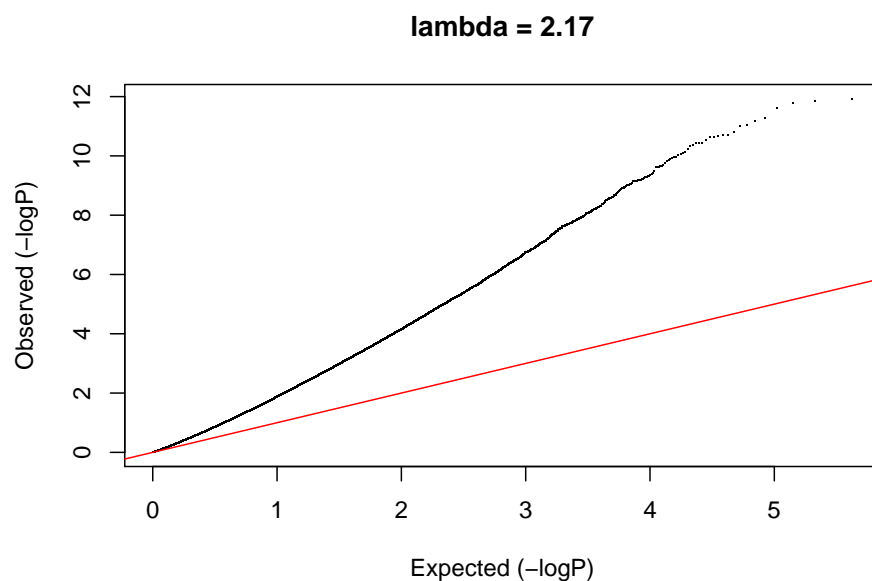


# EWAS for Incident CVD Events

## EWAS

### Discovery in WHI

- Cox proportional hazards regression
- Covariates: age, race, BMI, current smoking status, pack-years, WBC count estimates, 10 control-probe PCs



CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg01341755	TRUE	0e+00	0.0000002	CYP51A1;CYP51A1
cg01980454	FALSE	0e+00	0.0000002	
cg14457452	TRUE	0e+00	0.0000002	CDK5RAP2;CDK5RAP2
cg02268171	TRUE	0e+00	0.0000003	
cg09180070	FALSE	0e+00	0.0000004	
cg13690063	FALSE	0e+00	0.0000005	APBB2;APBB2;APBB2
cg24091104	FALSE	0e+00	0.0000005	
cg10201663	FALSE	0e+00	0.0000005	
cg04867634	FALSE	0e+00	0.0000007	SLC17A2
cg13149767	FALSE	0e+00	0.0000007	MARCH1;MARCH1
cg11855156	TRUE	0e+00	0.0000007	KLK5;KLK5;KLK5
cg19908485	TRUE	0e+00	0.0000007	
cg13453904	FALSE	0e+00	0.0000007	
cg10504660	FALSE	0e+00	0.0000007	PCYOX1L
cg17078629	TRUE	0e+00	0.0000008	RTP2;RTP2
cg06872964	TRUE	0e+00	0.0000009	IFI44L
cg03544502	FALSE	0e+00	0.0000009	KLHL28
cg23369111	FALSE	0e+00	0.0000009	C18orf26
cg24270710	TRUE	0e+00	0.0000010	
cg24656005	FALSE	0e+00	0.0000010	
cg15681597	FALSE	0e+00	0.0000012	LOC284440

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg13517968	FALSE	0e+00	0.0000014	UPK1A
cg23673980	FALSE	0e+00	0.0000014	FSCN1
cg11350586	TRUE	0e+00	0.0000015	SOX9
cg25817503	TRUE	0e+00	0.0000015	AFAP1;AFAP1
cg01978746	TRUE	0e+00	0.0000017	GAK
cg03042149	FALSE	0e+00	0.0000017	PDE8A;PDE8A
cg02271943	FALSE	0e+00	0.0000017	COMTD1
cg05696877	TRUE	0e+00	0.0000019	IFI44L
cg00656991	FALSE	0e+00	0.0000020	FAM135A;FAM135A;FAM135A;FAM135A
cg10289305	TRUE	0e+00	0.0000020	PEX5L
cg03607951	TRUE	0e+00	0.0000023	IFI44L
cg06901369	TRUE	0e+00	0.0000026	NXN
cg14077010	FALSE	0e+00	0.0000027	NARS2;NARS2;NARS2
cg16674248	FALSE	0e+00	0.0000027	TTC38
cg05441651	FALSE	0e+00	0.0000027	ABCG1;ABCG1;ABCG1;ABCG1;ABCG1;ABCG1
cg15939347	FALSE	0e+00	0.0000027	TSNARE1
cg08822227	TRUE	0e+00	0.0000027	SH3BP2;SH3BP2;SH3BP2;SH3BP2
cg07156138	FALSE	0e+00	0.0000036	ADARB2
cg06220235	FALSE	0e+00	0.0000039	SOCS1
cg14193481	FALSE	0e+00	0.0000042	PREP;PREP
cg09502339	TRUE	0e+00	0.0000043	COL11A2;COL11A2;COL11A2
cg16585306	FALSE	0e+00	0.0000046	ZDHHC22
cg06325209	FALSE	0e+00	0.0000046	DDR2;DDR2
cg11404992	TRUE	0e+00	0.0000046	SGCD;SGCD;SGCD
cg09555323	TRUE	0e+00	0.0000046	HLA-DQB1
cg02761960	FALSE	0e+00	0.0000051	CTDP1;CTDP1
cg08217239	FALSE	0e+00	0.0000051	RB1CC1;RB1CC1;RB1CC1;RB1CC1
cg02999390	FALSE	0e+00	0.0000052	
cg16585770	FALSE	0e+00	0.0000052	ILDR1
cg05120527	FALSE	0e+00	0.0000052	
cg22557711	FALSE	0e+00	0.0000052	OLFM2
cg13813258	FALSE	0e+00	0.0000052	COLEC11;COLEC11
cg09339818	TRUE	0e+00	0.0000053	
cg06921319	FALSE	0e+00	0.0000053	
cg23181138	FALSE	0e+00	0.0000053	AGTPBP1;AGTPBP1
cg17656691	FALSE	0e+00	0.0000053	
cg12802286	FALSE	0e+00	0.0000053	LAMA2;LAMA2
cg03983058	TRUE	0e+00	0.0000059	ADAMTS18
cg01566169	TRUE	0e+00	0.0000061	ODF3L2
cg17775899	FALSE	0e+00	0.0000061	
cg19875969	TRUE	0e+00	0.0000064	FAM172A;FAM172A;FAM172A;FAM172A;MIR2277
cg15392900	TRUE	0e+00	0.0000064	MPP3;MPP3
cg09986651	FALSE	0e+00	0.0000064	CDK5R1
cg04632671	FALSE	0e+00	0.0000064	PPARG;PPARG;PPARG
cg25354127	TRUE	0e+00	0.0000068	PAQR9
cg25875213	FALSE	0e+00	0.0000068	ZNF781;ZNF781
cg09532898	FALSE	0e+00	0.0000072	EPS8L2
cg01870903	FALSE	0e+00	0.0000072	DCAF13;SLC25A32
cg09246302	TRUE	0e+00	0.0000072	C7orf53;C7orf53;C7orf53
cg18418059	TRUE	0e+00	0.0000073	IFT172
cg07656751	FALSE	0e+00	0.0000074	SYCE1L;MON1B
cg13871187	FALSE	0e+00	0.0000076	ABLM2;ABLM2;ABLM2;ABLM2;ABLM2;ABLM2

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg17497172	TRUE	0e+00	0.0000082	DEFB123
cg13657981	FALSE	0e+00	0.0000085	CALD1;CALD1;CALD1
cg01013023	FALSE	0e+00	0.0000091	GLI3
cg11718501	TRUE	0e+00	0.0000092	BSX
cg01413546	FALSE	0e+00	0.0000094	SATB2
cg00290506	FALSE	0e+00	0.0000106	CNIH3;CNIH3
cg22664428	TRUE	0e+00	0.0000110	DGCR11;DGCR2
cg17922326	TRUE	0e+00	0.0000111	ADARB2
cg00134843	FALSE	0e+00	0.0000111	PGS1
cg18519988	FALSE	0e+00	0.0000114	NOD1
cg25736830	TRUE	0e+00	0.0000120	KLC2
cg18843595	TRUE	0e+00	0.0000120	
cg14575076	TRUE	0e+00	0.0000121	
cg15192688	FALSE	0e+00	0.0000126	COMMD3
cg05741490	TRUE	0e+00	0.0000126	FDX1
cg12853521	FALSE	0e+00	0.0000126	MC5R
cg02287150	TRUE	0e+00	0.0000126	
cg13380624	TRUE	0e+00	0.0000127	
cg02796773	FALSE	0e+00	0.0000135	PTPN13;PTPN13;PTPN13;PTPN13;PTPN13;PTPN13;PTPN13;PTPN13
cg19251514	TRUE	0e+00	0.0000135	
cg10318222	FALSE	0e+00	0.0000135	GABRA5;GABRA5;GABRA5
cg02522760	FALSE	0e+00	0.0000136	FGF8;FGF8;FGF8;FGF8
cg22637834	FALSE	0e+00	0.0000136	AKT3;AKT3
cg13534536	TRUE	0e+00	0.0000141	AFAP1;AFAP1
cg23237611	FALSE	0e+00	0.0000151	MSH4
cg02978150	FALSE	0e+00	0.0000166	PATE4
cg25749017	FALSE	0e+00	0.0000166	
cg03758477	FALSE	0e+00	0.0000170	SEC14L1;SEC14L1;SEC14L1;SEC14L1;SEC14L1
cg02749735	TRUE	0e+00	0.0000170	DGKG;DGKG;DGKG
cg07155318	TRUE	0e+00	0.0000170	
cg19915997	FALSE	0e+00	0.0000194	COLQ;COLQ;COLQ
cg23071997	TRUE	0e+00	0.0000195	SLC5A9;SLC5A9
cg09662411	TRUE	0e+00	0.0000197	GFI1;GFI1;GFI1
cg14200859	FALSE	0e+00	0.0000198	RALGPS1
cg11811743	FALSE	0e+00	0.0000199	USP38;USP38
cg24613479	FALSE	0e+00	0.0000199	HECW2
cg08011146	FALSE	0e+00	0.0000209	DNAJB6
cg24503712	FALSE	0e+00	0.0000209	TDRKH;TDRKH;TDRKH;TDRKH
cg24229819	FALSE	0e+00	0.0000212	DUSP3
cg03104561	TRUE	0e+00	0.0000212	TMUB1;TMUB1;TMUB1
cg03750903	FALSE	0e+00	0.0000216	
cg23661344	TRUE	0e+00	0.0000216	PLD6
cg23954629	FALSE	0e+00	0.0000220	TBCEL;TBCEL
cg04589521	TRUE	0e+00	0.0000220	
cg20474370	FALSE	0e+00	0.0000220	PIK3R1;PIK3R1;PIK3R1
cg26312951	TRUE	0e+00	0.0000220	MX1;MX1
cg26432347	FALSE	0e+00	0.0000226	FLOT1
cg16315668	FALSE	0e+00	0.0000228	CCDC14
cg05206633	TRUE	0e+00	0.0000234	COL23A1
cg18448565	FALSE	0e+00	0.0000234	FAM124A
cg11832662	FALSE	0e+00	0.0000242	RIMBP2
cg06854502	FALSE	0e+00	0.0000252	C1orf151

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg12297440	TRUE	0e+00	0.0000256	PTPRN2;PTPRN2;PTPRN2
cg00183916	FALSE	0e+00	0.0000256	HS3ST3B1
cg14781541	FALSE	0e+00	0.0000256	SFPQ
cg02057311	FALSE	0e+00	0.0000262	ASB18
cg02307664	FALSE	0e+00	0.0000263	
cg19693031	TRUE	0e+00	0.0000263	TXNIP
cg21452281	TRUE	0e+00	0.0000266	
cg03961551	TRUE	0e+00	0.0000267	RUNX3;RUNX3
cg24873171	TRUE	0e+00	0.0000267	EPB42;EPB42
cg09343327	FALSE	0e+00	0.0000267	LYRM1;DCUN1D3;LYRM1;LYRM1
cg25354466	TRUE	0e+00	0.0000267	
cg08679800	FALSE	0e+00	0.0000267	
cg16921014	FALSE	0e+00	0.0000267	SMAD1;SMAD1
cg24599249	FALSE	0e+00	0.0000267	FZD1
cg19761637	TRUE	0e+00	0.0000290	
cg00440841	FALSE	0e+00	0.0000297	RRM2B
cg14847628	TRUE	0e+00	0.0000304	RAB22A
cg17504341	TRUE	0e+00	0.0000307	
cg16238351	FALSE	0e+00	0.0000311	GABRB3;GABRB3
cg02282041	FALSE	0e+00	0.0000311	CDH13
cg13011713	TRUE	0e+00	0.0000324	DNAJC13
cg04297093	FALSE	0e+00	0.0000324	KRTAP19-3
cg01265531	FALSE	0e+00	0.0000324	SYT8
cg08275282	TRUE	0e+00	0.0000329	
cg09143012	FALSE	0e+00	0.0000329	
cg18317474	FALSE	0e+00	0.0000329	IL27RA;IL27RA
cg23666618	FALSE	0e+00	0.0000329	
cg00581617	FALSE	0e+00	0.0000333	SYF2;SYF2
cg25680628	TRUE	0e+00	0.0000336	MAP3K8
cg20686918	TRUE	0e+00	0.0000336	SMOC2;SMOC2
cg14210447	FALSE	0e+00	0.0000340	
cg07810677	FALSE	0e+00	0.0000341	COL25A1;COL25A1
cg08141806	FALSE	0e+00	0.0000343	FBXO21;FBXO21
cg07803236	TRUE	0e+00	0.0000354	FAM172A;FAM172A;FAM172A;FAM172A;MIR2277
cg26540370	FALSE	0e+00	0.0000354	MUM1;MUM1
cg19736712	FALSE	0e+00	0.0000354	ANKRD16;ANKRD16;ANKRD16;FBXO18
cg22953687	FALSE	0e+00	0.0000355	ZFYVE28
cg03719984	FALSE	0e+00	0.0000360	
cg24159575	TRUE	0e+00	0.0000361	MACF1
cg01233518	FALSE	0e+00	0.0000361	SIK1
cg12594716	FALSE	0e+00	0.0000364	
cg24769369	FALSE	0e+00	0.0000367	PCDHB4
cg25389065	FALSE	0e+00	0.0000375	C2orf3
cg11344352	FALSE	0e+00	0.0000384	ERCC1;ERCC1;ERCC1
cg05014405	FALSE	0e+00	0.0000384	ZNF706;ZNF706;ZNF706;ZNF706;ZNF706
cg11232245	FALSE	0e+00	0.0000384	
cg20160565	FALSE	0e+00	0.0000384	LRP8;LRP8;LRP8;LRP8
cg19509405	FALSE	0e+00	0.0000384	
cg14332367	TRUE	0e+00	0.0000389	CCDC40
cg02113429	TRUE	0e+00	0.0000390	OVOL2
cg22892437	TRUE	0e+00	0.0000395	HPSE2;HPSE2;HPSE2;HPSE2
cg07324031	FALSE	0e+00	0.0000395	GPRC5C;GPRC5C

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg04006352	FALSE	0e+00	0.0000414	
cg01046593	FALSE	0e+00	0.0000422	HSF2BP;RRP1B;RRP1B
cg08979870	TRUE	0e+00	0.0000422	
cg07901143	FALSE	0e+00	0.0000422	TP73
cg07675998	FALSE	0e+00	0.0000423	
cg01868838	TRUE	0e+00	0.0000424	
cg09597785	FALSE	0e+00	0.0000424	ZXDC;ZXDC
cg10411388	FALSE	0e+00	0.0000429	ZBTB9;ZBTB9
cg02551232	FALSE	0e+00	0.0000429	INPP4A;INPP4A;INPP4A;INPP4A
cg23138119	FALSE	0e+00	0.0000430	GCA
cg01755703	FALSE	0e+00	0.0000432	ERC1;ERC1;ERC1;ERC1;ERC1
cg04573959	FALSE	0e+00	0.0000436	LONRF1
cg15927330	FALSE	0e+00	0.0000436	RGL2;RGL2
cg00868875	FALSE	0e+00	0.0000436	KCTD1;KCTD1;KCTD1
cg18622494	FALSE	0e+00	0.0000441	IMPDH1;IMPDH1;IMPDH1;IMPDH1;IMPDH1;IMPDH1;IMPDH1;IMPDH1
cg21451869	TRUE	0e+00	0.0000442	MMP9
cg06619299	FALSE	0e+00	0.0000442	GMCL1L
cg16692668	FALSE	0e+00	0.0000442	RUSC1;RUSC1;RUSC1;RUSC1
cg06544376	FALSE	0e+00	0.0000442	LOC388789
cg03307465	FALSE	0e+00	0.0000442	SLC8A1
cg11203797	FALSE	0e+00	0.0000443	EHMT2;EHMT2
cg10983199	FALSE	0e+00	0.0000443	
cg02148975	TRUE	0e+00	0.0000448	
cg00115984	FALSE	0e+00	0.0000450	TOPORS
cg03469079	FALSE	0e+00	0.0000451	PDXP
cg23463533	TRUE	0e+00	0.0000455	DPP6;DPP6;DPP6
cg15309421	TRUE	0e+00	0.0000462	
cg19437183	TRUE	0e+00	0.0000466	LOC100192378
cg17940495	FALSE	0e+00	0.0000467	
cg24879939	FALSE	0e+00	0.0000467	PRDM16;PRDM16
cg15800012	TRUE	0e+00	0.0000467	PCSK6;PCSK6;PCSK6;PCSK6
cg01703993	TRUE	0e+00	0.0000467	
cg15913725	FALSE	0e+00	0.0000467	TSSC1
cg01429360	FALSE	0e+00	0.0000467	IGF2BP3
cg08750053	FALSE	0e+00	0.0000467	DMC1
cg23076591	FALSE	0e+00	0.0000467	MN1
cg19473369	FALSE	0e+00	0.0000468	
cg16226627	FALSE	0e+00	0.0000481	SCAMP5
cg07742017	FALSE	0e+00	0.0000484	
cg06937997	TRUE	0e+00	0.0000510	PTGER3;PTGER3;PTGER3;PTGER3;PTGER3;PTGER3;PTGER3;PTGER3
cg05537387	TRUE	0e+00	0.0000518	EGFR;EGFR;EGFR;EGFR
cg16306898	FALSE	0e+00	0.0000518	C1orf70
cg25116216	FALSE	0e+00	0.0000519	GAS7
cg18717329	FALSE	0e+00	0.0000522	
cg18911945	FALSE	0e+00	0.0000522	L3MBTL;L3MBTL
cg10364109	FALSE	0e+00	0.0000522	JAKMIP3
cg14577174	TRUE	0e+00	0.0000537	
cg18196463	FALSE	0e+00	0.0000537	SLC12A7
cg04690482	TRUE	0e+00	0.0000552	FAM83B
cg21845713	FALSE	0e+00	0.0000552	HYLS1;HYLS1
cg26027442	TRUE	0e+00	0.0000552	
cg14238376	FALSE	0e+00	0.0000552	

