

Table S3: Datasheet with 309 CpG sites with a methylation beta value difference > 0.03 and FDR < 0.5 over a 2 year period.

CpG	Chr	MAPINFO	Gene	Paired t-test p value	FDR p value	Methylation Beta values		
						Time 1 (mean)	Time 2 (mean)	mean difference
cg13452062	1	79088559	IFI44L	8.28E-25	5.97E-19	0.309	0.142	-0.167
cg07929412	2	130694084	LOC101927924	9.23E-22	3.33E-16	0.75	0.696	-0.054
cg23570810	11	315102	IFITM1	1.80E-21	4.32E-16	0.488	0.409	-0.079
cg05696877	1	79088769	IFI44L	4.69E-21	8.45E-16	0.309	0.193	-0.116
cg21549285	21	42799141	MX1	6.61E-19	7.94E-14	0.397	0.261	-0.136
cg14628347	21	46329323	ITGB2	1.30E-18	1.34E-13	0.635	0.667	0.032
cg25984164	1	174844560	RABGAP1L	3.76E-18	3.29E-13	0.707	0.635	-0.072
cg10549986	2	7018153	RSAD2	4.11E-18	3.29E-13	0.154	0.102	-0.052
cg09948374	1	174844517	RABGAP1L	6.45E-18	4.65E-13	0.603	0.548	-0.055
cg07815522	3	122282157	PARP9; DTX3L	1.05E-17	6.88E-13	0.447	0.34	-0.107
cg05552874	10	91153143	IFIT1	1.91E-17	1.15E-12	0.396	0.317	-0.079
cg22862003	21	42797588	MX1	9.90E-17	5.04E-12	0.413	0.326	-0.087
cg18467790	7	4871879	RADIL	1.05E-16	5.04E-12	0.521	0.577	0.056
cg16526047	1	949893	ISG15	1.51E-16	6.44E-12	0.49	0.458	-0.032
cg24678928	4	169240829	DDX60	1.52E-16	6.44E-12	0.7	0.61	-0.09
cg20062691	1	949392	ISG15	2.51E-16	1.00E-11	0.664	0.618	-0.046
cg07469075	11	35548139	PAMR1	6.78E-16	2.44E-11	0.575	0.518	-0.057
cg11317199	9	100850391	TRIM14	1.75E-15	6.01E-11	0.594	0.633	0.039
cg08565796	19	37825455	HKR1	2.47E-15	8.09E-11	0.317	0.345	0.028
cg12439472	13	43565399	EPSTI1	2.85E-15	8.93E-11	0.312	0.211	-0.101
cg05883128	4	169239131	DDX60	3.95E-15	1.19E-10	0.329	0.274	-0.055
cg13100600	1	958351	AGRN	5.28E-15	1.52E-10	0.508	0.543	0.035
cg07839457	16	57023022	NLRC5	5.61E-15	1.56E-10	0.242	0.173	-0.069
cg25267487	19	29217858		6.95E-15	1.86E-10	0.675	0.707	0.032
cg13207212	4	40892564	APBB2	1.09E-14	2.81E-10	0.555	0.525	-0.03
cg07784975	12	23513670		1.48E-14	3.68E-10	0.233	0.195	-0.038
cg03607951	1	79085586	IFI44L	1.76E-14	4.23E-10	0.265	0.198	-0.067
cg13130398	1	174844397	RABGAP1L	3.88E-14	9.02E-10	0.814	0.766	-0.048
cg14943355	12	3980704	PARP11	4.07E-14	9.17E-10	0.382	0.305	-0.077
cg18387107	12	3980774	PARP11	4.23E-14	9.24E-10	0.547	0.513	-0.034
cg16060790	9	104135218	BAAT	7.26E-14	1.49E-09	0.763	0.726	-0.037

cg06716655	1	154579727	ADAR	1.06E-13	2.06E-09	0.109	0.081	-0.028
cg05280698	19	37825388	HKR1	1.56E-13	2.96E-09	0.348	0.391	0.043
cg03425812	15	45005363	B2M	2.09E-13	3.86E-09	0.414	0.333	-0.081
cg04788999	1	949850	ISG15	2.99E-13	5.39E-09	0.702	0.661	-0.041
