_s_at	<i>C1orf183</i>	chromosome 1 open reading frame 183	0.07	0.491	0.25	0.013
212473_s_at	<i>MICAL2</i>	"microtubule associated monooxygenase, calponin and LIM domain containing 2"	0.07	0.491	0.25	0.013
222376_at	<i>HACE1</i>	---	0.08	0.431	0.2	0.047
217191_x_at	<i>COX6CP1</i>	---	0.08	0.431	0.21	0.037
206085_s_at	<i>CTH</i>	cystathionase (cystathionine gamma-lyase)	0.08	0.431	0.26	0.009
213951_s_at	<i>PSMC3IP</i>	PSMC3 interacting protein	0.08	0.431	0.29	0.004
208284_x_at	<i>GGT1</i>	gamma-glutamyltransferase 1	0.09	0.376	0.2	0.047
219258_at	<i>TIPIN</i>	TIMELESS interacting protein	0.09	0.376	0.21	0.037
76897_s_at	<i>FKBP15</i>	"FK506 binding protein 15, 133kDa"	0.09	0.376	0.22	0.029
222062_at	<i>IL27RA</i>	"interleukin 27 receptor, alpha"	0.09	0.376	0.25	0.013
206257_at	<i>CCDC9</i>	coiled-coil domain containing 9	0.09	0.376	0.27	0.007
209921_at	<i>SLC7A11</i>	"solute carrier family 7, (cationic amino acid transporter, y+ system) member 11"	0.09	0.376	0.28	0.005
213454_at	<i>APITD1</i>	"apoptosis-inducing, TAF9-like domain 1"	0.1	0.325	0.2	0.047
217047_s_at	<i>FAM13A</i>	"family with sequence similarity 13, member A"	0.1	0.325	0.2	0.047
219119_at	<i>LSM8</i>	"LSM8 homolog, U6 small nuclear RNA associated (S. cerevisiae)"	0.1	0.325	0.2	0.047
204015_s_at	<i>DUSP4</i>	dual specificity phosphatase 4	0.1	0.325	0.21	0.037
222164_at	<i>FGFR1</i>	fibroblast growth factor receptor 1	0.11	0.278	0.2	0.047
218895_at	<i>GPATCH3</i>	G patch domain containing 3	0.11	0.278	0.22	0.029
219690_at	<i>TMEM149</i>	transmembrane protein 149	0.12	0.237	0.2	0.047
216368_s_at	<i>COL4A3</i>	"collagen, type IV, alpha 3 (Goodpasture antigen)"	0.12	0.237	0.21	0.037
206440_at	<i>LIN7A</i>	lin-7 homolog A (C. elegans)	0.12	0.237	0.22	0.029
221435_x_at	<i>HYI</i>	hydroxypyruvate isomerase homolog (E. coli)	0.12	0.237	0.25	0.013
209383_at	<i>DDIT3</i>	"DNA-damage-inducible transcript 3 /// nuclear receptor subfamily 1, group H, member 3"	0.12	0.237	0.44	0
208540_x_at	<i>S100A11</i>	S100 calcium binding protein A11 /// S100 calcium binding protein A11 pseudogene	0.13	0.2	0.21	0.037
207829_s_at	<i>BNIP1</i>	BCL2/adenovirus E1B 19kDa interacting protein 1	0.13	0.2	0.23	0.022
221464_at	<i>OR1D2</i>	"olfactory receptor, family 1, subfamily D, member 2"	0.13	0.2	0.23	0.022
210587_at	<i>INHBE</i>	"inhibin, beta E"	0.13	0.2	0.3	0.003
207900_at	<i>CCL17</i>	chemokine (C-C motif) ligand 17	0.14	0.167	0.21	0.037
212094_at	<i>PEG10</i>	paternally expressed 10	0.14	0.167	0.21	0.037
216315_x_at	<i>LOC100133558</i>	similar to hCG1642170 /// TMEM189-UBE2V1 readthrough transcript /// ubiquitin-conjugating enzyme E2 variant 1 /// ubiquitin-conjugating enzyme E2 variant 1 pseudogene 2	0.14	0.167	0.24	0.017
202426_s_at	<i>RXRA</i>	"retinoid X receptor, alpha"	0.15	0.138	0.21	0.037
205955_at	<i>TAF6L</i>	---	0.15	0.138	0.22	0.029
205328_at	<i>CLDN10</i>	claudin 10	0.15	0.138	0.23	0.022