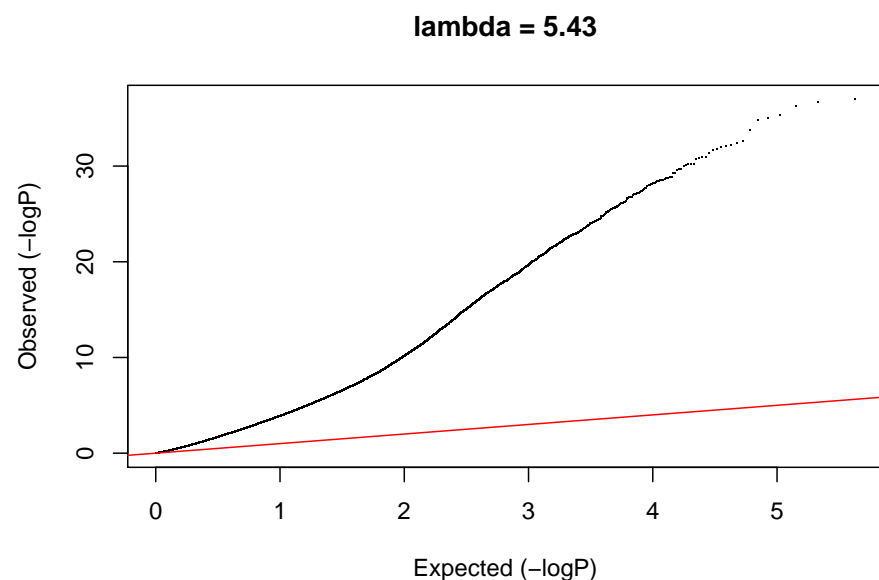
CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg10988336	TRUE	0e+00	0.0000555	PCSK1
cg10196071	FALSE	0e+00	0.0000555	
cg23434943	FALSE	0e+00	0.0000571	TECTA
cg08105396	FALSE	0e+00	0.0000571	S100A2
cg15688980	TRUE	0e+00	0.0000593	
cg26332535	FALSE	0e+00	0.0000593	RPTOR;RPTOR
cg00207534	FALSE	0e+00	0.0000600	KIAA0174
cg26816426	TRUE	0e+00	0.0000607	JPH1
cg19622597	TRUE	0e+00	0.0000607	ZBTB20;ZBTB20;ZBTB20;ZBTB20;ZBTB20;ZBTB20
cg10423757	FALSE	0e+00	0.0000610	TMEM155;LOC100192379
cg11253042	TRUE	0e+00	0.0000616	
cg27538070	FALSE	0e+00	0.0000623	
cg00186207	FALSE	0e+00	0.0000629	
cg25144149	TRUE	0e+00	0.0000630	
cg06352072	FALSE	0e+00	0.0000660	RNF152
cg17965712	TRUE	0e+00	0.0000681	
cg08122652	TRUE	0e+00	0.0000681	PARP9;PARP9;DTX3L;PARP9;PARP9;PARP9;PARP9
cg23158347	FALSE	0e+00	0.0000685	C6orf57
cg16501033	TRUE	0e+00	0.0000689	SGCD;SGCD;SGCD
cg03472851	FALSE	0e+00	0.0000689	LATS1
cg14958757	TRUE	0e+00	0.0000692	IKZF5;IKZF5;ACADSB
cg02966200	FALSE	0e+00	0.0000696	SERPINE2;SERPINE2;SERPINE2;SERPINE2
cg26493059	FALSE	0e+00	0.0000710	
cg10737766	FALSE	0e+00	0.0000713	ACTR1B
cg01070907	TRUE	0e+00	0.0000720	
cg18449997	FALSE	0e+00	0.0000725	PTRF
cg00862116	TRUE	0e+00	0.0000727	ABCB1
cg06149981	TRUE	0e+00	0.0000727	MUC5B
cg16546017	FALSE	0e+00	0.0000727	XYLT1
cg15852841	FALSE	0e+00	0.0000761	
cg03247128	FALSE	0e+00	0.0000762	IQCA1
cg02472291	TRUE	0e+00	0.0000762	C8orf45;C8orf45;C8orf45;C8orf45;C8orf45
cg08990543	TRUE	0e+00	0.0000762	PAICS;PAICS;PAICS
cg00292568	TRUE	0e+00	0.0000762	SFRS12IP1;SDCCAG10
cg07338782	FALSE	0e+00	0.0000778	ANO4
cg16244006	TRUE	0e+00	0.0000797	CCDC60
cg09906309	TRUE	1e-07	0.0000800	C11orf46
cg16682257	TRUE	1e-07	0.0000808	KIF26B
cg19199677	FALSE	1e-07	0.0000822	COL22A1
cg10332616	TRUE	1e-07	0.0000827	LRRC3B
cg12416053	FALSE	1e-07	0.0000839	ROBO2;ROBO2
cg26419426	FALSE	1e-07	0.0000853	SLC25A46
cg10266068	FALSE	1e-07	0.0000861	PGPEP1
cg17618528	FALSE	1e-07	0.0000883	HEG1
cg10160807	FALSE	1e-07	0.0000883	
cg19099833	FALSE	1e-07	0.0000892	CSRP1;CSRP1;CSRP1;CSRP1
cg26369667	FALSE	1e-07	0.0000913	YAP1;YAP1
cg21204870	FALSE	1e-07	0.0000913	PALM2;PALM2
cg00245538	FALSE	1e-07	0.0000913	PCDH20
cg00774088	FALSE	1e-07	0.0000914	ATP10A
cg05738715	TRUE	1e-07	0.0000919	KSR2
cg00899976	FALSE	1e-07	0.0000920	PMEPA1;PMEPA1;PMEPA1;PMEPA1

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg09920145	FALSE	1e-07	0.0000920	TMF1
cg13199639	FALSE	1e-07	0.0000922	KIFC1
cg15828828	TRUE	1e-07	0.0000923	ZNF566;ZNF566;ZNF566;ZNF566
cg02954015	FALSE	1e-07	0.0000947	PIGG;PIGG
cg15565533	TRUE	1e-07	0.0000954	IP6K1;IP6K1;GMPPB;GMPPB
cg07011512	TRUE	1e-07	0.0000954	
cg09567362	FALSE	1e-07	0.0000989	
cg08301525	FALSE	1e-07	0.0000989	NXN
cg14940898	TRUE	1e-07	0.0000991	
cg25007393	FALSE	1e-07	0.0001006	MMP17
cg04590366	FALSE	1e-07	0.0001024	
cg02222454	FALSE	1e-07	0.0001041	
cg13688329	FALSE	1e-07	0.0001046	
cg01205639	FALSE	1e-07	0.0001054	
cg25498327	FALSE	1e-07	0.0001054	SLC30A5;SLC30A5;SLC30A5
cg00032192	FALSE	1e-07	0.0001068	SNORD41;TNPO2;TNPO2;TNPO2
cg08024169	TRUE	1e-07	0.0001075	
cg25327122	FALSE	1e-07	0.0001076	HLA-DQB2
cg16087101	FALSE	1e-07	0.0001079	
cg10449866	FALSE	1e-07	0.0001095	ITGA3;ITGA3
cg23403350	FALSE	1e-07	0.0001101	PRR7
cg25884883	FALSE	1e-07	0.0001101	
cg01332181	FALSE	1e-07	0.0001101	SLC1A5;SLC1A5
cg18882912	TRUE	1e-07	0.0001101	MYO6
cg06553107	FALSE	1e-07	0.0001101	SIAH1
cg23055735	TRUE	1e-07	0.0001101	SHANK2
cg02775804	FALSE	1e-07	0.0001102	
cg18422172	TRUE	1e-07	0.0001121	CYP51A1;CYP51A1
cg03112680	FALSE	1e-07	0.0001127	RASAL2;LOC100302401;RASAL2
cg10762882	TRUE	1e-07	0.0001127	
cg09332309	FALSE	1e-07	0.0001127	CAMTA2;CAMTA2;CAMTA2;CAMTA2
cg19015711	TRUE	1e-07	0.0001127	EML4;EML4
cg17876581	FALSE	1e-07	0.0001127	ARHGAP10
cg08135787	FALSE	1e-07	0.0001129	HMGN4
cg08274661	FALSE	1e-07	0.0001147	CDC27;CDC27
cg18739391	FALSE	1e-07	0.0001147	ZNF334;ZNF334
cg10659464	TRUE	1e-07	0.0001147	INS-IGF2;IGF2AS;IGF2;IGF2;IGF2AS;IGF2
cg26838636	FALSE	1e-07	0.0001147	OPA3;OPA3
cg11762968	TRUE	1e-07	0.0001147	
cg23640411	TRUE	1e-07	0.0001148	
cg09453685	FALSE	1e-07	0.0001151	
cg15411402	TRUE	1e-07	0.0001167	MTMR9;MTMR9
cg00656475	TRUE	1e-07	0.0001170	HGS;ARL16
cg12093930	FALSE	1e-07	0.0001171	IMPA1;IMPA1;IMPA1
cg13042926	TRUE	1e-07	0.0001188	GUCY1A2
cg15864834	FALSE	1e-07	0.0001191	
cg04321497	FALSE	1e-07	0.0001194	TTN;TTN;TTN;MIR548N;TTN
cg13069237	FALSE	1e-07	0.0001201	
cg05547221	FALSE	1e-07	0.0001215	CMTM6
cg11358840	FALSE	1e-07	0.0001215	TNRC18
cg13518992	TRUE	1e-07	0.0001215	ONECUT2
cg09283120	FALSE	1e-07	0.0001240	

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg06082920	FALSE	1e-07	0.0001245	TTC39A
cg14201324	FALSE	1e-07	0.0001245	MIR598;XKR6
cg12854371	TRUE	1e-07	0.0001271	LOC146880;LOC146880
cg10501629	FALSE	1e-07	0.0001326	ATP2B1;ATP2B1
cg24297049	FALSE	1e-07	0.0001328	CCNA1;CCNA1;CCNA1;CCNA1
cg15474435	FALSE	1e-07	0.0001332	COL6A6
cg14233604	TRUE	1e-07	0.0001335	
cg23667572	FALSE	1e-07	0.0001335	SMARCA4;SMARCA4;SMARCA4;SMARCA4;SMARCA4;SMARCA4;
cg09799983	FALSE	1e-07	0.0001353	CYP1B1
cg18358723	TRUE	1e-07	0.0001353	LOC645323
cg10682566	FALSE	1e-07	0.0001367	
cg02301769	FALSE	1e-07	0.0001368	TRIM39;TRIM39
cg23093664	TRUE	1e-07	0.0001368	
cg27099991	FALSE	1e-07	0.0001368	NLRP2
cg18005828	TRUE	1e-07	0.0001399	
cg08680007	TRUE	1e-07	0.0001410	
cg01289140	FALSE	1e-07	0.0001420	USP49
cg03687700	TRUE	1e-07	0.0001420	FKBP1B;FKBP1B

351 CpG sites were significant after Bonferroni correction.

## Replication in FHS



CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg25486143	TRUE	0e+00	0.0e+00	RASSF1;RASSF1
cg09293387	TRUE	0e+00	0.0e+00	AGPAT5
cg14868663	TRUE	0e+00	0.0e+00	C14orf133;AHSA1
cg19316303	TRUE	0e+00	0.0e+00	WARS2;WARS2
cg26689765	TRUE	0e+00	0.0e+00	ITGA1;PELO
cg03883519	TRUE	0e+00	0.0e+00	MFSD8;C4orf29;C4orf29
cg11189052	TRUE	0e+00	0.0e+00	WDR73



CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg14797322	TRUE	0e+00	0.0e+00	FAM119B;METTL1;METTL1;METTL1;METTL1;FAM119B
cg02805822	TRUE	0e+00	0.0e+00	RNASEK;C17orf49;C17orf49;C17orf49
cg18082080	TRUE	0e+00	0.0e+00	ULBP2
cg06060673	TRUE	0e+00	0.0e+00	CBX6
cg15082635	TRUE	0e+00	0.0e+00	GNB2L1;SNORD96A
cg05776084	TRUE	0e+00	0.0e+00	CDV3;CDV3;CDV3;CDV3
cg26473728	TRUE	0e+00	0.0e+00	KIFC1
cg23658326	TRUE	0e+00	0.0e+00	EPM2AIP1;MLH1;MLH1;MLH1;MLH1;EPM2AIP1
cg00014112	TRUE	0e+00	0.0e+00	GYPC;GYPC
cg08367275	TRUE	0e+00	0.0e+00	
cg17998013	TRUE	0e+00	0.0e+00	HACL1;HACL1;BTD
cg02054479	TRUE	0e+00	0.0e+00	LYRM1;DCUN1D3;LYRM1;LYRM1
cg27332111	TRUE	0e+00	0.0e+00	C1orf91;EIF3I
cg17428043	TRUE	0e+00	0.0e+00	LHX4
cg26983469	TRUE	0e+00	0.0e+00	VIM
cg04496246	TRUE	0e+00	0.0e+00	BIK
cg14460708	TRUE	0e+00	0.0e+00	NCEH1;NCEH1;NCEH1;NCEH1;NCEH1;NCEH1;NCEH1;NCEH1
cg26094752	TRUE	0e+00	0.0e+00	SNX6;SNX6
cg24802771	TRUE	0e+00	0.0e+00	ZNF141;ZNF141
cg20253639	TRUE	0e+00	0.0e+00	PTGES3
cg20718679	TRUE	0e+00	0.0e+00	ATG12;AP3S1;ATG12
cg05055720	TRUE	0e+00	0.0e+00	TCTA;RHOA
cg18471460	TRUE	0e+00	0.0e+00	CDKN3;CDKN3
cg01730274	TRUE	0e+00	0.0e+00	CLASP1;CLASP1;CLASP1
cg00655412	TRUE	0e+00	0.0e+00	CRYM;NCRNA00169
cg01883025	TRUE	0e+00	0.0e+00	DCTPP1
cg14400631	TRUE	0e+00	0.0e+00	PDE3B;PSMA1
cg01767202	TRUE	0e+00	0.0e+00	MBIP;MBIP
cg05852623	TRUE	0e+00	0.0e+00	C17orf53;C17orf53
cg14654194	TRUE	0e+00	0.0e+00	C1orf109
cg08795962	TRUE	0e+00	0.0e+00	PANX1
cg26538116	TRUE	0e+00	0.0e+00	LRPPRC
cg11151820	TRUE	0e+00	0.0e+00	CCT5;FAM173B
cg19967433	TRUE	0e+00	0.0e+00	ASGR1
cg17420218	TRUE	0e+00	0.0e+00	TTC32
cg18588934	TRUE	0e+00	0.0e+00	C9orf106
cg10076931	TRUE	0e+00	0.0e+00	HIST1H2AG;HIST1H2BJ;HIST1H2BJ
cg04404789	TRUE	0e+00	0.0e+00	ORC6L;VPS35
cg17211447	TRUE	0e+00	0.0e+00	APITD1;APITD1;APITD1
cg17206034	TRUE	0e+00	0.0e+00	OXSR1
cg21438706	TRUE	0e+00	0.0e+00	CDC14A;CDC14A;CDC14A
cg17502984	TRUE	0e+00	0.0e+00	TTK;TTK
cg20619374	TRUE	0e+00	0.0e+00	CDA
cg01971071	TRUE	0e+00	0.0e+00	DPH2;DPH2;DPH2;DPH2
cg14258555	TRUE	0e+00	0.0e+00	PRMT1;PRMT1;PRMT1
cg02482699	TRUE	0e+00	0.0e+00	
cg17467550	TRUE	0e+00	0.0e+00	RAD51;RAD51;RAD51;RAD51
cg13455597	TRUE	0e+00	0.0e+00	KIAA0020
cg09852199	TRUE	0e+00	0.0e+00	ZC3H11A;ZC3H11A
cg13063405	TRUE	0e+00	0.0e+00	EPHB3
cg04183933	TRUE	0e+00	0.0e+00	HSPD1;HSPD1;HSPE1
cg15806518	TRUE	0e+00	0.0e+00	PSMB7