cg09035930	12	129282057	SLC15A4	3.68E-13	6.31E-09	0.668	0.636	-0.032
cg01190666	20	62204908	PRIC285	3.78E-13	6.34E-09	0.473	0.441	-0.032
cg12828896	15	45005365	B2M	5.49E-13	8.98E-09	0.365	0.294	-0.071
cg15498409	22	18832673		5.61E-13	8.98E-09	0.528	0.491	-0.037
cg03811829	1	949449	ISG15	8.57E-13	1.34E-08	0.766	0.734	-0.032
cg13399903	15	50352288	ATP8B4	1.34E-12	2.05E-08	0.51	0.466	-0.044
cg24871213	20	51026767		1.39E-12	2.09E-08	0.27	0.298	0.028
cg13849515	17	54969261	MIR3614	1.64E-12	2.41E-08	0.58	0.608	0.028
cg10202782	9	104135244	BAAT	1.89E-12	2.72E-08	0.533	0.49	-0.043
cg08382737	19	49617001	LIN7B	2.13E-12	3.01E-08	0.661	0.689	0.028
cg07021052	2	20871279		2.21E-12	3.06E-08	0.4	0.438	0.038
cg08888522	2	163172908	IFIH1	2.42E-12	3.29E-08	0.795	0.739	-0.056
cg00959259	3	122281975	PARP9	2.72E-12	3.50E-08	0.338	0.247	-0.091
cg06981309	3	146260954	PLSCR1	3.18E-12	4.02E-08	0.263	0.212	-0.051
cg05481257	2	20870211	GDF7	3.78E-12	4.70E-08	0.42	0.447	0.027
cg24834889	19	37825406	HKR1	3.88E-12	4.74E-08	0.357	0.388	0.031
cg01028142	2	7004578	CMPK2	4.54E-12	5.29E-08	0.728	0.658	-0.07
cg26342454	4	10035262	SLC2A9	4.55E-12	5.29E-08	0.301	0.268	-0.033
cg01079652	1	79118191	IFI44	4.98E-12	5.70E-08	0.799	0.73	-0.069
cg12262617	5	150677795	SLC36A3	5.42E-12	6.10E-08	0.4	0.477	0.077
cg09225861	11	65069680		5.69E-12	6.31E-08	0.66	0.685	0.025
cg01971407	11	313624	IFITM1	9.08E-12	9.77E-08	0.426	0.393	-0.033
cg03038262	11	315262	IFITM1	9.78E-12	1.04E-07	0.434	0.381	-0.053
cg14293575	22	18635460	USP18	1.02E-11	1.07E-07	0.756	0.684	-0.072
cg17407859	3	164977784	LINC01322	1.08E-11	1.11E-07	0.531	0.486	-0.045
cg12378834	5	134646487	C5orf66	1.11E-11	1.13E-07	0.383	0.343	-0.04
cg11946459	6	29911558	HLA-A	1.14E-11	1.13E-07	0.657	0.603	-0.054
cg10616795	5	76464212		1.16E-11	1.13E-07	0.741	0.714	-0.027
cg01082299	6	31431969	HCP5	1.23E-11	1.18E-07	0.474	0.442	-0.032
cg08122652	3	122281939	PARP9; DTX3L	1.27E-11	1.20E-07	0.591	0.51	-0.081
cg04559928	7	102056278	LOC100630923	1.59E-11	1.47E-07	0.259	0.285	0.026

cg27537252	15	45006400	B2M	1.86E-11	1.70E-07	0.327	0.258	-0.069
cg13839793	5	152738322		1.89E-11	1.70E-07	0.449	0.407	-0.042
cg10687131	2	20871002	GDF7	2.41E-11	2.14E-07	0.423	0.462	0.039
cg10163895	1	151712510		2.94E-11	2.58E-07	0.505	0.466	-0.039
cg03329597	3	108125523	MYH15	3.38E-11	2.93E-07	0.355	0.311	-0.044
cg06956240	4	103997518	SLC9B2	3.85E-11	3.30E-07	0.092	0.065	-0.027
cg11211792	1	949634	ISG15	4.91E-11	4.02E-07	0.731	0.704	-0.027
cg15209676	19	53169103	ZNF83	6.68E-11	5.41E-07	0.671	0.707	0.036