Table S2

Affymetrix ID	Gene	Gene Title	correlation coeff	p value	correlation coeff	p value
213596_at	<i>CASP4</i>	"caspase 4, apoptosis-related cysteine peptidase"	0.15	0.138	0.25	0.013
206966_s_at	<i>KLF12</i>	Kruppel-like factor 12	0.15	0.138	0.25	0.013
214377_s_at	<i>CTRL</i>	chymotrypsin-like	0.15	0.138	0.33	0.001
214923_at	<i>ATP6V1D</i>	"ATPase, H ⁺ transporting, lysosomal 34kDa, V1 subunit D"	0.16	0.114	0.2	0.047
221796_at	<i>NTRK2</i>	"neurotrophic tyrosine kinase, receptor, type 2"	0.16	0.114	0.2	0.047
202644_s_at	<i>TNFAIP3</i>	"tumor necrosis factor, alpha-induced protein 3"	0.16	0.114	0.2	0.047
212185_x_at	<i>MT2A</i>	metallothionein 2A	0.16	0.114	0.21	0.037
204326_x_at	<i>MT1X</i>	metallothionein 1X	0.16	0.114	0.22	0.029
218705_s_at	<i>SNX24</i>	sorting nexin 24	0.16	0.114	0.24	0.017
219555_s_at	<i>CENPN</i>	centromere protein N	0.17	0.093	0.2	0.047
203258_at	<i>DRAP1</i>	DR1-associated protein 1 (negative cofactor 2 alpha)	0.17	0.093	0.21	0.037
205081_at	<i>CRIP1</i>	cysteine-rich protein 1 (intestinal)	0.17	0.093	0.22	0.029
209328_x_at	<i>HIGD2A</i>	"HIG1 hypoxia inducible domain family, member 2A"	0.17	0.093	0.22	0.029
222329_x_at	<i>ANKRD17</i>	---	0.18	0.075	0.24	0.017
202191_s_at	<i>GAS7</i>	growth arrest-specific 7	0.18	0.075	0.27	0.007
215190_at	<i>EIF3M</i>	"eukaryotic translation initiation factor 3, subunit M"	0.19	0.06	0.2	0.047
203307_at	<i>GNL1</i>	guanine nucleotide binding protein-like 1	0.19	0.06	0.21	0.037
205483_s_at	<i>ISG15</i>	ISG15 ubiquitin-like modifier	0.19	0.06	0.21	0.037
205956_x_at	<i>PSMC3IP</i>	PSMC3 interacting protein	0.19	0.06	0.23	0.022
214731_at	<i>CTTNBP2NL</i>	CTTNBP2 N-terminal like	0.2	0.047	0.04	0.694
204805_s_at	<i>H1FX</i>	"H1 histone family, member X"	0.2	0.047	0.05	0.623
212032_s_at	<i>PTOV1</i>	prostate tumor overexpressed 1	0.2	0.047	0.07	0.491
209712_at	<i>SLC35D1</i>	"solute carrier family 35 (UDP-glucuronic acid/UDP-N-acetylgalactosamine dual transporter), member D1"	0.2	0.047	0.11	0.278
204833_at	<i>ATG12</i>	ATG12 autophagy related 12 homolog (S. cerevisiae)	0.2	0.047	0.12	0.237
220320_at	<i>DOK3</i>	docking protein 3	0.2	0.047	0.12	0.237
213281_at	<i>JUN</i>	Jun oncogene	0.2	0.047	0.12	0.237
205049_s_at	<i>CD79A</i>	"CD79a molecule, immunoglobulin-associated alpha"	0.2	0.047	0.13	0.2
204285_s_at	<i>PMAIP1</i>	phorbol-12-myristate-13-acetate-induced protein 1	0.2	0.047	0.13	0.2
202145_at	<i>LY6E</i>	"lymphocyte antigen 6 complex, locus E"	0.2	0.047	0.14	0.167
202021_x_at	<i>EIF1</i>	eukaryotic translation initiation factor 1	0.2	0.047	0.15	0.138
202014_at	<i>PPP1R15A</i>	"protein phosphatase 1, regulatory (inhibitor) subunit 15A"	0.2	0.047	0.15	0.138
37028_at	<i>PPP1R15A</i>	"protein phosphatase 1, regulatory (inhibitor) subunit 15A"	0.2	0.047	0.15	0.138
214169_at	<i>UNC84A</i>	unc-84 homolog A (C. elegans)	0.2	0.047	0.15	0.138
214962_s_at	<i>NUP160</i>	nucleoporin 160kDa	0.2	0.047	0.17	0.093
209398_at	<i>HIST1H1C</i>	"histone cluster 1, H1c"	0.21	0.037	0.05	0.623
218384_at	<i>CARHSP1</i>	"calcium regulated heat stable protein 1, 24kDa"	0.21	0.037	0.1	0.325
218681_s_at	<i>SDF2L1</i>	stromal cell-derived factor 2-like 1	0.21	0.037	0.12	0.237
217637_at	---	---	0.21	0.037	0.13	0.2