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg17513693	TRUE	0e+00	0.0e+00	PPT2;PPT2;PPT2
cg14086659	TRUE	0e+00	0.0e+00	MRPS5
cg08238211	TRUE	0e+00	0.0e+00	DSN1;DSN1;DSN1;DSN1;DSN1
cg04490349	TRUE	0e+00	0.0e+00	ACTB
cg22256960	TRUE	0e+00	0.0e+00	
cg08319422	TRUE	0e+00	0.0e+00	
cg15012981	TRUE	0e+00	0.0e+00	MAD2L2;MAD2L2
cg22825116	TRUE	0e+00	0.0e+00	RPIA
cg00368987	TRUE	0e+00	0.0e+00	ZNF264
cg19822127	TRUE	0e+00	0.0e+00	IGDCC4
cg09548950	TRUE	0e+00	0.0e+00	RDH13;RDH13
cg20515787	TRUE	0e+00	0.0e+00	SART1
cg19102035	TRUE	0e+00	0.0e+00	
cg24000232	TRUE	0e+00	0.0e+00	POGK
cg10940651	TRUE	0e+00	0.0e+00	THADA;THADA
cg22714419	TRUE	0e+00	0.0e+00	PSMB8;PSMB8
cg05603938	TRUE	0e+00	0.0e+00	USP5;USP5;CDCA3;CDCA3
cg27121529	TRUE	0e+00	0.0e+00	ZKSCAN5;ZKSCAN5
cg11508669	TRUE	0e+00	0.0e+00	GAPDH
cg16247323	TRUE	0e+00	0.0e+00	HACL1;HACL1;BTD
cg01718711	TRUE	0e+00	0.0e+00	ERI1
cg26567249	TRUE	0e+00	0.0e+00	UQCRB;UQCRB
cg27011534	TRUE	0e+00	0.0e+00	LRPPRC
cg06361161	TRUE	0e+00	0.0e+00	TCTE3;C6orf70
cg17618194	TRUE	0e+00	0.0e+00	ZNHIT1;PLOD3;ZNHIT1
cg06522063	TRUE	0e+00	0.0e+00	WDR75;WDR75
cg24044479	TRUE	0e+00	0.0e+00	SLC22A15
cg26100149	TRUE	0e+00	0.0e+00	CPEB4
cg02547025	TRUE	0e+00	0.0e+00	LBH
cg16968115	TRUE	0e+00	0.0e+00	WDTC1
cg21619228	TRUE	0e+00	0.0e+00	ZNF540;ZNF571
cg07608032	TRUE	0e+00	0.0e+00	ZNF493;ZNF493;ZNF493
cg11786005	TRUE	0e+00	0.0e+00	PSMB1;TBP
cg06616476	TRUE	0e+00	0.0e+00	ZFR2
cg08209724	TRUE	0e+00	0.0e+00	MIR632;ZNF207;ZNF207;ZNF207
cg07504864	TRUE	0e+00	0.0e+00	NCRNA00120;AKIRIN2
cg08274589	TRUE	0e+00	0.0e+00	SHF;SHF
cg10531263	TRUE	0e+00	0.0e+00	ABLIM2;ABLIM2;ABLIM2;ABLIM2;ABLIM2;ABLIM2
cg03876184	TRUE	0e+00	0.0e+00	SUPT7L;SLC4A1AP
cg12637942	TRUE	0e+00	0.0e+00	NEAT1
cg23839792	TRUE	0e+00	0.0e+00	CCDC28A
cg04083430	TRUE	0e+00	0.0e+00	MGRN1;MGRN1;MGRN1;MGRN1
cg27275634	TRUE	0e+00	0.0e+00	DHX35
cg08366277	TRUE	0e+00	0.0e+00	NCEH1;NCEH1;NCEH1;NCEH1
cg25587211	TRUE	0e+00	0.0e+00	ANO10
cg05529236	TRUE	0e+00	0.0e+00	EEF1G;EEF1G
cg08440550	TRUE	0e+00	0.0e+00	FNIP1;FNIP1
cg12173535	TRUE	0e+00	0.0e+00	MBOAT7;MBOAT7;MBOAT7;MBOAT7;TSEN34;TSEN34;TSEN34
cg15768080	TRUE	0e+00	0.0e+00	KIAA1530
cg25636833	TRUE	0e+00	0.0e+00	PHF5A;ACO2
cg10794915	TRUE	0e+00	0.0e+00	SLFN5
cg09199291	TRUE	0e+00	0.0e+00	C17orf48;SCO1

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg26023938	TRUE	0e+00	0.0e+00	ATP5G1;ATP5G1
cg11674773	TRUE	0e+00	0.0e+00	TMEM59;C1orf83
cg24429881	TRUE	0e+00	0.0e+00	POGK
cg09507884	TRUE	0e+00	0.0e+00	LOC100130987
cg10639412	TRUE	0e+00	0.0e+00	FAM98A
cg24465118	TRUE	0e+00	0.0e+00	C20orf199;SNORD12C;C20orf199;C20orf199;ZNFX1
cg06787431	TRUE	0e+00	0.0e+00	ETV5
cg12426141	TRUE	0e+00	0.0e+00	TCF12;TCF12;LOC145783;TCF12;TCF12;TCF12;TCF12;TCF12;TCF12
cg23010414	TRUE	0e+00	0.0e+00	SLFN5
cg27203599	TRUE	0e+00	0.0e+00	RRP12;RRP12
cg06927280	TRUE	0e+00	0.0e+00	LEPROTL1;LEPROTL1
cg27173151	TRUE	0e+00	0.0e+00	ATP2B4;ATP2B4
cg25493545	TRUE	0e+00	0.0e+00	QTRT1
cg04350249	TRUE	0e+00	0.0e+00	SEC23B;SEC23B;SEC23B
cg11978873	TRUE	0e+00	0.0e+00	H3F3A;LOC440926
cg18975462	TRUE	0e+00	0.0e+00	EXT1
cg06575763	TRUE	0e+00	0.0e+00	NANP;NANP
cg21302724	TRUE	0e+00	0.0e+00	NR2F6
cg14554170	TRUE	0e+00	0.0e+00	ILK;ILK;ILK;ILK;RRP8
cg19738812	TRUE	0e+00	0.0e+00	ZKSCAN5;ZKSCAN5
cg10585870	TRUE	0e+00	0.0e+00	DDX39
cg18469778	TRUE	0e+00	0.0e+00	TSG101
cg24538626	TRUE	0e+00	0.0e+00	TSPAN31
cg26745551	TRUE	0e+00	0.0e+00	GPR63;GPR63;GPR63;GPR63
cg20257096	TRUE	0e+00	0.0e+00	SUPT16H
cg14864852	TRUE	0e+00	0.0e+00	GTPBP1
cg16221634	TRUE	0e+00	0.0e+00	KCNQ5;KCNQ5;KCNQ5;KCNQ5;KCNQ5
cg06570025	TRUE	0e+00	0.0e+00	OLIG1;OLIG1
cg05719877	TRUE	0e+00	0.0e+00	C11orf71;RBM7
cg01190915	TRUE	0e+00	0.0e+00	MT2A
cg23304339	TRUE	0e+00	0.0e+00	ZNF527
cg22168369	TRUE	0e+00	0.0e+00	MCOLN2
cg02553305	TRUE	0e+00	0.0e+00	
cg15211623	TRUE	0e+00	0.0e+00	MST1R
cg18830721	TRUE	0e+00	0.0e+00	THAP9
cg18244915	TRUE	0e+00	0.0e+00	ZNF569
cg13872356	TRUE	0e+00	0.0e+00	EEF1G
cg26570218	TRUE	0e+00	0.0e+00	DNAJC27
cg10474005	TRUE	0e+00	0.0e+00	LPAR5;LPAR5
cg13252294	TRUE	0e+00	0.0e+00	ATF4;ATF4
cg14219630	TRUE	0e+00	0.0e+00	PRDX1;PRDX1;PRDX1;PRDX1;PRDX1
cg15546754	TRUE	0e+00	0.0e+00	
cg06140118	TRUE	0e+00	0.0e+00	DDX28;DUS2L
cg08745899	TRUE	0e+00	0.0e+00	AP3B1
cg12182343	TRUE	0e+00	0.0e+00	
cg17019204	TRUE	0e+00	0.0e+00	SNX14;SNX14
cg09977865	TRUE	0e+00	0.0e+00	CUTA;CUTA;CUTA;CUTA;CUTA;CUTA
cg27110132	TRUE	0e+00	0.0e+00	BTBD12
cg18630855	TRUE	0e+00	0.0e+00	CEBPZ;C2orf56;C2orf56
cg11225935	TRUE	0e+00	0.0e+00	KDM5A;KDM5A;KDM5A;CCDC77;CCDC77;KDM5A
cg00994924	TRUE	0e+00	0.0e+00	GINS1
cg25993851	TRUE	0e+00	0.0e+00	ARHGAP1;ZNF408

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg10259701	TRUE	0e+00	0.0e+00	KLF13
cg15687138	TRUE	0e+00	0.0e+00	SCNM1;LYSMD1;LYSMD1;LYSMD1;LYSMD1
cg11039808	TRUE	0e+00	0.0e+00	AP3B1
cg21910821	TRUE	0e+00	0.0e+00	ZNF649
cg09127400	TRUE	0e+00	0.0e+00	IER3
cg15123670	TRUE	0e+00	0.0e+00	HNRNPH3;HNRNPH3;PBLD;PBLD
cg11946432	TRUE	0e+00	0.0e+00	PYCRL
cg07987262	TRUE	0e+00	0.0e+00	NR2C2AP
cg10147410	TRUE	0e+00	0.0e+00	MNAT1
cg27565719	TRUE	0e+00	0.0e+00	ZNF350;ZNF350
cg24440854	TRUE	0e+00	0.0e+00	DPYD;DPYD
cg22158769	TRUE	0e+00	0.0e+00	LOC375196;LOC100271715
cg15143698	TRUE	0e+00	0.0e+00	NARS2;NARS2
cg15032638	TRUE	0e+00	0.0e+00	NCOA4;NCOA4;NCOA4
cg05037168	TRUE	0e+00	0.0e+00	
cg24727122	TRUE	0e+00	0.0e+00	OSM
cg07006042	TRUE	0e+00	0.0e+00	ATP1B3
cg23508052	TRUE	0e+00	0.0e+00	SCD;SCD
cg24447660	TRUE	0e+00	0.0e+00	EEFSEC
cg16267059	TRUE	0e+00	0.0e+00	MFAP1
cg20415828	TRUE	0e+00	0.0e+00	RSRC2;KNTC1;RSRC2;RSRC2
cg23576473	TRUE	0e+00	0.0e+00	SLC35B1
cg16485682	TRUE	0e+00	0.0e+00	GATA6;GATA6
cg14694896	TRUE	0e+00	0.0e+00	SLC25A32;DCAF13;SLC25A32
cg07364638	TRUE	0e+00	0.0e+00	NGRN;NGRN
cg25696485	TRUE	0e+00	0.0e+00	PIGP;PIGP;TTC3;PIGP
cg13226139	TRUE	0e+00	0.0e+00	FKBP3;FANCM
cg23535768	TRUE	0e+00	0.0e+00	FEM1B;FEM1B
cg03373442	TRUE	0e+00	0.0e+00	HSPH1
cg18951187	TRUE	0e+00	0.0e+00	PKM2;PKM2;PKM2
cg19159162	TRUE	0e+00	0.0e+00	HSPA1B;HSPA1B
cg27343216	TRUE	0e+00	0.0e+00	PREPL;PREPL;C2orf34;PREPL;PREPL;PREPL;PREPL;PREPL
cg26940573	TRUE	0e+00	0.0e+00	ZNF566;ZNF566;ZNF566;ZNF566;ZNF566;ZNF566;ZNF566
cg11673391	TRUE	0e+00	0.0e+00	PGD
cg24475210	TRUE	0e+00	0.0e+00	MRFAP1
cg08027110	TRUE	0e+00	0.0e+00	PTGES3
cg08298587	TRUE	0e+00	0.0e+00	E2F3
cg02447185	TRUE	0e+00	0.0e+00	C17orf80;FAM104A;FAM104A;C17orf80;C17orf80
cg08357601	TRUE	0e+00	0.0e+00	UTP3
cg24147849	TRUE	0e+00	0.0e+00	NIT2
cg02850812	TRUE	0e+00	0.0e+00	C13orf18
cg10025462	TRUE	0e+00	0.0e+00	SNORD42B;RPL23A
cg27326856	TRUE	0e+00	0.0e+00	ZNF585A;ZNF585A
cg14143209	TRUE	0e+00	0.0e+00	ASB6;ASB6
cg23661578	TRUE	0e+00	0.0e+00	MEA1;KLHDC3
cg07206840	TRUE	0e+00	0.0e+00	HBXIP
cg26996201	TRUE	0e+00	0.0e+00	PAK1;PAK1
cg18737667	TRUE	0e+00	0.0e+00	LIN52;ALDH6A1
cg20296188	TRUE	0e+00	0.0e+00	HRNBP3
cg14507132	TRUE	0e+00	0.0e+00	TCF12;TCF12;LOC145783;TCF12;TCF12;TCF12;TCF12;TCF12;TCF12
cg03016906	TRUE	0e+00	0.0e+00	
cg07425985	TRUE	0e+00	0.0e+00	ANKFY1;ANKFY1

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg23347958	TRUE	0e+00	0.0e+00	DHX8
cg14893889	TRUE	0e+00	0.0e+00	GUCY2D
cg14538868	TRUE	0e+00	0.0e+00	CEBPZ;C2orf56;C2orf56;C2orf56;C2orf56
cg14369264	TRUE	0e+00	0.0e+00	DCLRE1C;DCLRE1C;DCLRE1C;DCLRE1C
cg02446871	TRUE	0e+00	0.0e+00	EPB41;EPB41;EPB41;EPB41;EPB41;EPB41
cg22093543	TRUE	0e+00	0.0e+00	PPP2CA
cg16848984	TRUE	0e+00	0.0e+00	C13orf1;C13orf1;C13orf1
cg08501054	TRUE	0e+00	0.0e+00	TNKS
cg09695652	TRUE	0e+00	0.0e+00	COPB2;COPB2;COPB2
cg12033943	TRUE	0e+00	0.0e+00	ZNF345
cg26852602	TRUE	0e+00	0.0e+00	BTBD1;BTBD1
cg17569032	TRUE	0e+00	0.0e+00	CALCB
cg23456826	TRUE	0e+00	0.0e+00	SDR39U1
cg22782929	TRUE	0e+00	0.0e+00	C10orf114
cg21453443	TRUE	0e+00	0.0e+00	HIST3H2A;HIST3H2BB
cg07979357	TRUE	0e+00	0.0e+00	IL27RA;IL27RA
cg16923011	TRUE	0e+00	0.0e+00	TCHP;TCHP
cg17145587	TRUE	0e+00	0.0e+00	DNER
cg11877577	TRUE	0e+00	0.0e+00	RPS12;SNORD101
cg27196102	TRUE	0e+00	0.0e+00	COG7
cg20994084	TRUE	0e+00	0.0e+00	SLC38A10;SLC38A10
cg22939563	TRUE	0e+00	0.0e+00	DNAJB6;DNAJB6
cg16411979	TRUE	0e+00	0.0e+00	TTF2
cg21525020	TRUE	0e+00	0.0e+00	ZNF331
cg13111374	TRUE	0e+00	0.0e+00	NCAPG;DCAF16;NCAPG
cg02942644	TRUE	0e+00	0.0e+00	C3orf1
cg23006223	TRUE	0e+00	0.0e+00	C4orf14;POLR2B
cg23875821	TRUE	0e+00	0.0e+00	PAPOLA
cg16918091	TRUE	0e+00	0.0e+00	ORC5L;ORC5L
cg16458021	TRUE	0e+00	0.0e+00	ZNF295;ZNF295;ZNF295
cg07140158	TRUE	0e+00	0.0e+00	HIST1H4E
cg18769860	TRUE	0e+00	0.0e+00	CATSPER4
cg18264306	TRUE	0e+00	0.0e+00	ARL6;ARL6
cg27209395	TRUE	0e+00	0.0e+00	
cg03437731	TRUE	0e+00	0.0e+00	MARS2
cg11652947	TRUE	0e+00	0.0e+00	WDR45L
cg21222634	TRUE	0e+00	0.0e+00	GNAS;GNAS;GNAS;GNAS;GNAS;GNAS;GNAS
cg06291328	TRUE	0e+00	0.0e+00	WSB1;WSB1;WSB1;WSB1
cg01591416	TRUE	0e+00	0.0e+00	UBXN8
cg09623771	TRUE	0e+00	0.0e+00	TAF6;TAF6;TAF6;CNPY4;TAF6
cg01170099	TRUE	0e+00	0.0e+00	SEL1L
cg12133425	TRUE	0e+00	0.0e+00	ZNF496;ZNF496
cg16513167	TRUE	0e+00	0.0e+00	NHLRC3;C13orf23;C13orf23;NHLRC3
cg04771550	TRUE	0e+00	0.0e+00	TMEM107;TMEM107
cg07907534	TRUE	0e+00	0.0e+00	SIN3A
cg03182819	TRUE	0e+00	0.0e+00	GNA13
cg26858892	TRUE	0e+00	0.0e+00	PEBP1
cg10884341	TRUE	0e+00	0.0e+00	HSPE1;HSPE1;HSPD1;HSPD1
cg27287791	TRUE	0e+00	0.0e+00	CEP152
cg01645113	TRUE	0e+00	0.0e+00	SCHIP1
cg24372565	TRUE	0e+00	0.0e+00	FBXO15;FBXO15;C18orf55;FBXO15
cg24429831	TRUE	0e+00	0.0e+00	RBM42