cg22444562	2	207090465	GPR1-AS	6.89E-11	5.52E-07	0.428	0.373	-0.055
cg03877706	21	22572632	NCAM2	7.63E-11	5.85E-07	0.761	0.721	-0.04
cg13903421	2	219738714	WNT6	8.48E-11	6.43E-07	0.511	0.537	0.026
cg11047325	17	76354934	SOCS3	1.17E-10	8.59E-07	0.546	0.514	-0.032
cg12024906	19	37825679	HKR1	1.18E-10	8.59E-07	0.316	0.347	0.031
cg22930808	3	122281881	PARP9; DTX3L	1.42E-10	9.84E-07	0.404	0.296	-0.108
cg08071363	3	133576657	RAB6B	1.94E-10	1.27E-06	0.212	0.242	0.03
cg08993878	12	98151379		2.24E-10	1.45E-06	0.521	0.469	-0.052
cg18715297	3	122283210	PARP9; DTX3L	3.33E-10	2.12E-06	0.318	0.277	-0.041
cg23352030	20	62198469	PRIC285	3.99E-10	2.48E-06	0.752	0.784	0.032
cg25429619	1	174846521	RABGAP1L	4.89E-10	2.91E-06	0.597	0.55	-0.047
cg04927537	17	76976091	LGALS3BP	5.12E-10	3.02E-06	0.377	0.344	-0.033
cg27074582	2	240114406	HDAC4	6.64E-10	3.80E-06	0.623	0.652	0.029
cg11702942	8	144102584	LY6E	1.10E-09	6.05E-06	0.692	0.665	-0.027
cg02294690	4	17581984	LAP3	1.14E-09	6.22E-06	0.8	0.77	-0.03
cg19902553	16	87686420	JPH3	1.15E-09	6.23E-06	0.288	0.323	0.035
cg10025778	7	76877115	CCDC146	1.37E-09	7.26E-06	0.819	0.854	0.035
cg26168643	13	88328009	SLITRK5	1.40E-09	7.36E-06	0.651	0.684	0.033
cg21358336	17	6558440		1.44E-09	7.52E-06	0.753	0.724	-0.029
cg06290690	9	100850337	TRIM14	1.46E-09	7.52E-06	0.683	0.718	0.035
cg14864167	8	66751182	PDE7A	1.53E-09	7.82E-06	0.473	0.384	-0.089
cg17608381	6	29911550	HLA-A	1.60E-09	8.06E-06	0.491	0.434	-0.057
cg18876294	11	118986471	C2CD2L	1.67E-09	8.36E-06	0.393	0.425	0.032
cg26882438	3	122399120	PARP14	1.89E-09	9.38E-06	0.519	0.477	-0.042
cg16744531	19	17905626	B3GNT3	2.07E-09	9.95E-06	0.389	0.347	-0.042
cg06708931	8	144103857		2.44E-09	1.16E-05	0.888	0.863	-0.025
cg15192736	22	49448123		2.82E-09	1.31E-05	0.649	0.621	-0.028

cg17422692	16	420245	MRPL28	2.84E-09	1.31E-05	0.437	0.478	0.041
cg04082016	2	20871401		3.95E-09	1.74E-05	0.528	0.554	0.026
cg22764925	22	24979964	GGT1	4.65E-09	1.99E-05	0.624	0.592	-0.032
cg04823169	9	100850334	TRIM14	4.77E-09	2.00E-05	0.573	0.609	0.036
cg09858955	2	58135951	VRK2	4.78E-09	2.00E-05	0.411	0.363	-0.048
cg02095219	17	57976723	RPS6KB1	4.89E-09	2.04E-05	0.586	0.627	0.041
cg25998594	14	24632095	IRF9	6.32E-09	2.52E-05	0.813	0.78	-0.033
cg12948621	19	37825446	HKR1	6.54E-09	2.58E-05	0.234	0.261	0.027
cg26019498	1	228570446		6.54E-09	2.58E-05	0.789	0.828	0.039
cg07782112	2	53107842		6.76E-09	2.63E-05	0.714	0.687	-0.027
cg04268125	1	154579384	ADAR	6.78E-09	2.63E-05	0.414	0.351	-0.063
cg22475676	10	91179508	IFIT5	7.20E-09	2.76E-05	0.419	0.38	-0.039