Table S2

Affymetrix ID	Gene	Gene Title	correlation coeff	p value	correlation coeff	p value
89948_at	<i>PCIF1</i>	PDX1 C-terminal inhibiting factor 1	0.21	0.037	0.14	0.167
204747_at	<i>IFIT3</i>	interferon-induced protein with tetratricopeptide repeats 3	0.21	0.037	0.15	0.138
214022_s_at	<i>IFITM1</i>	interferon induced transmembrane protein 1 (9-27)	0.21	0.037	0.15	0.138
212047_s_at	<i>RNF167</i>	ring finger protein 167	0.21	0.037	0.16	0.114
218697_at	<i>NCKIPSD</i>	NCK interacting protein with SH3 domain	0.21	0.037	0.17	0.093
218611_at	<i>IER5</i>	immediate early response 5	0.21	0.037	0.18	0.075
218810_at	<i>ZC3H12A</i>	zinc finger CCCH-type containing 12A	0.21	0.037	0.19	0.06
212005_at	<i>C1orf144</i>	chromosome 1 open reading frame 144	0.21	0.037	0.2	0.047
218010_x_at	<i>C20orf149</i>	chromosome 20 open reading frame 149	0.21	0.037	0.24	0.017
203725_at	<i>GADD45A</i>	"growth arrest and DNA-damage- inducible, alpha"	0.21	0.037	0.27	0.007
201466_s_at	<i>JUN</i>	jun oncogene	0.21	0.037	0.32	0.001
218326_s_at	<i>LGR4</i>	leucine-rich repeat-containing G protein-coupled receptor 4	0.22	0.029	0.02	0.844
202075_s_at	<i>PLTP</i>	phospholipid transfer protein	0.22	0.029	0.07	0.491
203752_s_at	<i>JUND</i>	jun D proto-oncogene	0.22	0.029	0.09	0.376
219593_at	<i>SLC15A3</i>	"solute carrier family 15, member 3"	0.22	0.029	0.09	0.376
208039_at	<i>SLC9A2</i>	---	0.22	0.029	0.14	0.167
203201_at	<i>PMM2</i>	phosphomannomutase 2	0.22	0.029	0.15	0.138
212130_x_at	<i>EIF1</i>	eukaryotic translation initiation factor 1	0.22	0.029	0.18	0.075
211692_s_at	<i>BBC3</i>	BCL2 binding component 3	0.22	0.029	0.22	0.029
204794_at	<i>DUSP2</i>	dual specificity phosphatase 2	0.23	0.022	0.05	0.623
201739_at	<i>SGK1</i>	serum/glucocorticoid regulated kinase 1	0.23	0.022	0.07	0.491
202779_s_at	<i>LOC731049</i>	similar to Ubiquitin-conjugating enzyme E2S (Ubiquitin-conjugating enzyme E2-24 kDa) (Ubiquitin-protein ligase) (Ubiquitin carrier protein) (E2- EPF5) /// ubiquitin-conjugating enzyme E2S	0.23	0.022	0.13	0.2
212227_x_at	<i>EIF1</i>	eukaryotic translation initiation factor 1	0.23	0.022	0.2	0.047
202990_at	<i>PYGL</i>	"phosphorylase, glycogen, liver"	0.24	0.017	0.1	0.325
201464_x_at	<i>JUN</i>	jun oncogene	0.24	0.017	0.28	0.005
202672_s_at	<i>ATF3</i>	activating transcription factor 3	0.24	0.017	0.3	0.003
207113_s_at	<i>TNF</i>	"tumor necrosis factor (TNF superfamily, member 2)"	0.25	0.013	-0.18	0.075
211014_s_at	<i>LOC161527</i>	hypothetical protein LOC161527 /// promyelocytic leukemia	0.25	0.013	0.15	0.138
211276_at	<i>TCEAL2</i>	transcription elongation factor A (SII)- like 2	0.25	0.013	0.32	0.001
217176_s_at	<i>ZFX</i>	"zinc finger protein, X-linked"	0.26	0.009	0.07	0.491
211600_at	<i>PTPRO</i>	"protein tyrosine phosphatase, receptor type, O"	0.27	0.007	0.15	0.138
202859_x_at	<i>IL8</i>	interleukin 8	0.27	0.007	0.27	0.007
1405_i_at	<i>CCL5</i>	chemokine (C-C motif) ligand 5	0.27	0.007	0.28	0.005
201502_s_at	<i>NFKBIA</i>	"nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha"	0.28	0.005	0.11	0.278

Table S2

Affymetrix ID	Gene	Gene Title	correlation coeff	p value	correlation coeff	p value
203183_s_at	<i>SMARCD1</i>	"SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 1"	0.28	0.005	0.11	0.278
213620_s_at	<i>ICAM2</i>	intercellular adhesion molecule 2	0.32	0.001	0.14	0.167
205114_s_at	<i>CCL3</i>	chemokine (C-C motif) ligand 3 /// chemokine (C-C motif) ligand 3-like 1 /// chemokine (C-C motif) ligand 3-like 3 /// similar to C-C motif chemokine 3-like 1 precursor (Small-inducible cytokine A3-like 1) (Tonsillar lymphocyte LD78 beta protein) (LD78-be	0.33	0.001	0.09	0.376
203973_s_at	<i>CEBPD</i>	"CCAAT/enhancer binding protein (C/EBP), delta"	0.33	0.001	0.27	0.007