[illegible]

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg14599233	TRUE	0e+00	0.0e+00	DOLPP1;DOLPP1
cg08732611	TRUE	0e+00	0.0e+00	ZMPSTE24
cg23521964	TRUE	0e+00	0.0e+00	C10orf137
cg11488569	TRUE	0e+00	0.0e+00	ZNF79
cg18424968	TRUE	0e+00	0.0e+00	
cg15123824	TRUE	0e+00	0.0e+00	ELMOD3;ELMOD3;ELMOD3;ELMOD3;ELMOD3;ELMOD3;RETSAT;E
cg08285630	TRUE	0e+00	0.0e+00	CCDC49
cg04347293	TRUE	0e+00	0.0e+00	
cg10185519	TRUE	0e+00	0.0e+00	ZNF689
cg18573544	TRUE	0e+00	0.0e+00	BTBD9;BTBD9
cg24236870	TRUE	0e+00	0.0e+00	EHD4
cg24639335	TRUE	0e+00	0.0e+00	TMEM80;DEAF1;TMEM80
cg25745663	TRUE	0e+00	0.0e+00	UNG;UNG
cg18721605	TRUE	0e+00	0.0e+00	HDHD2
cg00389713	TRUE	0e+00	0.0e+00	SRF
cg19696333	TRUE	0e+00	0.0e+00	IKZF5;IKZF5;ACADSB
cg27004243	TRUE	0e+00	0.0e+00	PER1
cg09507928	TRUE	0e+00	0.0e+00	IK;NDUFA2;IK
cg09293699	TRUE	0e+00	0.0e+00	CENPN;CENPN;CENPN;C16orf61
cg17572663	TRUE	0e+00	0.0e+00	ELP3;ELP3
cg00715047	TRUE	0e+00	0.0e+00	LLGL2;LLGL2;LLGL2
cg02888906	TRUE	0e+00	0.0e+00	RAB39
cg09644109	TRUE	0e+00	0.0e+00	MGC72080
cg12375025	TRUE	0e+00	0.0e+00	RTTN
cg08278266	TRUE	0e+00	0.0e+00	
cg16604136	TRUE	0e+00	0.0e+00	NUF2;NUF2
cg11227637	TRUE	0e+00	0.0e+00	UBE2D3;UBE2D3;UBE2D3;UBE2D3;UBE2D3;UBE2D3;UBE2D3;UBE2D3
cg10632277	TRUE	0e+00	0.0e+00	C22orf13;SNRPD3
cg05871569	TRUE	0e+00	0.0e+00	INCENP;INCENP
cg07489134	TRUE	0e+00	0.0e+00	HELLS
cg17978562	TRUE	0e+00	0.0e+00	EDIL3
cg17168838	TRUE	0e+00	0.0e+00	LENG1
cg15425530	TRUE	0e+00	0.0e+00	METT10D
cg05502081	TRUE	0e+00	0.0e+00	SETD6;SETD6
cg03818977	TRUE	0e+00	0.0e+00	
cg22197033	TRUE	0e+00	0.0e+00	CCDC42;CCDC42
cg19430975	TRUE	0e+00	0.0e+00	HSF1;BOP1
cg21197435	TRUE	0e+00	0.0e+00	HNRNPR;HNRNPR;HNRNPR;HNRNPR
cg15901997	TRUE	0e+00	0.0e+00	MEX3C;MEX3C
cg16147336	TRUE	0e+00	0.0e+00	CDKN2C;CDKN2C;CDKN2C
cg16613143	TRUE	0e+00	0.0e+00	METT10D
cg08118646	TRUE	0e+00	0.0e+00	EIF4E;EIF4E;EIF4E
cg00040380	TRUE	0e+00	0.0e+00	RPS27
cg21542094	TRUE	0e+00	0.0e+00	PFKFB3;PFKFB3
cg01421963	TRUE	0e+00	0.0e+00	ZNF441
cg10101463	TRUE	0e+00	0.0e+00	
cg04726800	TRUE	0e+00	0.0e+00	ACAD9
cg04850961	TRUE	0e+00	0.0e+00	NHSL1
cg13518530	TRUE	0e+00	0.0e+00	SYCE2
cg06789412	TRUE	0e+00	0.0e+00	RPL24;RPL24
cg16993440	TRUE	0e+00	0.0e+00	RNU5E;ZCCHC9;ZCCHC9;RNU5D;ZCCHC9
cg05954989	TRUE	0e+00	0.0e+00	PAOX;PAOX;PAOX

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg00043371	TRUE	0e+00	0.0e+00	COG1
cg20312581	TRUE	0e+00	0.0e+00	HELLS
cg03931027	TRUE	0e+00	0.0e+00	SNHG4;MATR3;MATR3
cg13012163	TRUE	0e+00	0.0e+00	OXA1L
cg25525207	TRUE	0e+00	0.0e+00	C4orf14;POLR2B
cg21869055	TRUE	0e+00	0.0e+00	KLK10;KLK10;KLK10
cg16240060	TRUE	0e+00	0.0e+00	ARIH2;C3orf71
cg05531284	TRUE	0e+00	0.0e+00	SRFBP1
cg03511311	TRUE	0e+00	0.0e+00	CUTA;CUTA;CUTA;CUTA;CUTA;CUTA
cg01354384	TRUE	0e+00	0.0e+00	
cg07885039	TRUE	0e+00	0.0e+00	C3orf58
cg03841667	TRUE	0e+00	0.0e+00	PMM1
cg22005150	TRUE	0e+00	0.0e+00	NDUFB7
cg01456938	TRUE	0e+00	0.0e+00	RNF4
cg12745769	TRUE	0e+00	0.0e+00	ZNF493;ZNF493;ZNF493;ZNF493;ZNF493;ZNF493
cg20232471	TRUE	0e+00	0.0e+00	RSPH4A;RSPH4A
cg01304278	TRUE	0e+00	0.0e+00	GLRX5;SNHG10;SNHG10
cg14490972	TRUE	0e+00	0.0e+00	POLR1C;YIPF3;POLR1C;POLR1C;POLR1C
cg15009698	TRUE	0e+00	0.0e+00	AP3B1;AP3B1
cg14229247	TRUE	0e+00	0.0e+00	ANP32B
cg03214297	TRUE	0e+00	0.0e+00	PICK1;PICK1;PICK1;PICK1;PICK1;PICK1
cg11575912	TRUE	0e+00	0.0e+00	NRTN
cg06046434	TRUE	0e+00	0.0e+00	CLP1;CLP1;CLP1;CLP1
cg03699307	TRUE	0e+00	0.0e+00	GABARAPL2
cg23031815	TRUE	0e+00	0.0e+00	GIPC1;GIPC1;GIPC1;GIPC1;GIPC1;GIPC1
cg04706183	TRUE	0e+00	0.0e+00	MSTO1
cg08128789	TRUE	0e+00	0.0e+00	LRRC8B
cg19340909	TRUE	0e+00	0.0e+00	GNB1
cg26736450	TRUE	0e+00	0.0e+00	OTX1
cg16222062	TRUE	0e+00	0.0e+00	
cg24611962	TRUE	0e+00	0.0e+00	HMMR;HMMR;HMMR;NUDCD2;HMMR;HMMR;HMMR;HMMR;HMMR
cg06527865	TRUE	0e+00	0.0e+00	IRF2BP2;IRF2BP2
cg22198449	TRUE	0e+00	0.0e+00	UBXN6
cg08605991	TRUE	0e+00	0.0e+00	SIAH3
cg04028315	TRUE	0e+00	0.0e+00	SP4;SP4
cg04133652	TRUE	0e+00	0.0e+00	MLLT6
cg11406134	TRUE	0e+00	0.0e+00	ALDH4A1;ALDH4A1;ALDH4A1
cg14004847	TRUE	0e+00	0.0e+00	MAD1L1;MAD1L1;MAD1L1
cg03650154	TRUE	0e+00	0.0e+00	ZNF480
cg05679093	TRUE	0e+00	0.0e+00	MRPL35;MRPL35
cg13193676	TRUE	0e+00	0.0e+00	MRPS28
cg05000824	TRUE	0e+00	0.0e+00	SOBP
cg11081185	TRUE	0e+00	0.0e+00	RIC8A;BET1L;BET1L
cg07831432	TRUE	0e+00	0.0e+00	CANX;CANX
cg16879247	TRUE	0e+00	0.0e+00	SFRS3
cg25781121	TRUE	0e+00	0.0e+00	ZNF589;ZNF589
cg23570261	TRUE	0e+00	0.0e+00	IWS1
cg14762010	TRUE	0e+00	0.0e+00	ARCN1;ARCN1
cg21685234	TRUE	0e+00	0.0e+00	NIPAL3
cg00239003	TRUE	0e+00	0.0e+00	CLPTM1
cg02836531	TRUE	0e+00	0.0e+00	USP33;USP33;USP33;USP33;USP33
cg07211050	TRUE	0e+00	0.0e+00	LRPPRC



CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg06005571	TRUE	0e+00	0.0e+00	WDR51A;WDR51A;WDR51A
cg27179327	TRUE	0e+00	0.0e+00	ARSA;ARSA;ARSA;ARSA;ARSA
cg06873684	TRUE	0e+00	0.0e+00	HDGF2;HDGF2
cg14298379	TRUE	0e+00	0.0e+00	MYLIP
cg00471645	TRUE	0e+00	0.0e+00	
cg24121211	TRUE	0e+00	0.0e+00	MFSD8;C4orf29
cg03584380	TRUE	0e+00	0.0e+00	VTI1A;ZDHHC6
cg10130446	TRUE	0e+00	0.0e+00	DLGAP5;DLGAP5
cg18251360	TRUE	0e+00	0.0e+00	DGCR8
cg03843852	TRUE	0e+00	0.0e+00	PIGB
cg18062281	TRUE	0e+00	0.0e+00	DDX49;COPE;COPE;COPE
cg14611278	TRUE	0e+00	0.0e+00	GPATCH4;GPATCH4
cg03425217	TRUE	0e+00	0.0e+00	YME1L1;YME1L1;MASTL
cg13436085	TRUE	0e+00	0.0e+00	ABCF3
cg10535353	TRUE	0e+00	0.0e+00	SATB2
cg14184882	TRUE	0e+00	0.0e+00	RBM18;MRRF;RBM18;RBM18;MRRF
cg18539474	TRUE	0e+00	0.0e+00	MAGI3;MAGI3
cg22301261	TRUE	0e+00	0.0e+00	DLEU1;DLEU2
cg06115535	TRUE	0e+00	0.0e+00	IMP4;CCDC115
cg10063260	TRUE	0e+00	0.0e+00	XRCC3;XRCC3;ZFYVE21;XRCC3
cg17060249	TRUE	0e+00	0.0e+00	TMEM111
cg14986359	TRUE	0e+00	0.0e+00	MZF1;MZF1;LOC100131691
cg07967918	TRUE	0e+00	0.0e+00	
cg10932242	TRUE	0e+00	0.0e+00	
cg07900786	TRUE	0e+00	0.0e+00	TBRG4;TBRG4;TBRG4
cg24446923	TRUE	0e+00	0.0e+00	RCAN3
cg15115510	TRUE	0e+00	0.0e+00	EIF6;EIF6;EIF6
cg04921814	TRUE	0e+00	0.0e+00	PIAS3
cg14044057	TRUE	0e+00	0.0e+00	SPDYA;SPDYA
cg27468926	TRUE	0e+00	0.0e+00	MAP3K10;MAP3K10
cg04163216	TRUE	0e+00	0.0e+00	PIK3CD
cg14373988	TRUE	0e+00	0.0e+00	PEX10;PEX10
cg07169535	TRUE	0e+00	0.0e+00	KIAA1328;C18orf10
cg03631596	TRUE	0e+00	0.0e+00	C13orf37;C13orf34
cg13976251	TRUE	0e+00	0.0e+00	
cg22546696	TRUE	0e+00	0.0e+00	MGA;MGA;MGA;MGA
cg08591058	TRUE	0e+00	0.0e+00	
cg06713267	TRUE	0e+00	0.0e+00	BSDC1;BSDC1;BSDC1;BSDC1
cg16750914	TRUE	0e+00	0.0e+00	CCDC88A;CCDC88A;CCDC88A;CCDC88A
cg01349853	TRUE	0e+00	0.0e+00	TRANK1
cg13390998	TRUE	0e+00	0.0e+00	NFKBIL2
cg04320255	TRUE	0e+00	0.0e+00	FOXP1
cg24478630	TRUE	0e+00	0.0e+00	MOGS;MOGS
cg08699435	TRUE	0e+00	0.0e+00	NAA20;NAA20;NAA20
cg23302316	TRUE	0e+00	0.0e+00	FANCF
cg16203711	TRUE	0e+00	0.0e+00	MYNN;MYNN
cg11559192	TRUE	0e+00	0.0e+00	LYRM5
cg08108993	TRUE	0e+00	0.0e+00	PSMD3
cg23459010	TRUE	0e+00	0.0e+00	FBXO38;FBXO38
cg03550930	TRUE	0e+00	0.0e+00	TMED1;TMED1
cg20009215	TRUE	0e+00	0.0e+00	WRNIP1;WRNIP1
cg07948034	TRUE	0e+00	0.0e+00	ZIC2

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg25940946	TRUE	0e+00	0.0e+00	DERL3;DERL3;DERL3
cg06848865	TRUE	0e+00	0.0e+00	SEL1L
cg21274136	TRUE	0e+00	0.0e+00	MIR548H4
cg08674342	TRUE	0e+00	0.0e+00	LMBRD2;SKP2;SKP2
cg17077776	TRUE	0e+00	0.0e+00	SLC25A46
cg10297191	TRUE	0e+00	0.0e+00	CYP39A1;SLC25A27
cg16371341	TRUE	0e+00	0.0e+00	GPBP1;GPBP1
cg11744351	TRUE	0e+00	0.0e+00	UBL3;UBL3
cg16063617	TRUE	0e+00	0.0e+00	ISOC1
cg08941576	TRUE	0e+00	0.0e+00	C11orf49;C11orf49;C11orf49;C11orf49
cg26998900	TRUE	0e+00	0.0e+00	C18orf18;LOC339290
cg10532290	TRUE	0e+00	0.0e+00	PDZD8
cg20159687	TRUE	0e+00	0.0e+00	
cg15411402	TRUE	0e+00	0.0e+00	MTMR9;MTMR9
cg20141549	TRUE	0e+00	0.0e+00	VPRBP
cg02903601	TRUE	0e+00	0.0e+00	SNORD12B;C20orf199;SNORD12C;MIR1259;C20orf199;ZNFX1;C20orf199
cg06398166	TRUE	0e+00	0.0e+00	GMPPB;GMPPB
cg15119650	TRUE	0e+00	0.0e+00	HS3ST3B1;MGC12916
cg13710842	TRUE	0e+00	0.0e+00	FCHO2;FCHO2
cg11189384	TRUE	0e+00	0.0e+00	LHX4
cg04025590	TRUE	0e+00	0.0e+00	CCDC21
cg24041036	TRUE	0e+00	0.0e+00	PSMA3;PSMA3;PSMA3;PSMA3
cg09913796	TRUE	0e+00	0.0e+00	ERAL1
cg16730369	TRUE	0e+00	0.0e+00	GRIK4
cg12446644	TRUE	0e+00	0.0e+00	LASP1
cg08213351	TRUE	0e+00	0.0e+00	IWS1
cg17360140	TRUE	0e+00	0.0e+00	C4orf29;MFSD8
cg08872494	TRUE	0e+00	0.0e+00	DCLRE1B;AP4B1
cg23290217	TRUE	0e+00	0.0e+00	UHRF1;UHRF1
cg09444255	TRUE	0e+00	0.0e+00	MZF1;MZF1;LOC100131691
cg10009297	TRUE	0e+00	0.0e+00	MYO19;MYO19;MYO19;PIGW
cg19968692	TRUE	0e+00	0.0e+00	C13orf37;C13orf34;C13orf37
cg17154187	TRUE	0e+00	0.0e+00	SMCR7;SMCR7;SMCR7
cg06069179	TRUE	0e+00	0.0e+00	CCT6B;CCT6B;ZNF830
cg23162983	TRUE	0e+00	0.0e+00	
cg15062310	TRUE	0e+00	0.0e+00	SLC12A9
cg17514420	TRUE	0e+00	0.0e+00	MRE11A;MRE11A;ANKRD49;MRE11A;MRE11A
cg04372675	TRUE	0e+00	0.0e+00	OXR1
cg03150474	TRUE	0e+00	0.0e+00	C6orf52;C6orf52;PAK1IP1;C6orf52
cg04971263	TRUE	0e+00	0.0e+00	GPATCH3
cg26431298	TRUE	0e+00	0.0e+00	PRCC;PRCC
cg17821473	TRUE	0e+00	0.0e+00	USP1;USP1;USP1
cg10450899	TRUE	0e+00	0.0e+00	RNMTL1;GLOD4
cg03621988	TRUE	0e+00	0.0e+00	SIDT1;SIDT1
cg20713852	TRUE	0e+00	0.0e+00	HSPB6;C19orf55
cg03707502	TRUE	0e+00	0.0e+00	ISCU;ISCU
cg00992297	TRUE	0e+00	0.0e+00	ARAP3
cg06880557	TRUE	0e+00	0.0e+00	C13orf27
cg23990723	TRUE	0e+00	0.0e+00	BIVM;BIVM;KDELC1;BIVM;BIVM
cg15604507	TRUE	0e+00	0.0e+00	E2F8
cg06578951	TRUE	0e+00	0.0e+00	DDX49;DDX49;COPE;COPE;COPE
cg05380793	TRUE	0e+00	0.0e+00	C13orf37;C13orf34