cg05845808	19	11457129	CCDC159	7.21E-09	2.76E-05	0.175	0.127	-0.048
cg13155430	21	42795929	MX1	7.29E-09	2.78E-05	0.802	0.751	-0.051
cg05245284	11	100316089		7.35E-09	2.79E-05	0.414	0.379	-0.035
cg07397757	1	22797898	ZBTB40	8.32E-09	3.03E-05	0.799	0.767	-0.032
cg05688588	4	25237268	PI4K2B	8.40E-09	3.03E-05	0.308	0.282	-0.026
cg16276113	21	43223359	PRDM15	9.18E-09	3.26E-05	0.46	0.431	-0.029
cg14391923	8	140583084		1.01E-08	3.55E-05	0.654	0.617	-0.037
cg10237978	19	37825211	HKR1	1.11E-08	3.88E-05	0.469	0.498	0.029
cg18881380	2	102758609	IL1R1	1.35E-08	4.59E-05	0.755	0.729	-0.026
cg16232234	5	35247879		1.36E-08	4.60E-05	0.79	0.822	0.032
cg21188533	3	53700263	CACNA1D	1.57E-08	5.26E-05	0.527	0.496	-0.031
cg10710569	2	231283552	SP100	1.66E-08	5.46E-05	0.295	0.264	-0.031
cg05245822	18	37550141		1.73E-08	5.67E-05	0.728	0.692	-0.036
cg25178683	17	76976267	LGALS3BP	1.81E-08	5.90E-05	0.52	0.495	-0.025
cg14065121	9	77643271	C9orf41	1.99E-08	6.43E-05	0.303	0.263	-0.04
cg24298610	21	42796936	MX1	2.09E-08	6.69E-05	0.815	0.785	-0.03
cg26312951	21	42797847	MX1	2.30E-08	7.18E-05	0.218	0.171	-0.047
cg01517384	6	31323856	HLA-B	2.69E-08	8.11E-05	0.301	0.272	-0.029
cg09026253	11	313267	IFITM1	3.12E-08	8.99E-05	0.602	0.574	-0.028
cg25637655	6	29911542	HLA-A	3.63E-08	1.03E-04	0.405	0.364	-0.041
cg08099136	6	32811251	PSMB8	3.63E-08	1.03E-04	0.3	0.274	-0.026
cg10213935	3	172238177	TNFSF10	3.71E-08	1.04E-04	0.214	0.188	-0.026
cg14016568	12	116370109		4.86E-08	1.32E-04	0.241	0.214	-0.027

cg24603130	18	60253492	ZCCHC2	4.95E-08	1.34E-04	0.473	0.519	0.046
cg13831575	15	48834416	FBN1	5.17E-08	1.38E-04	0.478	0.445	-0.033
cg23870316	8	2216155		5.18E-08	1.38E-04	0.822	0.794	-0.028
cg12011299	4	100065546	ADH4	5.23E-08	1.39E-04	0.579	0.552	-0.027
cg19815596	1	201583478		5.85E-08	1.53E-04	0.302	0.328	0.026
cg21995613	8	144106922		5.97E-08	1.55E-04	0.688	0.651	-0.037
cg08121845	3	103998713		6.42E-08	1.63E-04	0.401	0.369	-0.032
cg06188083	10	91093005	IFIT3	6.62E-08	1.68E-04	0.377	0.312	-0.065
cg17220055	1	42248998	HIVEP3	6.70E-08	1.69E-04	0.595	0.623	0.028
cg10541181	12	23712593	SOX5	6.93E-08	1.73E-04	0.711	0.669	-0.042
cg17360552	6	32725332	HLA-DQB2	7.00E-08	1.74E-04	0.752	0.724	-0.028
cg14595557	2	7006786	CMPK2	7.56E-08	1.84E-04	0.307	0.275	-0.032
cg26010015	12	89675002		7.98E-08	1.93E-04	0.373	0.404	0.031
cg06484123	19	53107200		8.41E-08	2.01E-04	0.623	0.654	0.031
cg15570860	11	8986840	TMEM9B	9.15E-08	2.13E-04	0.813	0.788	-0.025
cg25800166	12	113375896	OAS3	9.34E-08	2.17E-04	0.5	0.474	-0.026