Table S3: Results from linkage and association analyses.										
Affymetrix ID	Time-point	Target chrom	Target	Linkage t	Linkage peak	Regulator	QTD		Association	
							SNP ID	p Value	SNP ID	p value
201932_at	6	chr1	<i>LRRC41</i>	4.5	chr10:264674-3364177	<i>PITRM1</i>	rs4497305	0.0393	rs7924157	0.002
218810_at	2	chr1	<i>ZC3H12A</i>	4.8	chr16:71600051-77509263	<i>WVWX</i>	rs9927805	0.0005	rs9926888	0.003
32069_at	2	chr16	<i>N4BP1</i>	5.4	chr14:21260915-24177404	<i>TRAC</i>	rs1997535	0.0015	rs1474476	0.004
217176_s_at	2	chrX	<i>ZFX</i>	4.6	chr12:12945583-20232724	<i>PTPRO</i>	rs17174795	0.0023	rs10846172	0.005
206115_at	6	chr8	<i>EGR3</i>	4.6	chr22:26723539-31465709	<i>TTC28</i>	rs3747141	0.0011	rs13058493	0.006
212984_at	2	chr2	<i>ATF2</i>	4.5	chr15:29018546-35893454	<i>RYSR3</i>	rs2676087	0.0025	rs8041430	0.012
212945_s_at	2	chr15	<i>MGA</i>	5.4	chr4:162953377-176881814	<i>GALNT7</i>	rs2332655	0.0112	rs11934228	0.014
212503_s_at	6	chr10	<i>DIP2C</i>	4.7	chr1:203768143-213305526	<i>CR2</i>	rs11808746	0.0083	rs2940253	0.016
212227_x_at	2	chr17	<i>EIF1</i>	4.1	chr16:61524653-74924686	<i>TXNL4B</i>	rs152837	0.0168	rs152837	0.016
1405_l_at	6	chr17	<i>CCL5</i>	4.5	chr12:9153993-11703596	<i>ETV6</i>	rs2541113	0.0075	rs2855711	0.020
219805_at	6	chrX	<i>CXorf56</i>	4.5	chr10:129345335-133987444	<i>MGMT</i>	rs748190	0.0079	rs574831	0.020
205298_s_at	2	chr6	<i>BTN2A2</i>	4.5	chr2:2810386-4113855	<i>TSSC1</i>	rs896932	0.0016	rs10198129	0.025
213596_at	6	chr11	<i>CASP4</i>	4.5	chr2:144144179-151734130	<i>ARHGAP15</i>	rs12691686	0.0023	rs2381474	0.031
211063_s_at	6	chr3	<i>NCK1</i>	4.2	chr7:16750468-19577673	<i>HDAC9</i>	rs1726599	0.0184	rs801763	0.033
213457_at	6	chr8	<i>MFHAS1</i>	4.1	chr7:15690277-16750468	<i>BZW2</i>	rs17620110	0.0402	rs818323	0.040
201466_s_at	6	chr1	<i>JUN</i>	4.5	chr13:36481830-40431051	<i>LHFP</i>	rs1186468	0.0384	rs1186468	0.040
1405_l_at	6	chr17	<i>CCL5</i>	4.6	chr16:9757897-12438659	<i>NUBP1</i>	rs4780323	0.0405	rs4780323	0.045
208744_x_at	6	chr13	<i>HSPH1</i>	4.2	chr6:68340077-73753786	<i>SMAP1</i>	rs1084388	0.0052	rs17751154	0.046
204453_at	2	chr12	<i>ZNF84</i>	4.9	chr14:28894156-31415434	<i>SCFD1</i>	rs17435401	0.0004	rs17435401	0.046
44790_s_at	2	chr13	<i>C13orf18</i>	4.6	chr16:51135335-61559143	<i>NUP93</i>	rs1347591	0.0101	rs4371151	0.048
218705_s_at	6	chr5	<i>SNX24</i>	5.0	chr2:200817231-219314461	<i>MREG</i>	rs3770536	0.0000	rs4430956	NS
211612_s_at	2	chrX	<i>IL13RA1</i>	5.6	chr21:21221295-28307163	<i>APP</i>	rs2830074	0.0000	rs7281821	NS
212523_s_at	6	chr8	<i>KIAA0146</i>	4.4	chr21:28304293-29909213	<i>RNF160</i>	rs2832147	0.0005	rs2756240	NS