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg24915371	TRUE	0e+00	0.0e+00	PDE6D
cg25525163	TRUE	0e+00	0.0e+00	ACAA1;ACAA1;MYD88;ACAA1
cg05465342	TRUE	0e+00	0.0e+00	PPT2;PPT2;PPT2
cg22512322	TRUE	0e+00	0.0e+00	PSMD6;PSMD6
cg18336825	TRUE	0e+00	0.0e+00	PSMD13;SIRT3;PSMD13;SIRT3
cg20680754	TRUE	0e+00	0.0e+00	ZNF461;ZNF461
cg04385305	TRUE	0e+00	0.0e+00	IFT80;SMC4;SMC4
cg01993413	TRUE	0e+00	0.0e+00	METTL3
cg24663255	TRUE	0e+00	0.0e+00	ZNF252;C8orf77
cg04119805	TRUE	0e+00	0.0e+00	ZKSCAN5;ZKSCAN5
cg09592603	TRUE	0e+00	0.0e+00	CDC25B;CDC25B;CDC25B
cg19789848	TRUE	0e+00	0.0e+00	
cg15814736	TRUE	0e+00	0.0e+00	ATL3
cg03017104	TRUE	0e+00	0.0e+00	
cg17933807	TRUE	0e+00	0.0e+00	GNL2
cg08188828	TRUE	0e+00	0.0e+00	RBBP8;RBBP8;RBBP8;RBBP8;RBBP8
cg08602604	TRUE	0e+00	0.0e+00	HSPD1;HSPD1;HSPE1
cg06023702	TRUE	0e+00	0.0e+00	PAIP2B
cg24334809	TRUE	0e+00	0.0e+00	TTC30A;TTC30A
cg17414380	TRUE	0e+00	0.0e+00	KIAA0892;SF4
cg10226628	TRUE	0e+00	0.0e+00	SETD1A
cg13549897	TRUE	0e+00	0.0e+00	HHLA3;ANKRD13C;HHLA3;HHLA3;HHLA3;ANKRD13C
cg13879247	TRUE	0e+00	0.0e+00	EPM2A;EPM2A
cg26220419	TRUE	0e+00	0.0e+00	CUL5;CUL5
cg11286977	TRUE	0e+00	0.0e+00	TRIM26
cg11338389	TRUE	0e+00	0.0e+00	COX8A
cg08133912	TRUE	0e+00	0.0e+00	
cg00730780	TRUE	0e+00	0.0e+00	KIAA1462
cg19282889	TRUE	0e+00	0.0e+00	KLHL25
cg14119616	TRUE	0e+00	0.0e+00	RPS13
cg08277003	TRUE	0e+00	0.0e+00	
cg11574094	TRUE	0e+00	0.0e+00	SUV39H2
cg23445461	TRUE	0e+00	0.0e+00	PCDHGA4;PCDHGC3;PCDHGA12;PCDHGA11;PCDHGA11;PCDHGA
cg13097342	TRUE	0e+00	0.0e+00	STARD3NL
cg08965527	TRUE	0e+00	0.0e+00	HSDL1;LRRC50;HSDL1
cg07788092	TRUE	0e+00	0.0e+00	ZNF177
cg25352856	TRUE	0e+00	0.0e+00	ACBD6
cg01528321	TRUE	0e+00	0.0e+00	TSPAN14;TSPAN14
cg03537747	TRUE	0e+00	0.0e+00	SLC4A1AP;SUPT7L
cg21242697	TRUE	0e+00	0.0e+00	PLAGL1;PLAGL1
cg21782712	TRUE	0e+00	0.0e+00	WDR46;WDR46;WDR46;PFDN6;WDR46
cg13452400	TRUE	0e+00	0.0e+00	CMPK2
cg01123926	TRUE	0e+00	0.0e+00	FAM3D
cg07807690	TRUE	0e+00	0.0e+00	NFYC;NFYC;LOC100130557;NFYC;NFYC;NFYC;NFYC;NFYC;NFYC;
cg19034708	TRUE	0e+00	0.0e+00	PCM1
cg24744430	TRUE	0e+00	0.0e+00	RAB32
cg00367047	TRUE	0e+00	0.0e+00	
cg04981885	TRUE	0e+00	0.0e+00	F11R
cg15632325	TRUE	0e+00	0.0e+00	TMCO1;TMCO1
cg00124011	TRUE	0e+00	0.0e+00	PRDM2;PRDM2;PRDM2;PRDM2;PRDM2
cg23060735	TRUE	0e+00	0.0e+00	ARSA;ARSA;ARSA;ARSA;ARSA
cg05525867	TRUE	0e+00	0.0e+00	MAN2C1

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg27217878	TRUE	0e+00	0.0e+00	C11orf30
cg12229912	TRUE	0e+00	0.0e+00	CDC27;CDC27
cg08723131	TRUE	0e+00	0.0e+00	C20orf43;C20orf43
cg05370988	TRUE	0e+00	0.0e+00	EIF4A2
cg06245997	TRUE	0e+00	0.0e+00	PGAP2;PGAP2;PGAP2;PGAP2;PGAP2;PGAP2;PGAP2
cg17427856	TRUE	0e+00	0.0e+00	CASP8AP2;CASP8AP2;CASP8AP2
cg22501231	TRUE	0e+00	0.0e+00	XAB2;LOC100131801;LOC100131801
cg23170850	TRUE	0e+00	0.0e+00	GLB1L3
cg06619059	TRUE	0e+00	0.0e+00	DAZAP1;DAZAP1
cg27066239	TRUE	0e+00	0.0e+00	FAM40B;FAM40B;FAM40B;FAM40B
cg08115387	TRUE	0e+00	0.0e+00	
cg25278669	TRUE	0e+00	0.0e+00	ZBTB3
cg22033189	TRUE	0e+00	0.0e+00	SNHG12;SNORA16A
cg23927769	TRUE	0e+00	0.0e+00	TOMM6
cg08613513	TRUE	0e+00	0.0e+00	ORC1L;ORC1L;PRPF38A
cg09610133	TRUE	0e+00	0.0e+00	
cg27640908	TRUE	0e+00	0.0e+00	RPL13AP5;RPL13A
cg08369580	TRUE	0e+00	0.0e+00	RPS14;RPS14;RPS14
cg04671334	TRUE	0e+00	0.0e+00	ZNF181;ZNF181
cg09323228	TRUE	0e+00	0.0e+00	CCDC163P;MMACHC
cg08651378	TRUE	0e+00	0.0e+00	C19orf25
cg02466926	TRUE	0e+00	0.0e+00	C10orf137
cg07639697	TRUE	0e+00	0.0e+00	ZNF823
cg24962978	TRUE	0e+00	0.0e+00	TRAPPC4;TRAPPC4;RPS25
cg20236533	TRUE	0e+00	0.0e+00	EIF4E;EIF4E;EIF4E;EIF4E;EIF4E
cg05467106	TRUE	0e+00	0.0e+00	ZNF689
cg15749322	TRUE	0e+00	0.0e+00	ANKRD42
cg24568646	TRUE	0e+00	0.0e+00	CCT8
cg26790547	TRUE	0e+00	0.0e+00	PSMA1;PSMA1;PSMA1
cg03909821	TRUE	0e+00	0.0e+00	FAM194A
cg09909775	TRUE	0e+00	0.0e+00	ANO6;ANO6;ANO6;ANO6;PLEKHA9;ANO6
cg02610550	TRUE	0e+00	0.0e+00	KLF12
cg22006386	TRUE	0e+00	0.0e+00	CATSPERG
cg08576658	TRUE	0e+00	0.0e+00	
cg18841894	TRUE	0e+00	0.0e+00	SOD1
cg11266921	TRUE	0e+00	0.0e+00	BTBD9;BTBD9
cg06824583	TRUE	0e+00	0.0e+00	ATP8B2;AQP10
cg12429444	TRUE	0e+00	0.0e+00	DDOST
cg23480499	TRUE	0e+00	0.0e+00	METAP2
cg04588550	TRUE	0e+00	0.0e+00	MEX3B
cg11075316	TRUE	0e+00	0.0e+00	TRIM59
cg25302936	TRUE	0e+00	0.0e+00	VCPIP1
cg21914984	TRUE	0e+00	0.0e+00	CDC42EP3
cg17932425	TRUE	0e+00	0.0e+00	PGLS
cg15617768	TRUE	0e+00	0.0e+00	COX15;COX15;CUTC
cg09556952	TRUE	0e+00	0.0e+00	SIM2
cg00336150	TRUE	0e+00	0.0e+00	
cg16134800	TRUE	0e+00	0.0e+00	
cg20074007	TRUE	0e+00	0.0e+00	RRP12;RRP12;RRP12;RRP12
cg23451291	TRUE	0e+00	0.0e+00	
cg00403457	TRUE	0e+00	0.0e+00	PTPN12;PTPN12;PTPN12
cg24861394	TRUE	0e+00	0.0e+00	MTMR9

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg01438737	TRUE	0e+00	0.0e+00	SFRS6
cg09578475	TRUE	0e+00	0.0e+00	ZNF177
cg10740670	TRUE	0e+00	0.0e+00	FNTB;FNTB
cg26501027	TRUE	0e+00	0.0e+00	RAET1K
cg19541837	TRUE	0e+00	0.0e+00	C11orf51
cg12583325	TRUE	0e+00	0.0e+00	MDH2
cg22230395	TRUE	0e+00	0.0e+00	FAM114A2;MFAP3;MFAP3;MFAP3
cg21344741	TRUE	0e+00	0.0e+00	ELMOD3;ELMOD3;ELMOD3;ELMOD3;ELMOD3;ELMOD3;RETSAT;E
cg09626193	TRUE	0e+00	0.0e+00	SOX17
cg23924007	TRUE	0e+00	0.0e+00	
cg02501334	TRUE	0e+00	0.0e+00	PRKAR1A;PRKAR1A;PRKAR1A;PRKAR1A
cg17131070	TRUE	0e+00	0.0e+00	SDCCAG8;CEP170;CEP170;CEP170
cg03327386	TRUE	0e+00	0.0e+00	RAB12
cg07991600	TRUE	0e+00	0.0e+00	TP53;WRAP53;WRAP53;TP53;TP53;TP53
cg09571572	TRUE	0e+00	0.0e+00	CCDC40;TBC1D16
cg25365783	TRUE	0e+00	0.0e+00	PNPLA8
cg12563480	TRUE	0e+00	0.0e+00	SNX11;SNX11
cg25598086	TRUE	0e+00	0.0e+00	HSPA2
cg12799119	TRUE	0e+00	0.0e+00	CCDC33
cg16649755	TRUE	0e+00	0.0e+00	NCRNA00120;AKIRIN2
cg04346113	TRUE	0e+00	0.0e+00	SSTR1
cg03762505	TRUE	0e+00	0.0e+00	METTTL13;METTL13;METTL13;METTL13;METTL13;METTL13
cg15805553	TRUE	0e+00	0.0e+00	HEATR6
cg02847589	TRUE	0e+00	0.0e+00	ZBTB40;ZBTB40;ZBTB40;ZBTB40
cg05923184	TRUE	0e+00	0.0e+00	GGN
cg27365208	TRUE	0e+00	0.0e+00	ZNF101
cg21655693	TRUE	0e+00	0.0e+00	SYMPK
cg02318347	TRUE	0e+00	0.0e+00	HSPH1
cg23109134	TRUE	0e+00	0.0e+00	ATP5C1;ATP5C1;KIN
cg08811588	TRUE	0e+00	0.0e+00	SRRT;SRRT;SRRT;SRRT
cg01235203	TRUE	0e+00	0.0e+00	BCL6
cg22276271	TRUE	0e+00	0.0e+00	ARHGEF12
cg06183820	TRUE	0e+00	0.0e+00	SERPINB6
cg23260547	TRUE	0e+00	0.0e+00	PROX1
cg11844079	TRUE	0e+00	0.0e+00	PIGM
cg07003055	TRUE	0e+00	0.0e+00	CDC25B;CDC25B;CDC25B;CDC25B;CDC25B;CDC25B
cg16040838	TRUE	0e+00	0.0e+00	MFN2;MFN2
cg21803245	TRUE	0e+00	0.0e+00	KIAA0284;KIAA0284
cg21157258	TRUE	0e+00	0.0e+00	DPAGT1;DPAGT1
cg01058931	TRUE	0e+00	0.0e+00	ZKSCAN2
cg07387199	TRUE	0e+00	0.0e+00	CCDC45;DDX5
cg16846645	TRUE	0e+00	0.0e+00	FAM84A
cg15139906	TRUE	0e+00	0.0e+00	NAPA
cg14103143	TRUE	0e+00	0.0e+00	ATP5G1;ATP5G1
cg03435608	TRUE	0e+00	0.0e+00	CHMP2B
cg20549080	TRUE	0e+00	0.0e+00	PPRC1
cg09159795	TRUE	0e+00	0.0e+00	CRYGN
cg24448326	TRUE	0e+00	0.0e+00	DDAH1;DDAH1
cg02633838	TRUE	0e+00	0.0e+00	MRPS5
cg15268622	TRUE	0e+00	0.0e+00	POU2F1
cg05502939	TRUE	0e+00	0.0e+00	KIAA0427;KIAA0427
cg00343022	TRUE	0e+00	0.0e+00	ACAA1;ACAA1;ACAA1

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg17978996	TRUE	0e+00	0.0e+00	BEND3
cg10489353	TRUE	0e+00	0.0e+00	GATAD2B
cg04798523	TRUE	0e+00	0.0e+00	UBE2D3;UBE2D3;UBE2D3;UBE2D3;UBE2D3;UBE2D3;UBE2D3;UBE2D3
cg02367949	TRUE	0e+00	0.0e+00	SESN3
cg23360000	TRUE	0e+00	0.0e+00	SARS2;MRPS12;MRPS12;MRPS12;MRPS12;SARS2;MRPS12;MRPS12
cg11739541	TRUE	0e+00	0.0e+00	TUBA1A;TUBA1A
cg26102683	TRUE	0e+00	0.0e+00	ANKRD42
cg24187051	TRUE	0e+00	0.0e+00	ZNRD1;NCRNA00171;ZNRD1
cg04970352	TRUE	0e+00	0.0e+00	ALX4
cg17554194	TRUE	0e+00	0.0e+00	HLA-B;HLA-B
cg23831155	TRUE	0e+00	0.0e+00	FKBP10;SC65;SC65
cg25316663	TRUE	0e+00	0.0e+00	
cg15509594	TRUE	0e+00	0.0e+00	FAM46A
cg05555455	TRUE	0e+00	0.0e+00	HLTF;HLTF
cg04024692	TRUE	0e+00	0.0e+00	C11orf58;C11orf58
cg00023288	TRUE	0e+00	0.0e+00	LRPPRC
cg19233923	TRUE	0e+00	0.0e+00	OTUB1;OTUB1;OTUB1
cg03670115	TRUE	0e+00	0.0e+00	DYNC1I2;DYNC1I2
cg12760261	TRUE	0e+00	0.0e+00	CEP120;CEP120
cg01167274	TRUE	0e+00	0.0e+00	ITGB2;ITGB2
cg25738714	TRUE	0e+00	0.0e+00	
cg24288463	TRUE	0e+00	0.0e+00	C20orf26;CRNKL1
cg08484518	TRUE	0e+00	0.0e+00	PSORS1C1;PSORS1C2
cg13409449	TRUE	0e+00	0.0e+00	GATA3;GATA3
cg06346696	TRUE	0e+00	0.0e+00	TUSC2
cg03773681	TRUE	0e+00	0.0e+00	MDH1;C2orf86
cg17255878	TRUE	0e+00	0.0e+00	PSMB6
cg18515171	TRUE	0e+00	0.0e+00	HEATR6
cg05144147	TRUE	0e+00	0.0e+00	IL15RA;IL15RA
cg07546106	TRUE	0e+00	0.0e+00	TAP2;TAP2
cg08391415	TRUE	0e+00	0.0e+00	PAX6
cg04295928	TRUE	0e+00	0.0e+00	PGAP2;PGAP2;PGAP2;PGAP2;PGAP2;PGAP2;PGAP2;PGAP2
cg23681339	TRUE	0e+00	0.0e+00	FBRSL1
cg15724272	TRUE	0e+00	0.0e+00	HERC3
cg13380562	TRUE	0e+00	0.0e+00	FUCA2
cg04580029	TRUE	0e+00	0.0e+00	KREMEN2;KREMEN2
cg12267367	TRUE	0e+00	0.0e+00	SNRPG
cg06625258	TRUE	0e+00	0.0e+00	CCDC51;CCDC72
cg07890336	TRUE	0e+00	0.0e+00	NDUFA6
cg00120210	TRUE	0e+00	0.0e+00	SEC11A;SEC11A
cg14664575	TRUE	0e+00	0.0e+00	PSMC4;PSMC4
cg00989323	TRUE	0e+00	0.0e+00	
cg10661615	TRUE	0e+00	0.0e+00	PRLHR
cg18372621	TRUE	0e+00	0.0e+00	ZKSCAN5;ZKSCAN5
cg16273215	TRUE	0e+00	0.0e+00	EFNA1;EFNA1
cg14119392	TRUE	0e+00	0.0e+00	FLJ45244;DICER1
cg20644253	TRUE	0e+00	0.0e+00	KIAA0892;SF4
cg02711476	TRUE	0e+00	0.0e+00	CRTC2
cg08527566	TRUE	0e+00	0.0e+00	FGD6;VEZT
cg19423311	TRUE	0e+00	0.0e+00	IL21R;IL21R;IL21R
cg11589139	TRUE	0e+00	0.0e+00	ACTA1
cg26446827	TRUE	0e+00	0.0e+00	ZNF133;ZNF133