cg01331196	3	11287078	HRH1	1.00E-07	2.29E-04	0.5	0.526	0.026
cg27341933	15	65822992	PTPLAD1	1.10E-07	2.49E-04	0.182	0.146	-0.036
cg05475649	15	45007015	B2M	1.20E-07	2.67E-04	0.435	0.392	-0.043
cg05994974	7	139761087	PARP12	1.27E-07	2.77E-04	0.287	0.248	-0.039
cg24819596	2	86135013		1.35E-07	2.90E-04	0.734	0.76	0.026
cg03680873	3	148844300		1.45E-07	3.08E-04	0.483	0.454	-0.029
cg02154531	X	71237000	NHSL2	1.49E-07	3.16E-04	0.299	0.325	0.026
cg01309328	6	32811253	PSMB8	1.67E-07	3.47E-04	0.323	0.295	-0.028
cg07755735	2	20870362	GDF7	1.71E-07	3.52E-04	0.613	0.64	0.027
cg23756236	19	37825572	HKR1	1.90E-07	3.84E-04	0.433	0.466	0.033
cg23448505	19	37826008	HKR1	2.02E-07	3.99E-04	0.534	0.562	0.028
cg10552523	11	313478	IFITM1	2.03E-07	4.00E-04	0.268	0.236	-0.032
cg18809953	17	79481801		2.08E-07	4.04E-04	0.223	0.164	-0.059
cg20291162	17	40259547	DHX58	2.09E-07	4.05E-04	0.561	0.588	0.027
cg27326027	18	6885253	ARHGAP28	2.28E-07	4.37E-04	0.374	0.347	-0.027
cg26505274	12	121474114	OASL	2.37E-07	4.51E-04	0.775	0.807	0.032
cg12545480	1	210099448		2.39E-07	4.52E-04	0.487	0.458	-0.029
cg26358144	16	18812929	ARL6IP1	2.42E-07	4.57E-04	0.1	0.073	-0.027
cg00569896	4	204382		2.64E-07	4.92E-04	0.705	0.739	0.034

cg15821589	1	78444904	FUBP1	2.64E-07	4.92E-04	0.198	0.165	-0.033
cg05472874	22	44258179	SULT4A1	3.34E-07	5.96E-04	0.302	0.273	-0.029
cg24630035	5	120389062		3.52E-07	6.20E-04	0.45	0.415	-0.035
cg20891558	2	74357851		3.52E-07	6.20E-04	0.445	0.484	0.039
cg26292116	2	241618820	AQP12B	3.63E-07	6.37E-04	0.436	0.405	-0.031
cg02889828	16	76769105		3.87E-07	6.69E-04	0.768	0.799	0.031
cg00307203	18	47715633	MYO5B	3.93E-07	6.74E-04	0.669	0.696	0.027
cg14305526	11	31182412		3.93E-07	6.74E-04	0.265	0.238	-0.027
cg00008629	9	115093661	ROD1	5.04E-07	8.23E-04	0.334	0.297	-0.037
cg18241351	11	62066715	SCGB1D4	5.37E-07	8.60E-04	0.707	0.733	0.026
cg22259797	11	118986860	C2CD2L	5.54E-07	8.76E-04	0.547	0.572	0.025
cg06562969	13	43567153	EPSTI1	5.91E-07	9.20E-04	0.524	0.478	-0.046
cg11187245	6	31323397	HLA-B	6.09E-07	9.44E-04	0.688	0.661	-0.027
cg05712639	14	52819386		6.72E-07	1.02E-03	0.362	0.317	-0.045
cg13943760	10	75313642	USP54	7.04E-07	1.05E-03	0.58	0.55	-0.03
cg14646039	5	152729842		7.21E-07	1.07E-03	0.67	0.695	0.025
cg13304609	1	79085162	IFI44L	7.88E-07	1.15E-03	0.804	0.759	-0.045
cg24769830	3	108041508	HHLA2	8.33E-07	1.21E-03	0.519	0.491	-0.028
cg25569341	2	240201981	HDAC4	8.49E-07	1.23E-03	0.708	0.682	-0.026
cg04582010	11	313120	IFITM1	9.53E-07	1.35E-03	0.479	0.436	-0.043