212492_s_at	6	chr19	<i>KDM4B</i>	4.8	chr7:25996690-41389748	<i>DKFZP586I1420</i>	rs1029965	0.0005	rs7787931	NS
210875_s_at	2	chr10	<i>ZEB1</i>	5.2	chr7:4469914-12026451	<i>RAC1</i>	rs10234438	0.0007	rs866279	NS
219653_at	2	chr20	<i>LSM14B</i>	4.7	chr8:14907804-25026921	<i>FAM160B2</i>	rs2309308	0.0008	rs2309308	NS
221703_at	2	chr17	<i>BRIP1</i>	4.3	chr7:7841969-19577673	<i>BZW2</i>	rs3807504	0.0008	rs866279	NS
222376_at	6	chr4	<i>HACE1</i>	4.5	chr7:128891504-130831457	<i>MKLN1</i>	rs15956	0.0009	rs9640866	NS
211692_s_at	2	chr19	<i>BBC3</i>	4.1	chr9:16013468-22351810	<i>RRAGA</i>	rs2291503	0.0011	rs10511671	NS
202672_s_at	2	chr1	<i>ATF3</i>	4.4	chr14:21260915-22438024	<i>MRPL52</i>	rs3751488	0.0013	rs4982689	NS
205245_at	6	chr16	<i>PARD6A</i>	4.5	chr8:25826192-26591502	<i>PPP2R2A</i>	rs12681736	0.0014	rs12682345	NS
204453_at	2	chr12	<i>ZNF84</i>	5.6	chr7:155214886-158710964	<i>RNF32</i>	rs10228019	0.0016	rs4716437	NS
213786_at	2	chr7	<i>TAX1BP1</i>	4.8	chr15:38225411-44585433	<i>RTF1</i>	rs16971832	0.0016	rs16971834	NS
202859_x_at	6	chr4	<i>IL8</i>	4.2	chr11:104371670-107348811	<i>SLC35F2</i>	rs12801961	0.0018	rs12801961	NS
53202_at	2	chr7	<i>C7orf25</i>	4.8	chr16:60109217-70131047	<i>DDX19A</i>	rs7189474	0.0018	rs7189474	NS
221464_at	6	chr17	<i>OR1D2</i>	4.3	chr1:207854835-214790837	<i>DTL</i>	rs2993524	0.0022	rs12755278	NS
204834_at	6	chr7	<i>FGL2</i>	4.7	chr7:145736403-150799762	<i>EZH2</i>	rs2072408	0.0027	rs734004	NS
208953_at	2	chr10	<i>LARP5</i>	4.1	chr16:2885248-4720262	<i>DNAJA3</i>	rs6500609	0.0029	rs6500609	NS
65472_at	2	chr2	<i>C2orf68</i>	5.1	chr21:33520254-39988095	<i>RCAN1</i>	rs1557270	0.0031	rs7276079	NS
208284_x_at	6	chr22	<i>GGT1</i>	4.3	chr12:106732680-110679358	<i>GLTP</i>	rs7966820	0.0031	rs10850913	NS
211063_s_at	6	chr3	<i>NCK1</i>	5.7	chr12:128771154-132193700	<i>SFRS8</i>	rs4964988	0.0040	rs1051219	NS
212677_s_at	2	chr2	<i>CEP68</i>	5.0	chr16:12438659-18747172	<i>XYLT1</i>	rs1472426	0.0041	rs4340319	NS
204986_s_at	2	chr16	<i>TAOK2</i>	4.4	chr9:123273841-133186226	<i>ABL1</i>	rs12005879	0.0043	rs2696141	NS
204666_s_at	2	chr1	<i>RP5-1000E10.4</i>	4.3	chr19:45994545-46683363	<i>HNRNPUL1</i>	rs1946612	0.0043	rs11879562	NS
218705_s_at	6	chr5	<i>SNX24</i>	4.2	chr8:20876443-26591502	<i>DOK2</i>	rs17581764	0.0053	rs17581764	NS
203386_at	2	chr13	<i>TBC1D4</i>	4.0	chr19:48671428-50683475	<i>XRCC1</i>	rs2854508	0.0054	rs2682560	NS
209218_at	6	chr8	<i>SQLE</i>	4.1	chr4:165505692-166601028	<i>SC4MOL</i>	rs6817186	0.0055	rs17686351	NS
219635_at	6	chr19	<i>ZNF606</i>	4.2	chr11:128161521-129275135	<i>NFRKB</i>	rs10894158	0.0055	rs1043654	NS