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg20295040	TRUE	0e+00	0.0e+00	RGS2
cg23792383	TRUE	0e+00	0.0e+00	KLF5;KLF5
cg26549029	TRUE	0e+00	0.0e+00	PGAM5;PGAM5;PGAM5
cg00248521	TRUE	0e+00	0.0e+00	CASKIN1
cg23092777	TRUE	0e+00	0.0e+00	ZFC3H1;THAP2
cg05092885	TRUE	0e+00	0.0e+00	INTS12;INTS12;GSTCD;INTS12;INTS12
cg26681912	TRUE	0e+00	0.0e+00	SLC19A2
cg12905688	TRUE	0e+00	0.0e+00	RBM5
cg22174410	TRUE	0e+00	0.0e+00	NKTR
cg10093594	TRUE	0e+00	0.0e+00	MAPKAPK2;MAPKAPK2
cg05797656	TRUE	0e+00	0.0e+00	DDX42;CCDC47;DDX42
cg01742905	TRUE	0e+00	0.0e+00	CTSC;CTSC;CTSC
cg10297165	TRUE	0e+00	0.0e+00	PSME2;RNF31
cg03429475	TRUE	0e+00	0.0e+00	ZNF668;ZNF646
cg17490921	TRUE	0e+00	0.0e+00	ZNF259
cg05027972	TRUE	0e+00	0.0e+00	DPF3
cg14592933	TRUE	0e+00	0.0e+00	
cg04986870	TRUE	0e+00	0.0e+00	KCNN1
cg24953506	TRUE	0e+00	0.0e+00	MIIP
cg18278424	TRUE	0e+00	0.0e+00	SEPT9;SEPT9;SEPT9;SEPT9;SEPT9;SEPT9
cg19236745	TRUE	0e+00	0.0e+00	CSTF3;CSTF3;CSTF3;CSTF3;CSTF3;CSTF3
cg14470647	TRUE	0e+00	0.0e+00	ABCA1
cg25187227	TRUE	0e+00	0.0e+00	N4BP2;LOC344967
cg24664526	TRUE	0e+00	0.0e+00	VPS52;RPS18;VPS52
cg09947615	TRUE	0e+00	0.0e+00	ATP8A1;ATP8A1
cg21729186	TRUE	0e+00	0.0e+00	HIST1H4H
cg21374864	TRUE	0e+00	0.0e+00	TOR1A
cg01158822	TRUE	0e+00	0.0e+00	TFAP2A;TFAP2A
cg22859847	TRUE	0e+00	0.0e+00	USP16;USP16;USP16
cg08547343	TRUE	0e+00	0.0e+00	CENPBD1;AFG3L1;AFG3L1;CENPBD1;AFG3L1
cg00164898	TRUE	0e+00	0.0e+00	MAPK11
cg07733441	TRUE	0e+00	0.0e+00	LOC729338;BBS12;BBS12
cg09423703	TRUE	0e+00	0.0e+00	
cg06347996	TRUE	0e+00	0.0e+00	DPYD;DPYD
cg03529555	TRUE	0e+00	0.0e+00	NAV2
cg02108068	TRUE	0e+00	0.0e+00	
cg03400374	TRUE	0e+00	0.0e+00	KCNAB2;KCNAB2
cg17759082	TRUE	0e+00	0.0e+00	SEC22A
cg27580050	TRUE	0e+00	0.0e+00	C19orf55;HSPB6
cg10533538	TRUE	0e+00	0.0e+00	ADCY9
cg25148336	TRUE	0e+00	0.0e+00	EAF1;METTL6
cg18747378	TRUE	0e+00	0.0e+00	HLA-C
cg19478983	TRUE	0e+00	0.0e+00	ING3;ING3
cg26149167	TRUE	0e+00	0.0e+00	TPM4;TPM4
cg04738301	TRUE	0e+00	0.0e+00	NTN4
cg12380209	TRUE	0e+00	0.0e+00	C10orf46
cg03074692	TRUE	0e+00	0.0e+00	
cg07633499	TRUE	0e+00	0.0e+00	UFD1L;UFD1L;CDC45L
cg24180219	TRUE	0e+00	0.0e+00	CALHM3
cg02883198	TRUE	0e+00	0.0e+00	KIT;KIT
cg01377139	TRUE	0e+00	0.0e+00	C6orf130;NFYA;NFYA
cg07557355	TRUE	0e+00	0.0e+00	KIAA0907

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg27294582	TRUE	0e+00	0.0e+00	HOXB8
cg19015582	TRUE	0e+00	0.0e+00	
cg21618713	TRUE	0e+00	0.0e+00	ARFIP1;TIGD4;ARFIP1;ARFIP1;ARFIP1;ARFIP1
cg20741844	TRUE	0e+00	0.0e+00	GNB2L1;SNORD95
cg08305778	TRUE	0e+00	0.0e+00	CCDC93
cg06274917	TRUE	0e+00	0.0e+00	ZNF785
cg00483446	TRUE	0e+00	0.0e+00	KBTBD8;KBTBD8
cg11634531	TRUE	0e+00	0.0e+00	
cg02933881	TRUE	0e+00	0.0e+00	ZNF551
cg20122548	TRUE	0e+00	0.0e+00	SPATA5L1;SPATA5L1
cg10041390	TRUE	0e+00	0.0e+00	PTEN;KILLIN;KILLIN
cg08316775	TRUE	0e+00	0.0e+00	TPRKB
cg19529621	TRUE	0e+00	0.0e+00	
cg19929029	TRUE	0e+00	0.0e+00	PXMP3;PXMP3
cg08209042	TRUE	0e+00	0.0e+00	WDR53;FBXO45
cg23467008	TRUE	0e+00	0.0e+00	ESR1;ESR1;ESR1;ESR1;ESR1
cg16718094	TRUE	0e+00	0.0e+00	SAP30
cg23095615	TRUE	0e+00	0.0e+00	FBXO30
cg07383539	TRUE	0e+00	0.0e+00	
cg07047046	TRUE	0e+00	0.0e+00	RPL30
cg21717758	TRUE	0e+00	0.0e+00	ZNF774
cg02318784	TRUE	0e+00	0.0e+00	
cg12163935	TRUE	0e+00	0.0e+00	IRS1
cg17034082	TRUE	0e+00	0.0e+00	MFAP3;FAM114A2;MFAP3;MFAP3
cg00990974	TRUE	0e+00	0.0e+00	CLUAP1
cg12790134	TRUE	0e+00	0.0e+00	VCIPI1
cg15884202	TRUE	0e+00	0.0e+00	WDR60
cg22076081	TRUE	0e+00	0.0e+00	ZNF133;ZNF133
cg18106800	TRUE	0e+00	0.0e+00	ARSK;TTC37
cg10826045	TRUE	0e+00	0.0e+00	CAPNS1;CAPNS1
cg27619163	TRUE	0e+00	0.0e+00	ALOX12B
cg23986671	TRUE	0e+00	0.0e+00	ADAMTS5;ADAMTS5
cg07740989	TRUE	0e+00	0.0e+00	EEF1A1
cg17340655	TRUE	0e+00	0.0e+00	DDHD2;DDHD2;DDHD2
cg16041611	TRUE	0e+00	0.0e+00	SRF
cg16425577	TRUE	0e+00	0.0e+00	DENND3
cg09007058	TRUE	0e+00	0.0e+00	GPRC5A
cg23358710	TRUE	0e+00	0.0e+00	MRC2
cg25450986	TRUE	0e+00	0.0e+00	TOP2A
cg06820286	TRUE	0e+00	0.0e+00	EWSR1;RHBDD3;EWSR1;EWSR1;EWSR1;EWSR1;EWSR1;EWSR1;EV
cg06892152	TRUE	0e+00	0.0e+00	GLO1
cg05655987	TRUE	0e+00	0.0e+00	HNRNPL;HNRNPL
cg21212494	TRUE	0e+00	0.0e+00	KLHL12
cg22281195	TRUE	0e+00	0.0e+00	SUPT6H;SDF2
cg10742605	TRUE	0e+00	0.0e+00	
cg11638071	TRUE	0e+00	0.0e+00	BZRAP1;BZRAP1;BZRAP1;BZRAP1
cg26887302	TRUE	0e+00	0.0e+00	ERAL1
cg07281688	TRUE	0e+00	0.0e+00	PTGES3
cg03039701	TRUE	0e+00	0.0e+00	SLC2A12
cg18958966	TRUE	0e+00	0.0e+00	OAZ2
cg03912013	TRUE	0e+00	0.0e+00	SACM1L
cg11929629	TRUE	0e+00	0.0e+00	BIK



CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg10101074	TRUE	0e+00	0.0e+00	C13orf18
cg13611934	TRUE	0e+00	0.0e+00	RPP21
cg19080138	TRUE	0e+00	0.0e+00	HERPUD2;HERPUD2
cg16696730	TRUE	0e+00	0.0e+00	RSPH1
cg01896926	TRUE	0e+00	0.0e+00	GLOD4;GLOD4;RNMTL1
cg17264048	TRUE	0e+00	0.0e+00	
cg00603498	TRUE	0e+00	0.0e+00	RPAIN;RPAIN;RPAIN;RPAIN;RPAIN;RPAIN;RPAIN;NUP88;RPAIN;R
cg06536503	TRUE	0e+00	0.0e+00	
cg11795674	TRUE	0e+00	0.0e+00	MORN4;MORN4
cg10284592	TRUE	0e+00	0.0e+00	ZDHC5
cg13931640	TRUE	0e+00	0.0e+00	RXRA
cg19280133	TRUE	0e+00	0.0e+00	MRPS5
cg01176150	TRUE	0e+00	0.0e+00	C16orf58
cg27133713	TRUE	0e+00	0.0e+00	
cg13676204	TRUE	0e+00	0.0e+00	SLC38A6;TRMT5
cg03803858	TRUE	0e+00	0.0e+00	VPS4B;VPS4B
cg03327733	TRUE	0e+00	0.0e+00	SPR
cg15388895	TRUE	0e+00	0.0e+00	ALDH16A1;ALDH16A1;PIH1D1
cg23725734	TRUE	0e+00	0.0e+00	GPR12
cg14123153	TRUE	0e+00	0.0e+00	NCAPD2;MRPL51
cg15738138	TRUE	0e+00	0.0e+00	BECN1
cg11072887	TRUE	0e+00	0.0e+00	RNF8;RNF8
cg05865436	TRUE	0e+00	0.0e+00	ZNF766
cg25340675	TRUE	0e+00	0.0e+00	GOLGB1
cg19187155	TRUE	0e+00	0.0e+00	NMUR1
cg12101108	TRUE	0e+00	0.0e+00	LRRC33
cg23542858	TRUE	0e+00	0.0e+00	RNF139
cg09499787	TRUE	0e+00	0.0e+00	
cg19462523	TRUE	0e+00	0.0e+00	SOX2;SOX2OT;SOX2
cg23077509	TRUE	0e+00	0.0e+00	XRN1;XRN1;XRN1;XRN1
cg15711740	TRUE	0e+00	0.0e+00	XPO1
cg27227786	TRUE	0e+00	0.0e+00	DGKE
cg15264806	TRUE	0e+00	0.0e+00	
cg07663468	TRUE	0e+00	0.0e+00	ZNF230
cg01066274	TRUE	0e+00	0.0e+00	WDR59
cg18283779	TRUE	0e+00	0.0e+00	C2orf89
cg19235955	TRUE	0e+00	0.0e+00	ZNF561;ZNF561
cg13022174	TRUE	0e+00	0.0e+00	SS18;SS18
cg01528792	TRUE	0e+00	0.0e+00	KLF9
cg26031692	TRUE	0e+00	0.0e+00	TMX2;MED19;TMX2;TMX2
cg17418304	TRUE	0e+00	0.0e+00	MTR;MTR
cg06829686	TRUE	0e+00	0.0e+00	
cg11554610	TRUE	0e+00	0.0e+00	MYLK2
cg18587973	TRUE	0e+00	0.0e+00	CDADC1
cg26452244	TRUE	0e+00	0.0e+00	C6orf52;C6orf52;PAK1IP1;C6orf52
cg03956646	TRUE	0e+00	0.0e+00	JRK;JRK
cg08855249	TRUE	0e+00	0.0e+00	MIR29C
cg03231960	TRUE	0e+00	0.0e+00	DBP
cg18263030	TRUE	0e+00	0.0e+00	MARK3;MARK3;MARK3;MARK3;MARK3
cg23374376	TRUE	0e+00	0.0e+00	SIRT2;SIRT2;NFKBIB;SIRT2;NFKBIB;SIRT2
cg04305134	TRUE	0e+00	0.0e+00	ANXA7;ANXA7
cg14240963	TRUE	0e+00	0.0e+00	EIF3D

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg18877635	TRUE	0e+00	0.0e+00	NUP133
cg09874600	TRUE	0e+00	0.0e+00	TRIP4
cg24095088	TRUE	0e+00	0.0e+00	MRPL18;TCP1;TCP1
cg23176172	TRUE	0e+00	0.0e+00	PIF1
cg03493509	TRUE	0e+00	0.0e+00	CGGBP1;CGGBP1
cg18995088	TRUE	0e+00	0.0e+00	CXCL14;CXCL14
cg09526215	TRUE	0e+00	0.0e+00	LOC653391;LOC100170939
cg19709878	TRUE	0e+00	0.0e+00	ZNF652;ZNF652
cg17123534	TRUE	0e+00	0.0e+00	HIST1H4E
cg08409375	TRUE	0e+00	0.0e+00	RIC8A;BET1L;BET1L
cg19473369	TRUE	0e+00	0.0e+00	
cg03807711	TRUE	0e+00	0.0e+00	PHB
cg07458698	TRUE	0e+00	0.0e+00	ETAA1;ETAA1
cg06117184	TRUE	0e+00	0.0e+00	CKAP2L;CKAP2L
cg00848394	TRUE	0e+00	0.0e+00	WDR51A;WDR51A;WDR51A
cg19599862	TRUE	0e+00	0.0e+00	ZNF226;ZNF226;ZNF226;ZNF226;ZNF226;ZNF226
cg09433699	TRUE	0e+00	0.0e+00	C3orf19
cg13563298	TRUE	0e+00	0.0e+00	WNK2
cg05243095	TRUE	0e+00	0.0e+00	MYL12B;MYL12B;MYL12B;MYL12B
cg11337525	TRUE	0e+00	0.0e+00	APOC1
cg12619880	TRUE	0e+00	0.0e+00	ST3GAL3;ST3GAL3;ST3GAL3;ST3GAL3;ST3GAL3;ST3GAL3;ST3GAL3
cg00090767	TRUE	0e+00	0.0e+00	MAX;MAX;MAX;MAX;MAX;MAX
cg20080079	TRUE	0e+00	0.0e+00	TSPAN19;LRRIQ1;LRRIQ1;LRRIQ1;LRRIQ1
cg02952686	TRUE	0e+00	0.0e+00	LRRC28
cg18467110	TRUE	0e+00	0.0e+00	SLC25A36;SLC25A36
cg03646474	TRUE	0e+00	0.0e+00	MRPS14
cg05096259	TRUE	0e+00	0.0e+00	TMF1
cg05768362	TRUE	0e+00	0.0e+00	PIAS3
cg24208426	TRUE	0e+00	0.0e+00	PGAP2;NUP98;NUP98;PGAP2;NUP98;PGAP2;PGAP2;NUP98;PGAP2
cg26072213	TRUE	0e+00	0.0e+00	ITGA1;PELO
cg18455992	TRUE	0e+00	0.0e+00	TMEM41B;TMEM41B
cg22829908	TRUE	0e+00	0.0e+00	C10orf140
cg22272545	TRUE	0e+00	0.0e+00	STK17B;STK17B
cg26713507	TRUE	0e+00	0.0e+00	PLAU;C10orf55;PLAU
cg11131549	TRUE	0e+00	0.0e+00	TRAF5;TRAF5
cg00965391	TRUE	0e+00	0.0e+00	SLC36A4
cg08423350	TRUE	0e+00	0.0e+00	AASDH
cg27112370	TRUE	0e+00	0.0e+00	SNX8
cg15928538	TRUE	0e+00	0.0e+00	
cg26841647	TRUE	0e+00	0.0e+00	BAIAP2;BAIAP2;BAIAP2;BAIAP2
cg19474418	TRUE	0e+00	0.0e+00	ARPC4;ARPC4;ARPC4;ARPC4;TADA3;TADA3
cg15504461	TRUE	0e+00	0.0e+00	
cg15318396	TRUE	0e+00	0.0e+00	
cg15726714	TRUE	0e+00	0.0e+00	PPIE;PPIE;PPIE
cg23704066	TRUE	0e+00	0.0e+00	SHFM1
cg26705425	TRUE	0e+00	0.0e+00	ZNF331
cg21959594	TRUE	0e+00	0.0e+00	ATP8B3
cg18550241	TRUE	0e+00	0.0e+00	TRMT1;TRMT1;NACC1;TRMT1
cg10122302	TRUE	0e+00	0.0e+00	NPHP4
cg06952910	TRUE	0e+00	0.0e+00	CCNA2
cg26888530	TRUE	0e+00	0.0e+00	AFAP1;AFAP1
cg04654153	TRUE	0e+00	0.0e+00	