cg27192248	15	65285669		9.79E-07	1.38E-03	0.289	0.259	-0.03
cg19729930	2	74357872		1.01E-06	1.41E-03	0.456	0.481	0.025
cg22872396	2	167222673	SCN9A	1.05E-06	1.45E-03	0.679	0.651	-0.028
cg23944400	15	36249835		1.11E-06	1.51E-03	0.559	0.588	0.029
cg27562174	4	100065446	ADH4;	1.12E-06	1.52E-03	0.762	0.732	-0.03
cg10482508	1	1291064	MXRA8	1.17E-06	1.57E-03	0.231	0.269	0.038
cg08762424	6	31275881		1.20E-06	1.60E-03	0.545	0.516	-0.029
cg19965693	2	163175743	IFIH1	1.22E-06	1.61E-03	0.321	0.294	-0.027
cg12439232	6	33877291		1.33E-06	1.73E-03	0.563	0.591	0.028
cg03088446	5	11720546	CTNND2	1.37E-06	1.77E-03	0.667	0.697	0.03
cg08296601	16	420255	MRPL28	1.46E-06	1.84E-03	0.411	0.445	0.034
cg05033636	12	25897495		1.49E-06	1.87E-03	0.768	0.794	0.026
cg22151281	9	80850856	CEP78	1.50E-06	1.87E-03	0.242	0.203	-0.039
cg13541527	6	31804078	C6orf48;	1.57E-06	1.95E-03	0.476	0.449	-0.027
cg06033320	8	66750110	PDE7A	1.63E-06	2.01E-03	0.554	0.496	-0.058

cg12741065	22	36462005		1.78E-06	2.15E-03	0.106	0.079	-0.027
cg17049032	12	53473304	SPRYD3	1.95E-06	2.32E-03	0.213	0.188	-0.025
cg05898482	7	152373203	XRCC2	1.97E-06	2.34E-03	0.33	0.262	-0.068
cg05523603	22	50973101		2.06E-06	2.43E-03	0.603	0.563	-0.04
cg17069396	20	2731102	EBF4	2.09E-06	2.45E-03	0.311	0.337	0.026
cg01534423	17	18965556		2.13E-06	2.49E-03	0.313	0.283	-0.03
cg25098876	6	38607840	BTBD9	2.35E-06	2.71E-03	0.258	0.23	-0.028
cg18493069	6	108582623	SNX3	2.37E-06	2.72E-03	0.217	0.171	-0.046
cg09161455	17	38255871	NR1D1	2.51E-06	2.86E-03	0.311	0.339	0.028
cg13629798	3	50685355	MAPKAPK3	2.99E-06	3.26E-03	0.75	0.779	0.029
cg14759944	5	80009589	MSH3	3.03E-06	3.30E-03	0.545	0.514	-0.031
cg18561199	14	95027379	SERPINA4	3.32E-06	3.51E-03	0.522	0.488	-0.034
cg17749261	3	156392701	TIPARP-AS1	3.32E-06	3.51E-03	0.258	0.216	-0.042
cg16222083	1	212209131	DTL; INTS7	3.52E-06	3.67E-03	0.286	0.252	-0.034
cg06600444	3	182041573		3.69E-06	3.79E-03	0.664	0.706	0.042
cg16474696	19	13875014	MRI1	3.81E-06	3.86E-03	0.33	0.303	-0.027
cg10308785	17	46673625	LOC404266;	3.97E-06	3.94E-03	0.457	0.419	-0.038
cg15378061	7	93638064		4.01E-06	3.97E-03	0.208	0.237	0.029
cg08926253	11	614761	IRF7	4.36E-06	4.22E-03	0.487	0.447	-0.04
cg15049439	19	7167445	INSR	4.40E-06	4.25E-03	0.822	0.848	0.026
cg05218559	16	34731612		4.82E-06	4.54E-03	0.666	0.692	0.026
cg12088946	11	5645913	TRIM6-TRIM34	4.85E-06	4.56E-03	0.508	0.482	-0.026
cg11715858	7	1267228		5.28E-06	4.89E-03	0.584	0.556	-0.028
cg14384230	11	90471056	DISC1FP1	5.46E-06	5.03E-03	0.513	0.543	0.03
cg25940202	1	207984794		5.77E-06	5.23E-03	0.772	0.8	0.028