210944_s_at	2	chr15	<i>CAPN3</i>	4.9	chr14:58633057-67911912	<i>FUT8</i>	rs7143112	0.0057	rs9323464	NS
201502_s_at	2	chr14	<i>NFKBIA</i>	4.7	chr5:38615081-51669549	<i>PARP8</i>	rs26072	0.0059	rs32425	NS
203476_at	2	chr6	<i>TPBG</i>	4.7	chr13:72723016-84096971	<i>CLN5</i>	rs654196	0.0059	rs654196	NS
200862_at	6	chr1	<i>DHCR24</i>	4.5	chr6:68340077-79390706	<i>TMEM30A</i>	rs240388	0.0061	rs240388	NS
219627_at	2	chr7	<i>ZNF767</i>	4.7	chr14:64043955-73368631	<i>ZFP36L1</i>	rs8011558	0.0075	rs8011558	NS
220476_s_at	6	chr1	<i>C1orf183</i>	4.9	chr13:18394433-22864394	<i>CRYL1</i>	rs9578293	0.0079	rs7987204	NS
201625_s_at	6	chr7	<i>INSIG1</i>	4.7	chr17:3185390-9000212	<i>C17orf85</i>	rs16953493	0.0095	rs3744679	NS
204285_s_at	2	chr18	<i>PMAIP1</i>	4.3	chr16:73292367-75955581	<i>FA2H</i>	rs2240244	0.0098	rs1046371	NS
206115_at	2	chr8	<i>EGR3</i>	4.1	chr16:29048188-48908383	<i>LONP2</i>	rs8055764	0.0111	rs8055764	NS
204236_at	2	chr11	<i>FLI1</i>	5.4	chr16:2885248-6050547	<i>UBN1</i>	rs17771656	0.0123	rs17771656	NS
204236_at	2	chr11	<i>FLI1</i>	4.5	chr13:109946659-110841295	<i>ING1</i>	rs2165418	0.0124	rs7999702	NS
214734_at	6	chr11	<i>EXPH5</i>	4.2	chr16:8159131-10317111	<i>CARHSP1</i>	rs8050692	0.0136	rs168841	NS
210587_at	6	chr12	<i>INHBE</i>	5.1	chr2:142524785-151734130	<i>ZEB2</i>	rs7562247	0.0137	rs1365777	NS
219274_at	2	chr7	<i>TSPAN12</i>	4.6	chr4:147418116-153549750	<i>LRBA</i>	rs12499470	0.0139	rs7678429	NS
44790_s_at	2	chr13	<i>C13orf18</i>	4.6	chr20:73120-1444472	<i>PSMF1</i>	rs2300185	0.0139	rs17716261	NS
213596_at	6	chr11	<i>CASP4</i>	4.6	chr19:53796119-60126629	<i>ZNF160</i>	rs329705	0.0146	rs329701	NS
212407_at	2	chr1	<i>METTL13</i>	4.1	chr2:239812783-240817893	<i>LOC732160</i>	rs12328143	0.0148	rs2369088	NS
222164_at	6	chr8	<i>FGFR1</i>	5.4	chr6:6923631-11718566	<i>NEDD9</i>	rs9357087	0.0153	rs9348837	NS
221208_s_at	2	chr11	<i>C11orf61</i>	5.6	chr7:29166393-37990364	<i>GARS</i>	rs16875290	0.0158	rs3807632	NS
206966_s_at	6	chr13	<i>KLF12</i>	4.6	chr8:22541202-28602601	<i>SLC25A37</i>	rs10104250	0.0168	rs11778179	NS
204015_s_at	6	chr8	<i>DUSP4</i>	5.5	chr20:73120-3863063	<i>PTPRA</i>	rs2296236	0.0177	rs497518	NS
203685_at	2	chr18	<i>BCL2</i>	4.0	chr12:132120314-132193700	<i>ZNF84</i>	rs7133210	0.0194	rs7133210	NS
212032_s_at	2	chr19	<i>PTOV1</i>	4.4	chr5:726407-3239037	<i>LPCAT1</i>	rs27053	0.0202	rs31491	NS
201300_s_at	6	chr20	<i>PRNP</i>	4.1	chr10:50621215-64290047	<i>CCDC6</i>	rs1684900	0.0236	rs7920403	NS
209829_at	2	chr6	<i>FAM65B</i>	5.0	chr18:59822577-67493894	<i>CD226</i>	rs1790942	0.0249	rs17804058	NS
219446_at	2	chr12	<i>RIC8B</i>	4.8	chr16:37353-5906362	<i>NTHL1</i>	rs2516737	0.0254	rs8059880	NS