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg19767650	TRUE	0e+00	0.0e+00	ARPC5;RGL1
cg09788239	TRUE	0e+00	0.0e+00	MED15;MED15
cg10458187	TRUE	0e+00	0.0e+00	ERP44;INVS;INVS;ERP44
cg27239157	TRUE	0e+00	0.0e+00	MCF2L2;MCF2L2
cg03002428	TRUE	0e+00	0.0e+00	HMGB2;HMGB2;HMGB2
cg17386466	TRUE	0e+00	0.0e+00	CD8A
cg21359254	TRUE	0e+00	0.0e+00	
cg02012445	TRUE	0e+00	0.0e+00	NAA30
cg02661426	TRUE	0e+00	0.0e+00	CAPZA1;ST7L;ST7L;ST7L;ST7L
cg02063925	TRUE	0e+00	0.0e+00	CAND1;CAND1
cg06470689	TRUE	0e+00	0.0e+00	TMED1
cg16198571	TRUE	0e+00	0.0e+00	RAPGEF6;RAPGEF6;RAPGEF6;RAPGEF6;RAPGEF6;RAPGEF6
cg23627909	TRUE	0e+00	0.0e+00	RTN1
cg04888030	TRUE	0e+00	0.0e+00	ZC3H6
cg18882576	TRUE	0e+00	0.0e+00	HIBCH;HIBCH
cg06020459	TRUE	0e+00	0.0e+00	CENPK;PPWD1
cg19832172	TRUE	0e+00	0.0e+00	ATF4;ATF4
cg09456289	TRUE	0e+00	0.0e+00	
cg20363309	TRUE	0e+00	0.0e+00	TRIM37;TRIM37
cg14004527	TRUE	0e+00	0.0e+00	DIS3;DIS3;PIBF1;PIBF1
cg23569711	TRUE	0e+00	0.0e+00	TRIM27
cg03209459	TRUE	0e+00	0.0e+00	ARL17A;LRRC37A2
cg16272786	TRUE	0e+00	0.0e+00	GUK1;GUK1;GUK1;GUK1
cg26873439	TRUE	0e+00	0.0e+00	PTPN1
cg00068621	TRUE	0e+00	0.0e+00	RBM22
cg10857941	TRUE	0e+00	0.0e+00	HNRNPAB;HNRNPAB
cg01606576	TRUE	0e+00	0.0e+00	PPIL5;PPIL5
cg11229390	TRUE	0e+00	0.0e+00	PPT2;PPT2;PPT2
cg26187219	TRUE	0e+00	0.0e+00	ITGA1;PELO
cg26279152	TRUE	0e+00	0.0e+00	PSPC1;PSPC1
cg24533678	TRUE	0e+00	0.0e+00	
cg06036941	TRUE	0e+00	0.0e+00	C16orf67
cg20819397	TRUE	0e+00	0.0e+00	RAB14;RAB14
cg17122244	TRUE	0e+00	0.0e+00	SAPS2
cg03294124	TRUE	0e+00	0.0e+00	RNF25;STK36
cg04223366	TRUE	0e+00	0.0e+00	MAGI1;MAGI1;MAGI1;MAGI1;MAGI1
cg04720785	TRUE	0e+00	0.0e+00	CDKN2C;CDKN2C;CDKN2C
cg15799959	TRUE	0e+00	0.0e+00	ZNF248;ZNF248
cg18181571	TRUE	0e+00	0.0e+00	ITGA1;PELO
cg18956558	TRUE	0e+00	0.0e+00	RNF41;RNF41;RNF41
cg24410064	TRUE	0e+00	0.0e+00	C1GALT1
cg07280387	TRUE	0e+00	0.0e+00	PLA2G1B
cg20624451	TRUE	0e+00	0.0e+00	
cg24933173	TRUE	0e+00	0.0e+00	SHF
cg18078305	TRUE	0e+00	0.0e+00	SLC1A4;SLC1A4;SLC1A4
cg06939115	TRUE	0e+00	0.0e+00	DNAJA2
cg04350358	TRUE	0e+00	0.0e+00	NUS1
cg14795047	TRUE	0e+00	0.0e+00	ALG10B
cg03761979	TRUE	0e+00	0.0e+00	C4orf14;POLR2B
cg05637903	TRUE	0e+00	0.0e+00	HIST1H2AG;HIST1H2BJ
cg03989244	TRUE	0e+00	0.0e+00	PKM2;PKM2;PKM2
cg04798796	TRUE	0e+00	0.0e+00	GLUD1;FAM35A

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg26196213	TRUE	0e+00	0.0e+00	
cg03484703	TRUE	0e+00	0.0e+00	
cg04944806	TRUE	0e+00	0.0e+00	
cg24213508	TRUE	0e+00	0.0e+00	YIPF2;C19orf52
cg10387956	TRUE	0e+00	0.0e+00	HEXA
cg21820517	TRUE	0e+00	0.0e+00	ECE1
cg07222113	TRUE	0e+00	0.0e+00	DCAF13;SLC25A32
cg01182865	TRUE	0e+00	0.0e+00	
cg15485323	TRUE	0e+00	0.0e+00	HIST1H1D;HIST1H1D
cg00152768	TRUE	0e+00	0.0e+00	TMEM115
cg12610061	TRUE	0e+00	0.0e+00	ZNF643
cg12201929	TRUE	0e+00	0.0e+00	BAT3;BAT3;BAT3;BAT3
cg08417687	TRUE	0e+00	0.0e+00	SNX3;SNX3
cg07590529	TRUE	0e+00	0.0e+00	TBX18
cg26221796	TRUE	0e+00	0.0e+00	CDC42EP5
cg01921437	TRUE	0e+00	0.0e+00	CSMD1
cg06850548	TRUE	0e+00	0.0e+00	LYSMD1;SCNM1;LYSMD1;SCNM1
cg24102601	TRUE	0e+00	0.0e+00	NAA25
cg06172942	TRUE	0e+00	0.0e+00	RASSF1;RASSF1
cg02949340	TRUE	0e+00	0.0e+00	KAZALD1
cg17323493	TRUE	0e+00	0.0e+00	PRKAG2;PRKAG2
cg11021200	TRUE	0e+00	0.0e+00	SKA3;SKA3;MRP63
cg18282264	TRUE	0e+00	0.0e+00	AIMP2;AIMP2;PMS2;PMS2
cg06527181	TRUE	0e+00	0.0e+00	C20orf132;RPN2;RPN2;C20orf132;C20orf132
cg05091519	TRUE	0e+00	0.0e+00	PAX6
cg04232541	TRUE	0e+00	0.0e+00	PLAGL1;PLAGL1
cg18549946	TRUE	0e+00	0.0e+00	TOMM20L
cg16967880	TRUE	0e+00	0.0e+00	HOXA10;HOXA10
cg13934093	TRUE	0e+00	0.0e+00	UBXN6
cg16971745	TRUE	0e+00	0.0e+00	IFIH1
cg26110653	TRUE	0e+00	0.0e+00	UFM1
cg13669465	TRUE	0e+00	0.0e+00	ZDHHHC16;EXOSC1;ZDHHHC16;ZDHHHC16;ZDHHHC16;ZDHHHC16
cg14078059	TRUE	0e+00	0.0e+00	
cg08098457	TRUE	0e+00	0.0e+00	MDH1;C2orf86
cg11814875	TRUE	0e+00	0.0e+00	GNG7
cg07173783	TRUE	0e+00	0.0e+00	PFDN6;WDR46;WDR46
cg05707492	TRUE	0e+00	0.0e+00	RPTOR;RPTOR
cg22675162	TRUE	0e+00	0.0e+00	SNRPG
cg19204131	TRUE	0e+00	0.0e+00	
cg12449040	TRUE	0e+00	0.0e+00	NR1H3;ACP2;ACP2
cg10124993	TRUE	0e+00	0.0e+00	CDCA4;CDCA4
cg05731183	TRUE	0e+00	0.0e+00	
cg17006779	TRUE	0e+00	0.0e+00	NUFIP2
cg27024272	TRUE	0e+00	0.0e+00	
cg08905895	TRUE	0e+00	0.0e+00	NBLA00301;HAND2
cg15361590	TRUE	0e+00	0.0e+00	PCDHGA4;PCDHGC3;PCDHGA12;PCDHGA11;PCDHGA11;PCDHGA
cg07211377	TRUE	0e+00	0.0e+00	KIAA1161
cg04041942	TRUE	0e+00	0.0e+00	INTS9;HMBOX1;INTS9;HMBOX1;INTS9;INTS9;INTS9
cg19602081	TRUE	0e+00	0.0e+00	PITX2;PITX2
cg21851142	TRUE	0e+00	0.0e+00	ENPP1
cg02653526	TRUE	0e+00	0.0e+00	PNKP
cg22144125	TRUE	0e+00	0.0e+00	MOSPD3;MOSPD3;MOSPD3;MOSPD3

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg04546999	TRUE	0e+00	0.0e+00	SPRR1A
cg24671951	TRUE	0e+00	0.0e+00	ATP8B2;ATP8B2
cg24806675	TRUE	0e+00	0.0e+00	HK2
cg17773000	TRUE	0e+00	0.0e+00	KLHL7;KLHL7
cg05591758	TRUE	0e+00	0.0e+00	WBP1
cg08416569	TRUE	0e+00	0.0e+00	IMP4;CCDC115
cg00544901	TRUE	0e+00	0.0e+00	RPS11
cg06785999	TRUE	0e+00	0.0e+00	SIX6;SIX6
cg12206199	TRUE	0e+00	0.0e+00	LOC375196;LOC100271715
cg22004443	TRUE	0e+00	0.0e+00	PDIA6
cg01344420	TRUE	0e+00	0.0e+00	
cg13383235	TRUE	0e+00	0.0e+00	RPA3
cg19675288	TRUE	0e+00	0.0e+00	T
cg20718083	TRUE	0e+00	0.0e+00	OVOL1
cg19695335	TRUE	0e+00	0.0e+00	NANP
cg03156443	TRUE	0e+00	0.0e+00	
cg03392673	TRUE	0e+00	0.0e+00	OLFML2B
cg02519751	TRUE	0e+00	0.0e+00	ZIC1
cg02022733	TRUE	0e+00	0.0e+00	PCDHGA4;PCDHGC3;PCDHGA12;PCDHGA11;PCDHGA11;PCDHGA
cg01302656	TRUE	0e+00	0.0e+00	C14orf23
cg03072229	TRUE	0e+00	0.0e+00	C16orf68
cg26674752	TRUE	0e+00	0.0e+00	CSGALNACT2
cg25794819	TRUE	0e+00	0.0e+00	PPP1R12C
cg03959891	TRUE	0e+00	0.0e+00	PILRB;PMS2L1;PILRB
cg08147886	TRUE	0e+00	0.0e+00	ACSL3;ACSL3
cg00657871	TRUE	0e+00	0.0e+00	SSX2IP;SSX2IP;SSX2IP;SSX2IP;SSX2IP
cg10823086	TRUE	0e+00	0.0e+00	
cg04548376	TRUE	0e+00	0.0e+00	SNRPB;SNRPB
cg14711201	TRUE	0e+00	0.0e+00	SKP2;SKP2;LMBRD2
cg02891664	TRUE	0e+00	0.0e+00	FGFRL1;FGFRL1
cg22800007	TRUE	0e+00	0.0e+00	
cg18538332	TRUE	0e+00	0.0e+00	LOC391322
cg01578073	TRUE	0e+00	0.0e+00	NARS2;NARS2;NARS2
cg15082166	TRUE	0e+00	0.0e+00	ZNF608
cg07159858	TRUE	0e+00	0.0e+00	FOS
cg18022279	TRUE	0e+00	0.0e+00	C1orf124;C1orf124;EXOC8
cg15559186	TRUE	0e+00	0.0e+00	STMN3
cg23811837	TRUE	0e+00	0.0e+00	C6orf52;PAK1IP1;C6orf52;C6orf52
cg10880995	TRUE	0e+00	0.0e+00	PDE12
cg19099833	TRUE	0e+00	0.0e+00	CSRP1;CSRP1;CSRP1;CSRP1
cg22413126	TRUE	0e+00	0.0e+00	PSMB8;PSMB8;PSMB8
cg22095604	TRUE	0e+00	0.0e+00	NOL4;NOL4
cg11726986	TRUE	0e+00	0.0e+00	CSTF3;CSTF3;CSTF3;CSTF3;CSTF3;CSTF3
cg01067849	TRUE	0e+00	0.0e+00	WRNIP1;WRNIP1
cg03659961	TRUE	0e+00	0.0e+00	DNAH17
cg27551078	TRUE	0e+00	0.0e+00	
cg08358671	TRUE	0e+00	0.0e+00	IVNS1ABP
cg11930554	TRUE	0e+00	0.0e+00	
cg25373372	TRUE	0e+00	0.0e+00	FAM46A
cg25423402	TRUE	0e+00	0.0e+00	IVNS1ABP
cg01182555	TRUE	0e+00	0.0e+00	HIF1A;HIF1A
cg02892961	TRUE	0e+00	0.0e+00	DNAJC28;DNAJC28;DNAJC28

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg01559663	TRUE	0e+00	0.0e+00	NPBWR1
cg12023693	TRUE	0e+00	0.0e+00	RFX8;RFX8
cg18299363	TRUE	0e+00	0.0e+00	C10orf76
cg02815282	TRUE	0e+00	0.0e+00	LOC100130987;CLCF1;CLCF1;CLCF1
cg08165578	TRUE	0e+00	0.0e+00	C8orf37
cg06024111	TRUE	0e+00	0.0e+00	MAD2L1BP;GTPBP2
cg02234820	TRUE	0e+00	0.0e+00	LPAR3
cg22702784	TRUE	0e+00	0.0e+00	ASXL2
cg17368989	TRUE	0e+00	0.0e+00	ATP6V1C1
cg08533773	TRUE	0e+00	0.0e+00	
cg19173602	TRUE	0e+00	0.0e+00	C7orf63;C7orf63
cg20488820	TRUE	0e+00	0.0e+00	
cg21264329	TRUE	0e+00	0.0e+00	LYRM2;LYRM2;LYRM2;LYRM2
cg08208917	TRUE	0e+00	0.0e+00	GANC;TMEM87A;TMEM87A
cg06826431	TRUE	0e+00	0.0e+00	NFE2L1
cg00367659	TRUE	0e+00	0.0e+00	CCT6B;ZNF830
cg09599399	TRUE	0e+00	0.0e+00	PPT2;PPT2;PPT2
cg11316940	TRUE	0e+00	0.0e+00	
cg19591588	TRUE	0e+00	0.0e+00	SACM1L;SACM1L
cg17244462	TRUE	0e+00	0.0e+00	CAMK2D;CAMK2D;CAMK2D;CAMK2D;CAMK2D;CAMK2D;CAMK2D
cg24114556	TRUE	0e+00	0.0e+00	WNT3
cg19019321	TRUE	0e+00	0.0e+00	TANC1;TANC1
cg15717656	TRUE	0e+00	0.0e+00	TTC31;TTC31;CCDC142
cg14453251	TRUE	0e+00	0.0e+00	CEP97
cg04844543	TRUE	0e+00	0.0e+00	KIF9;KIF9;KIF9;KLHL18
cg13303475	TRUE	0e+00	0.0e+00	NT5DC3
cg22624255	TRUE	0e+00	0.0e+00	ZNF101
cg14125250	TRUE	0e+00	0.0e+00	PIK3R2
cg04878973	TRUE	0e+00	0.0e+00	NDUFAF3;DALRD3;MIR425;NDUFAF3;NDUFAF3;NDUFAF3
cg01346915	TRUE	0e+00	0.0e+00	UBE2I;UBE2I;UBE2I;UBE2I
cg09951650	TRUE	0e+00	0.0e+00	AP4E1
cg03468945	TRUE	0e+00	0.0e+00	OAT
cg03697316	TRUE	0e+00	0.0e+00	LZTR1
cg01872295	TRUE	0e+00	0.0e+00	BRD2;BRD2
cg16375290	TRUE	0e+00	0.0e+00	
cg12747860	TRUE	0e+00	0.0e+00	TUBB2B
cg08515713	TRUE	0e+00	0.0e+00	BAD;BAD
cg07135388	TRUE	0e+00	0.0e+00	KCNJ10
cg16480660	TRUE	0e+00	0.0e+00	LRRC28
cg25451874	TRUE	0e+00	0.0e+00	ZNF569
cg19510484	TRUE	0e+00	0.0e+00	METAP2
cg06207852	TRUE	0e+00	0.0e+00	MKL1
cg00815179	TRUE	0e+00	0.0e+00	PDE12
cg21552867	TRUE	0e+00	0.0e+00	SUCLG1;SUCLG1
cg07538747	TRUE	0e+00	0.0e+00	RBM12B
cg03273509	TRUE	0e+00	0.0e+00	VAPA;VAPA
cg07236718	TRUE	0e+00	0.0e+00	RBPMS;RBPMS;RBPMS;RBPMS
cg15883721	TRUE	0e+00	0.0e+00	EFCAB4A
cg07833035	TRUE	0e+00	0.0e+00	RPS23
cg01457080	TRUE	0e+00	0.0e+00	ANGEL1
cg24354901	TRUE	0e+00	0.0e+00	KDM5B
cg25449542	TRUE	0e+00	0.0e+00	HIC1