cg02423716	12	3980162	PARP11	6.25E-06	5.53E-03	0.719	0.694	-0.025
cg23379566	3	149094892	TM4SF1; TM4SF1-	6.59E-06	5.76E-03	0.666	0.64	-0.026
cg14741581	7	140361179		6.66E-06	5.81E-03	0.692	0.718	0.026
cg20171451	20	23420109	CSTL1	6.84E-06	5.91E-03	0.501	0.536	0.035
cg24217756	3	180707510	DNAJC19	9.73E-06	7.63E-03	0.258	0.228	-0.03
cg12110437	8	144098888	LY6E;	9.75E-06	7.63E-03	0.394	0.352	-0.042
cg26437112	11	58869855		9.80E-06	7.64E-03	0.152	0.186	0.034
cg26856031	12	110151864	FAM222A	1.07E-05	8.16E-03	0.199	0.171	-0.028
cg02362841	4	92679779		1.15E-05	8.52E-03	0.644	0.618	-0.026
cg16526137	16	68573552	ZFP90	1.29E-05	9.32E-03	0.167	0.14	-0.027

cg13587253	10	101116763	CNNM1	1.30E-05	9.38E-03	0.464	0.49	0.026
cg23923934	6	31322914	HLA-B	1.42E-05	9.96E-03	0.611	0.583	-0.028
cg11988169	5	52839242		1.46E-05	1.02E-02	0.369	0.338	-0.031
cg06316758	13	31073758		1.53E-05	1.05E-02	0.6	0.627	0.027
cg18705039	11	118307669	MLL	1.62E-05	1.10E-02	0.21	0.184	-0.026
cg21115391	11	93143810	CCDC67	1.64E-05	1.10E-02	0.656	0.686	0.03
cg26336429	12	95467361	NR2C1	1.76E-05	1.16E-02	0.248	0.213	-0.035
cg04634182	3	42699215	ZBTB47	1.76E-05	1.16E-02	0.741	0.774	0.033
cg23380496	19	3831859	ZFR2	1.86E-05	1.20E-02	0.688	0.717	0.029
cg18540455	3	33759827	CLASP2	1.98E-05	1.25E-02	0.356	0.319	-0.037
cg27374674	17	9992019	GAS7	2.17E-05	1.33E-02	0.791	0.817	0.026
cg11871820	6	131949485	MED23	2.23E-05	1.35E-02	0.165	0.139	-0.026
cg02050512	7	38503404	AMPH	2.25E-05	1.36E-02	0.634	0.604	-0.03
cg02766704	7	117470793	CTTNBP2	2.26E-05	1.36E-02	0.71	0.74	0.03
cg15365744	12	106849290	POLR3B	2.29E-05	1.37E-02	0.624	0.656	0.032
cg06487943	16	11319398		2.38E-05	1.40E-02	0.304	0.278	-0.026
cg00955808	6	21754525	FLJ22536	2.38E-05	1.40E-02	0.534	0.565	0.031
cg19508671	15	52392809		2.39E-05	1.41E-02	0.653	0.622	-0.031
cg01741606	22	34199319	LARGE	2.88E-05	1.58E-02	0.625	0.652	0.027
cg10531688	3	184098596	THPO; CHR1	2.99E-05	1.62E-02	0.169	0.141	-0.028
cg08806261	3	39399268		3.25E-05	1.72E-02	0.684	0.717	0.033
cg01877318	17	45266772	CDC27	3.28E-05	1.73E-02	0.2	0.17	-0.03
cg07740693	6	41339616		3.36E-05	1.76E-02	0.203	0.167	-0.036
cg23691090	22	46449981	C22orf26;	3.53E-05	1.82E-02	0.126	0.1	-0.026
cg00993799	7	104653126	LOC100216545	3.59E-05	1.84E-02	0.157	0.119	-0.038
cg01017244	2	74357527		3.60E-05	1.84E-02	0.638	0.665	0.027
cg04798314	1	246668601	SMYD3	3.87E-05	1.94E-02	0.765	0.732	-0.033
cg24023352	10	49540488	MAPK8	4.04E-05	1.98E-02	0.652	0.625	-0.027
cg13343932	17	76355061	SOCS3;	4.04E-05	1.98E-02	0.502	0.474	-0.028