Affymetrix ID	Time-point	Target chrom	Target	Linkage t	Linkage peak	Regulator	SNP ID	p Value	SNP ID	p value
209938_at	2	chr17	TADA2L	4.6	chr10:72985945-75346469	PPP3CB	rs11000666	0.0255	rs12644	NS
217107_at	2	chr6	RPS4X	4.0	chr8:58452663-59833321	NSMAF	rs7820921	0.0288	rs973807	NS
216177_at	6	chr1	LOC391132	4.8	chr6:6923631-10166796	TXNDC5	rs1225949	0.0306	rs8643	NS
203476_at	6	chr6	TPBG	4.2	chr1:2016608-4604814	RPS10	rs2840528	0.0338	rs7527871	NS
217663_at	2	chr19	ZNF234	4.3	chr3:52720126-53884770	TKT	rs9879195	0.0342	rs728910	NS
65472_at	2	chr2	C2orf68	4.3	chr6:97725196-108628005	SEC63	rs3734760	0.0345	rs9400156	NS
214218_s_at	2	chrX	XIST	4.4	chr7:116916639-123502371	KCND2	rs10487403	0.0391	rs17347747	NS
206451_at	2	chr3	TBCCD1	5.4	chr16:56752426-65739499	GOT2	rs30842	0.0407	rs4784054	NS
211692_s_at	2	chr19	BBC3	4.3	chr2:10660996-13661641	ROCK2	rs12478098	0.0463	rs6730673	NS
205328_at	6	chr13	CLDN10	4.0	chr17:6433921-6686364	XAF1	rs16956264	0.0493	rs1509123	NS
1405_i_at	2	chr17	CCL5	4.0	chr6:132190992-132190992					
201466_s_at	2	chr1	JUN	4.1	chr8:14907804-15358722					
201466_s_at	6	chr1	JUN	4.2	chr7:7188492-8275517					
201626_at	2	chr7	INSIG1	4.0	chr12:128771154-128771154					
201661_s_at	6	chr2	ACSL3	4.3	chr1:2016608-8539424					
201737_s_at	2	chr5	MARCH6	4.4	chr22:47787119-49508924					
201739_at	2	chr6	SGK1	4.4	chr7:146483609-147493564					
202084_s_at	2	chr17	SEC14L1	4.1	chr11:79644829-79644829					
202084_s_at	2	chr17	SEC14L1	4.2	chr18:64080210-64084527					
202191_s_at	6	chr17	GAS7	4.1	chr4:134502446-136017695					
202426_s_at	6	chr9	RXRA	4.1	chr13:109946659-109967238					
202426_s_at	6	chr9	RXRA	4.0	chr4:162953377-162953377					
202630_at	2	chr17	APPBP2	4.1	chr4:173721837-174001151					
202630_at	2	chr17	APPBP2	4.2	chr5:10108915-14961577					
202859_x_at	2	chr4	IL8	5.0	chr4:171176403-174001151					
202859_x_at	6	chr4	IL8	4.7	chr20:9993077-10370352					
203165_s_at	2	chr3	SLC33A1	4.5	chr7:28364984-29926986					
203386_at	2	chr13	TBC1D4	4.4	chr21:16499649-16499649					
203409_at	6	chr11	DDB2	4.1	chr1:21551186-23091773					
203741_s_at	2	chr16	ADCY7	4.0	chr2:240610400-240610400					
204165_at	6	chr6	WASF1	4.8	chr16:6050547-6276912					
204666_s_at	2	chr1	RP5-1000E10.4	4.2	chr7:31620208-31620208					
204732_s_at	2	chr5	TRIM23	4.0	chr9:81320680-81320680					
204968_at	6	chr6	C6orf47	4.1	chr7:47085659-47761582					
205187_at	2	chr5	SMAD5	4.6	chr5:57215260-58877102					
205298_s_at	2	chr6	BTN2A2	4.5	chr7:155214886-155745558					
205518_s_at	2	chr6	CMAH	4.3	chr5:172772593-173728397					
206181_at	2	chr1	SLAMF1	4.1	chr7:36432567-36432567					
206451_at	2	chr3	TBCCD1	4.2	chr7:36432567-36744856					
208284_x_at	6	chr22	GGT1	4.2	chr2:193648765-193648765					
208284_x_at	6	chr22	GGT1	4.4	chr4:25625083-31865039					
208988_at	2	chr11	KDM2A	4.3	chr14:37852815-41798454					
209328_x_at	6	chr5	HIGD2A	4.1	chr7:34816370-35460537					
209473_at	6	chr10	ENTPD1	5.2	chr14:33656413-41798454					
209539_at	6	chrX	ARHGEF6	4.0	chr6:56096477-56215223					
209921_at	6	chr4	SLC7A11	4.3	chr13:108249563-109139016					
210803_at	6	chr22	TXNRD2	4.0	chr3:126284920-126294003					
210942_s_at	2	chr3	ST3GAL6	4.0	chr20:56520079-56520079					
211600_at	2	chr12	PTPRO	4.3	chr9:85489883-86585629					
212227_x_at	6	chr17	EIF1	4.7	chr4:156726318-168673575					
212233_at	2	chr5	MAP1B	4.1	chr21:39544887-40716925					
213004_at	6	chr9	ANGPTL2	4.1	chr22:25013327-25013379					
213010_at	6	chr11	PRKCDBP	4.5	chr7:135922472-138003726					
213156_at	2	chr3	---	4.5	chr2:240610400-242407614					
217632_at	6	chrX	GNL3L	4.2	chr2:172411886-173077476					
217762_s_at	2	chr18	RAB31	4.0	chr1:58705861-58705861					
218323_at	6	chr17	RHOT1	4.2	chr21:29263761-29909213					
218611_at	2	chr1	IER5	4.9	chr13:98129568-102113210					
219446_at	2	chr12	RIC8B	4.2	chr5:5662694-5662694					
219546_at	2	chr4	BMP2K	4.1	chr20:1364065-1444472					
219593_at	2	chr11	SLC15A3	4.6	chr3:21900607-25290980					
219617_at	2	chr2	C2orf34	4.1	chr19:10334391-10334391					
219870_at	2	chr16	ATF7IP2	4.2	chr10:71856799-71856799					
220476_s_at	6	chr1	C1orf183	4.6	chr10:54050434-55353143					
220992_s_at	2	chr1	C1orf25	4.7	chr12:129669295-129791423					
221213_s_at	2	chr15	ZNF280D	4.3	chr9:13134077-14602187					
221435_x_at	6	chr1	HYI	4.5	chr1:116635627-116635627					
44790_s_at	2	chr13	C13orf18	4.5	chr14:22438024-31415434					

Table S4: Effects of siRNA knockdown on cellular radiosensitivity in HT29 and PC3 cells as measured by MTS and colony-formation assays (CFA). The increase in cell death (%) following siRNA-mediated gene knockdown as compared to cells transfected with non-specific control siRNA is reported (mean +/- s.e.m., n≥2).

MTS Assay	<i>RIC8B</i>	<i>HSPBAP1</i>	<i>FAM65B</i>	<i>INSIG1</i>	<i>MGA</i>
HT29	24.0 ± 5.9	20.9 ± 1.5	17.2 ± 9.9	20.0 ± 3.3	34.0 ± 9.9
PC3	25.9 ± 1.9	23.1 ± 5.5	7.8 ± 8.7	17.4 ± 7.8	12.0 ± 9.0
Colony Formation Assay					
HT29	12.7 ± 7.8	27.6 ± 7.5	25.9 ± 10.1	127.2 ± 2.3	23.7 ± 0.0

Table S5: Caspase and viability data for Figure 3

A: Luminescence readings of Caspase 3/7 activity in 3 B-cells						
No IR	<i>NT</i>	<i>RIC8B</i>	<i>HSPBAP1</i>	<i>FAM65B</i>	<i>INSIG1</i>	<i>MGA</i>
avg	29175.6667	30090.3333	36524	28060.6667	31364.3333	35179.6667
s.e.m.	4991.86867	2659.36849	5908.63743	4118.12491	4252.12129	3667.22076
10 Gy IR						
avg	54170.6667	89330.3333	97024.3333	71988.3333	93259.6667	88753
s.e.m.	6209.22873	13929.4441	16419.49	4196.44438	16349.1834	10909.1078
B: HT29 Colony Formation Assay (CFA)						
	<i>NT</i>	<i>RIC8B</i>	<i>HSPBAP1</i>	<i>FAM65B</i>	<i>INSIG1</i>	<i>MGA</i>
PE	0.046	0.040	0.033	0.034	0.034	0.035
s.e.m.	0.005	0.008	0.003	0.005	0.001	0.000
SF		0.873	0.724	0.741	0.728	0.763
s.e.m.		0.252	0.106	0.143	0.033	0.000

Table S6: Primer and siRNA sequence identities

PCR Primer Sequences

Gene name	Forward primer	Reverse Primer
<i>RIC8B</i>	AGCAGGGTACGGAGGCGTGT	CCTGCCTGCCTCCCAGGACT
<i>HSPBAP1</i>	CCAAACTGGCTGCTCTTTGT	GGTTGAGGCTGAGGAAGACA
<i>INSIG1</i>	CGCAGTTTCTCGTGTATAATGGTGT CT	GGGGCTTTTCAGGAACACCCATAG C
<i>FAM65B</i>	GCTGGAGGCCAGCTTTGCCA	GAGGCTCAGCCCGGTCCAGA
<i>MGA</i>	GTCATTCAAACAGCCGTCCT	AGAGGAATTGGTGGAGCCTT

Accell Pool siRNA Sequences

Gene name	Pool identification	Target sequence
<i>RIC8B</i>	A-021081-13	GCAAGGACCGGAAAUUUUAU
	A-021081-14	GAGUUAUAAUUGAUGGUUU
	A-021081-15	CGUGUGUCCUAAAAUAAAG
	A-021081-16	CCUUCGUCAUUGUUUACUA
<i>HSPBAP1</i>	A-004287-13	UCAGUAAAAUCAUUGUUGU
	A-004287-14	GCACGACACUGGAUUGCUA
	A-004287-15	CCUUUAUCCAACUAGAAUC
	A-004287-16	CCGGAAAGCUCAAAGACAU
<i>INSIG1</i>	A-017880-14	GUUUUGUGAUGUAAACGAUC
	A-017880-15	UUAUGAAGUUUAAUUCGAA
	A-017880-16	GCGAUAAUUGGAAUUUUC
	A-017880-17	GCCAUGUAUUUCAUUCUUA
<i>FAM65B</i>	A-013598-13	CUAUGAAGCUUAAUUGUAUC
	A-013598-14	GUUUCAUAUAAGUAAGGUA
	A-013598-15	CUUUCUAGAUGGAAGCUUA
	A-013598-16	GCUUUUACUUGCAUUAGAA
<i>MGA</i>	A-022224-13	CCCUUAAUAUAAAACGAGA
	A-022224-14	CCCUGAGGCUAUUGUAAUA
	A-022224-15	GCUUUUAAUAGUAAGGUUC
	A-022224-16	UUACUGUCGUAAUUGGAUA

Selencer Select siRNA sequences

Gene name	Sense (5' – 3')	Antisense
<i>RIC8B</i>	GCAUCAAGUGGACCGAUGAtt	UCAUCGGUCCACUUGAUGCta
<i>HSPBAP1</i>	GCAUUACGUAGAAUCCAUUt	AAUGGAUUCUACGUAAUGCca
<i>INSIG1</i>	AGAGGAAUGUCACUCUCUUt	AAGAGAGUGACAUUCCUCUgg
<i>FAM65B</i>	CCAUCAAGAUGAAAGGUCUt	AGACCUUUAUCUUGAUGGag
<i>MGA</i>	CCGUUAGACCAGAACGGAAtt	UCCCGUUCUGGUCUACGGtg