cg09199338	4	178674883	LINC01098	4.06E-05	1.99E-02	0.436	0.408	-0.028
cg10846936	17	78151814	CARD14	4.34E-05	2.07E-02	0.635	0.667	0.032
cg10410412	10	5617743		4.34E-05	2.07E-02	0.714	0.741	0.027
cg02218090	16	28276254		4.86E-05	2.24E-02	0.348	0.373	0.025
cg22494142	15	40401263	BMF	5.21E-05	2.34E-02	0.264	0.235	-0.029
cg27016163	2	176957467	HOXD13	5.24E-05	2.34E-02	0.234	0.199	-0.035

cg06404175	20	3052692	OXT	5.30E-05	2.36E-02	0.161	0.126	-0.035
cg01427108	3	46484379	LTF	5.45E-05	2.41E-02	0.522	0.56	0.038
cg05697637	4	42659358	ATP8A1	5.69E-05	2.47E-02	0.206	0.174	-0.032
cg01166480	22	29601692	EMID1	5.87E-05	2.53E-02	0.313	0.261	-0.052
cg17880750	9	95618772	ZNF484	5.97E-05	2.56E-02	0.613	0.641	0.028
cg06908328	8	8578965		5.98E-05	2.56E-02	0.433	0.463	0.03
cg23876832	11	62092739		6.14E-05	2.61E-02	0.32	0.346	0.026
cg04292836	X	23761484	ACOT9	6.83E-05	2.79E-02	0.395	0.421	0.026
cg05231366	17	1303810	YWHAE	7.06E-05	2.84E-02	0.246	0.219	-0.027
cg01952234	11	32457130	WT1	7.61E-05	2.99E-02	0.376	0.345	-0.031
cg25635304	16	67563133	FAM65A;	7.80E-05	3.04E-02	0.178	0.14	-0.038
cg22711847	6	89012204		7.86E-05	3.05E-02	0.767	0.799	0.032
cg04253214	1	78942099		8.53E-05	3.24E-02	0.527	0.502	-0.025
cg01948202	3	122400474	PARP14	8.68E-05	3.27E-02	0.266	0.221	-0.045
cg16759545	6	6316435	F13A1	8.73E-05	3.28E-02	0.605	0.635	0.03
cg11024449	X	70150787	SLC7A3	8.85E-05	3.31E-02	0.496	0.523	0.027
cg08444004	2	240086178	HDAC4	9.80E-05	3.55E-02	0.59	0.615	0.025
cg16120422	12	113590924	CCDC42B	1.08E-04	3.78E-02	0.204	0.17	-0.034
cg17036785	12	110906113	FAM216A; GPN3	1.09E-04	3.80E-02	0.197	0.159	-0.038
cg09720515	X	71792701	HDAC8	1.14E-04	3.92E-02	0.417	0.444	0.027
cg26393261	6	16467598	ATXN1	1.16E-04	3.95E-02	0.693	0.72	0.027
cg25364859	12	50222202	LOC100286844;	1.16E-04	3.96E-02	0.205	0.176	-0.029
cg25374269	13	44887281		1.16E-04	3.96E-02	0.478	0.446	-0.032
cg17267260	5	12322		1.28E-04	4.22E-02	0.643	0.674	0.031
cg25755428	19	13875111	MRI1	1.29E-04	4.24E-02	0.661	0.629	-0.032
cg00840791	19	16453259		1.36E-04	4.36E-02	0.438	0.402	-0.036
cg12697442	11	101981167	YAP1	1.42E-04	4.51E-02	0.467	0.425	-0.042
cg13390975	5	34915890	BRX1; RAD1	1.48E-04	4.62E-02	0.164	0.136	-0.028
cg13762451	5	140246217	PCDHA11;	1.48E-04	4.62E-02	0.498	0.471	-0.027
cg02478448	13	37006063	CCNA1	1.53E-04	4.71E-02	0.231	0.202	-0.029
cg21610839	3	23861312	UBE2E1	1.58E-04	4.80E-02	0.549	0.578	0.029
cg16880783	19	13227289	TRMT1	1.60E-04	4.85E-02	0.383	0.341	-0.042
cg16022555	17	43394535	MAP3K14	1.68E-04	4.99E-02	0.202	0.176	-0.026