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg11750756	TRUE	0e+00	0.0e+00	TMBIM6;TMBIM6
cg10049880	TRUE	0e+00	0.0e+00	LRSAM1;LRSAM1;RPL12;LRSAM1
cg06449863	TRUE	0e+00	0.0e+00	GIN51
cg01209943	TRUE	0e+00	0.0e+00	CDKN3;CDKN3
cg21549639	TRUE	0e+00	0.0e+00	TOMM40;TOMM40;TOMM40
cg04488215	TRUE	0e+00	0.0e+00	CACYBP;CACYBP
cg23927976	TRUE	0e+00	0.0e+00	ZNF444
cg15388462	TRUE	0e+00	0.0e+00	MAD2L1BP;GTPBP2
cg10849092	TRUE	0e+00	0.0e+00	
cg24523585	TRUE	0e+00	0.0e+00	CDADC1
cg26521562	TRUE	0e+00	0.0e+00	AXL;AXL
cg17852997	TRUE	0e+00	0.0e+00	CRYL1
cg21547976	TRUE	0e+00	0.0e+00	STK11;STK11
cg05596135	TRUE	0e+00	0.0e+00	TXNL4B;TXNL4B;DHX38;TXNL4B
cg08140343	TRUE	0e+00	0.0e+00	ZNF420
cg11718235	TRUE	0e+00	0.0e+00	ZNF583;ZNF583;ZNF583
cg22632663	TRUE	0e+00	0.0e+00	RNF41;RNF41;RNF41
cg18212591	TRUE	0e+00	0.0e+00	C13orf27
cg12870876	TRUE	0e+00	0.0e+00	ICA1L;ICA1L;ICA1L
cg26554505	TRUE	0e+00	0.0e+00	WNT5A
cg14082963	TRUE	0e+00	0.0e+00	PIGY;PIGY
cg10462416	TRUE	0e+00	0.0e+00	NOLC1
cg06452779	TRUE	0e+00	0.0e+00	CRYAA
cg05759182	TRUE	0e+00	0.0e+00	SFRS8
cg08536977	TRUE	0e+00	0.0e+00	UNK
cg03423968	TRUE	0e+00	0.0e+00	BUB3;BUB3
cg00673674	TRUE	0e+00	0.0e+00	SFRS14;ARMC6;SFRS14
cg00288562	TRUE	0e+00	0.0e+00	TRA2A;TRA2A
cg17994050	TRUE	0e+00	0.0e+00	NCRNA00171;ZNRD1;ZNRD1;ZNRD1;ZNRD1
cg06202094	TRUE	0e+00	0.0e+00	C10orf131
cg17350349	TRUE	0e+00	0.0e+00	NHLRC3;C13orf23;C13orf23;NHLRC3;NHLRC3;NHLRC3
cg10163945	TRUE	0e+00	0.0e+00	COMMD10
cg02220499	TRUE	0e+00	0.0e+00	IQCK;C16orf88
cg02127607	TRUE	0e+00	0.0e+00	SMARCD2;SMARCD2
cg23244997	TRUE	0e+00	0.0e+00	C1orf156;C1orf112;C1orf156
cg03031773	TRUE	0e+00	0.0e+00	ATP5G1;ATP5G1
cg18279094	TRUE	0e+00	0.0e+00	FOXO3
cg08522107	TRUE	0e+00	0.0e+00	ZNF354C
cg04675861	TRUE	0e+00	0.0e+00	
cg17085748	TRUE	0e+00	0.0e+00	MXD1
cg10953498	TRUE	0e+00	0.0e+00	RIC8A;BET1L;BET1L
cg27661869	TRUE	0e+00	0.0e+00	DCAF7
cg06954855	TRUE	0e+00	0.0e+00	SLAMF8
cg25270788	TRUE	0e+00	0.0e+00	RUVBL2;GYS1;GYS1;GYS1
cg13038422	TRUE	0e+00	0.0e+00	CACNA2D4
cg13089904	TRUE	0e+00	0.0e+00	
cg14815005	TRUE	0e+00	0.0e+00	MAPK1;MAPK1
cg09155575	TRUE	0e+00	0.0e+00	ORMDL3
cg07209631	TRUE	0e+00	0.0e+00	PPM1K;PPM1K
cg09427568	TRUE	0e+00	0.0e+00	
cg05376810	TRUE	0e+00	0.0e+00	
cg19556208	TRUE	0e+00	0.0e+00	IRF9

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg18781817	TRUE	0e+00	0.0e+00	
cg11888151	TRUE	0e+00	0.0e+00	CRKL
cg27286107	TRUE	0e+00	0.0e+00	CGGBP1;CGGBP1
cg23314071	TRUE	0e+00	0.0e+00	
cg07391436	TRUE	0e+00	0.0e+00	PRELID2;PRELID2;PRELID2
cg09984370	TRUE	0e+00	0.0e+00	ZNF567
cg20188282	TRUE	0e+00	0.0e+00	GTF3C5;GTF3C5;GTF3C5;GTF3C5
cg12712846	TRUE	0e+00	0.0e+00	IER5
cg11328704	TRUE	0e+00	0.0e+00	
cg05710540	TRUE	0e+00	0.0e+00	
cg08522087	TRUE	0e+00	0.0e+00	ANKH
cg17723958	TRUE	0e+00	0.0e+00	CCDC92
cg14237749	TRUE	0e+00	0.0e+00	SLC2A6;SLC2A6
cg08230118	TRUE	0e+00	0.0e+00	TRIM26
cg17026162	TRUE	0e+00	0.0e+00	C21orf33;C21orf33
cg14377370	TRUE	0e+00	0.0e+00	NCAPG;DCAF16;DCAF16
cg16783819	TRUE	0e+00	0.0e+00	HSF2;HSF2;HSF2;HSF2
cg27099086	TRUE	0e+00	0.0e+00	BRD2;BRD2
cg11980791	TRUE	0e+00	0.0e+00	COQ4;COQ4;TRUB2
cg19254558	TRUE	0e+00	0.0e+00	PARL;PARL
cg03968126	TRUE	0e+00	0.0e+00	SP2
cg10229726	TRUE	0e+00	0.0e+00	WDR59
cg21341150	TRUE	0e+00	0.0e+00	TNIK;TNIK;TNIK;TNIK;TNIK;TNIK;TNIK;TNIK
cg01035260	TRUE	0e+00	0.0e+00	
cg04275707	TRUE	0e+00	0.0e+00	CRNKL1;C20orf26
cg12361356	TRUE	0e+00	0.0e+00	CAMSAP1L1
cg11975718	TRUE	0e+00	0.0e+00	HELQ;MRPS18C
cg03039196	TRUE	0e+00	0.0e+00	ZNF230
cg08007647	FALSE	0e+00	0.0e+00	C1orf146
cg04121495	TRUE	0e+00	0.0e+00	SEPSECS;SEPSECS;SEPSECS
cg26244952	TRUE	0e+00	0.0e+00	PRDM6
cg00993799	TRUE	0e+00	0.0e+00	LOC100216545
cg02258846	TRUE	0e+00	0.0e+00	SCML4
cg00356694	TRUE	0e+00	0.0e+00	SPNS3
cg04696559	TRUE	0e+00	0.0e+00	SKP2;SKP2;LMBRD2
cg15825175	TRUE	0e+00	0.0e+00	KLF10
cg00322667	TRUE	0e+00	0.0e+00	COASY;COASY;COASY;COASY;COASY;COASY;COASY;COASY;CO
cg05722981	TRUE	0e+00	0.0e+00	
cg19060382	TRUE	0e+00	0.0e+00	LOC253724;HSP90B1
cg16402894	TRUE	0e+00	0.0e+00	USP47
cg06826845	TRUE	0e+00	0.0e+00	CACYBP;CACYBP
cg14569639	TRUE	0e+00	0.0e+00	DMXL1;DMXL1
cg04888085	TRUE	0e+00	0.0e+00	THBS1
cg26923490	TRUE	0e+00	0.0e+00	KCNA7
cg21292152	TRUE	0e+00	0.0e+00	ZNF829;ZNF568;ZNF829
cg20784823	TRUE	0e+00	0.0e+00	
cg13841901	TRUE	0e+00	0.0e+00	MUTYH;TOE1;MUTYH;MUTYH;MUTYH;MUTYH;MUTYH;MUTYH
cg08849049	TRUE	0e+00	0.0e+00	GMNN
cg04099813	TRUE	0e+00	0.0e+00	TSSC4
cg22967516	TRUE	0e+00	0.0e+00	IREB2
cg10155126	TRUE	0e+00	0.0e+00	KIAA0895;KIAA0895
cg06932521	TRUE	0e+00	0.0e+00	DERL1;DERL1



CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg00267325	TRUE	0e+00	0.0e+00	HLA-F;HLA-F;HLA-F
cg16038120	TRUE	0e+00	0.0e+00	FOXG1
cg21795699	TRUE	0e+00	0.0e+00	ZSWIM7;TTC19;ZSWIM7
cg02210602	TRUE	0e+00	0.0e+00	TRIM26
cg05146683	TRUE	0e+00	0.0e+00	SS18;SS18
cg00280761	TRUE	0e+00	0.0e+00	DGCR14
cg17648252	TRUE	0e+00	0.0e+00	MAML1
cg00045190	TRUE	0e+00	0.0e+00	
cg25013184	TRUE	0e+00	0.0e+00	
cg01997230	TRUE	0e+00	0.0e+00	
cg07447929	TRUE	0e+00	0.0e+00	
cg18751306	TRUE	0e+00	0.0e+00	MESDC1;MESDC1
cg23709121	TRUE	0e+00	0.0e+00	C14orf149;JKAMP;JKAMP
cg08064553	TRUE	0e+00	0.0e+00	CENPBD1;AFG3L1;AFG3L1;CENPBD1;AFG3L1
cg26460378	TRUE	0e+00	0.0e+00	WDR62;THAP8;WDR62;THAP8
cg04855748	TRUE	0e+00	0.0e+00	C11orf20
cg14858951	TRUE	0e+00	0.0e+00	NR1D1
cg19926434	TRUE	0e+00	0.0e+00	GPHN;GPHN
cg22780475	TRUE	0e+00	0.0e+00	CBLC;CBLC
cg03390569	TRUE	0e+00	0.0e+00	LOC100302652;ASB3;ERLEC1;ERLEC1;ASB3;ERLEC1
cg08592890	TRUE	0e+00	0.0e+00	CTF1;CTF1
cg01522975	TRUE	0e+00	0.0e+00	VPS45
cg05674990	TRUE	0e+00	0.0e+00	MMP25
cg06160898	TRUE	0e+00	0.0e+00	CDCP1;CDCP1
cg16576664	TRUE	0e+00	0.0e+00	CTU1
cg16787025	TRUE	0e+00	0.0e+00	AP4E1
cg26330088	TRUE	0e+00	0.0e+00	PHTF2;PHTF2;TMEM60
cg19846193	TRUE	0e+00	0.0e+00	TGFBR3
cg22527345	TRUE	0e+00	0.0e+00	CCDC71
cg19960616	TRUE	0e+00	0.0e+00	
cg05867307	TRUE	0e+00	0.0e+00	USP38
cg12183522	TRUE	0e+00	0.0e+00	ATP5B;SNORD59A
cg01593378	TRUE	0e+00	0.0e+00	
cg07235071	TRUE	0e+00	0.0e+00	LYSMD1;LYSMD1;SCNM1
cg00065921	TRUE	0e+00	0.0e+00	CEBPZ;C2orf56;C2orf56
cg22322834	TRUE	0e+00	0.0e+00	TMBIM6;TMBIM6
cg11368578	TRUE	0e+00	0.0e+00	CDK5;CDK5;CDK5;CDK5
cg10384245	TRUE	0e+00	0.0e+00	ADCYAP1;ADCYAP1
cg17352995	TRUE	0e+00	0.0e+00	SH3TC1;SH3TC1
cg01358551	TRUE	0e+00	0.0e+00	AP2S1;AP2S1
cg09843086	TRUE	0e+00	0.0e+00	MKLN1;MKLN1
cg04940109	TRUE	0e+00	0.0e+00	BMPR2
cg16706631	TRUE	0e+00	0.0e+00	HIST1H4E
cg21641552	TRUE	0e+00	0.0e+00	TMTCC3;CEP290;CEP290
cg23404562	TRUE	0e+00	0.0e+00	NHLRC2;DCLRE1A
cg00703260	TRUE	0e+00	0.0e+00	SLC30A2;SLC30A2
cg20157484	TRUE	0e+00	0.0e+00	SFRS2IP
cg21797405	TRUE	0e+00	0.0e+00	APBB3;APBB3;APBB3;SLC35A4;APBB3
cg25282410	TRUE	0e+00	0.0e+00	TCP1;TCP1;MRPL18
cg08888916	TRUE	0e+00	0.0e+00	SCN4B;SCN4B;SCN4B;SCN4B
cg25201418	TRUE	0e+00	0.0e+00	
cg13360562	TRUE	0e+00	0.0e+00	THBS1

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg03272292	TRUE	0e+00	0.0e+00	C12orf68
cg19373170	TRUE	0e+00	0.0e+00	SFMBT1;SFMBT1;SFMBT1;SFMBT1
cg02266714	TRUE	0e+00	0.0e+00	HTR7P;HEBP1
cg08605641	TRUE	0e+00	0.0e+00	PLEKHF2
cg00969787	TRUE	0e+00	0.0e+00	TESK2
cg04936382	TRUE	0e+00	0.0e+00	RPRD1B;KIAA0406;RPRD1B
cg06008158	TRUE	0e+00	0.0e+00	PCM1
cg17741291	TRUE	0e+00	0.0e+00	DDX21
cg02051771	TRUE	0e+00	0.0e+00	PCDHA7;PCDHA12;PCDHA6;PCDHA10;PCDHA4;PCDHA11;PCDHA12
cg20850195	TRUE	0e+00	0.0e+00	SNORA76;SNORD104
cg13719188	TRUE	0e+00	0.0e+00	ERO1LB
cg19568834	TRUE	0e+00	0.0e+00	CPNE1;CPNE1;RBM12;CPNE1;CPNE1;CPNE1;RBM12;CPNE1;CPNE1
cg12586596	TRUE	0e+00	0.0e+00	MFSD5;MFSD5
cg00739770	TRUE	0e+00	0.0e+00	TMEM101
cg09717987	TRUE	0e+00	0.0e+00	WDR92;PNO1
cg05105845	TRUE	0e+00	0.0e+00	GCH1;GCH1;GCH1;GCH1
cg15409468	TRUE	0e+00	0.0e+00	RNASEN;RNASEN;C5orf22;RNASEN;RNASEN
cg20963227	TRUE	0e+00	0.0e+00	
cg11196693	TRUE	0e+00	0.0e+00	CCDC51;CCDC72
cg07500976	TRUE	0e+00	0.0e+00	IER2;STX10;IER2
cg26406994	TRUE	0e+00	0.0e+00	RAP1GDS1;RAP1GDS1;RAP1GDS1;RAP1GDS1;RAP1GDS1;RAP1GDS1
cg07987587	TRUE	0e+00	0.0e+00	NDUFA6
cg02690638	TRUE	0e+00	0.0e+00	NRG3;NRG3
cg17218495	TRUE	0e+00	0.0e+00	SMARCA4;SMARCA4;SMARCA4;SMARCA4;SMARCA4
cg26656684	TRUE	0e+00	0.0e+00	SDCBP;SDCBP;SDCBP;SDCBP;SDCBP
cg16248400	TRUE	0e+00	0.0e+00	CCDC74B
cg10546210	TRUE	0e+00	0.0e+00	
cg09678836	TRUE	0e+00	0.0e+00	MCF2L
cg11748640	TRUE	0e+00	0.0e+00	RPL36;RPL36
cg21519867	TRUE	0e+00	0.0e+00	SLU7;SLU7
cg03324837	TRUE	0e+00	0.0e+00	
cg24595957	TRUE	0e+00	0.0e+00	PARP2;RPPH1;PARP2
cg20634733	TRUE	0e+00	0.0e+00	TRAPPC1;TRAPPC1;CNTROB;CNTROB;TRAPPC1;TRAPPC1
cg00792172	TRUE	0e+00	0.0e+00	ENSA;ENSA;ENSA;ENSA;ENSA;ENSA;ENSA;ENSA
cg13149307	TRUE	0e+00	0.0e+00	PLXDC2
cg05598205	TRUE	0e+00	0.0e+00	ORC6L;VPS35
cg03868193	TRUE	0e+00	0.0e+00	SLC37A2;SLC37A2
cg18913076	TRUE	0e+00	0.0e+00	TSGA10;LIPT1;LIPT1;LIPT1;LIPT1;LIPT1
cg07287463	TRUE	0e+00	0.0e+00	FOXD2;FOXD2
cg10098010	TRUE	0e+00	0.0e+00	KIAA1244
cg24134897	TRUE	0e+00	0.0e+00	TSPAN4;TSPAN4;TSPAN4;TSPAN4;TSPAN4;TSPAN4;TSPAN4
cg24452005	TRUE	0e+00	0.0e+00	VAPA;VAPA
cg06872176	TRUE	0e+00	0.0e+00	GPR177;GPR177
cg04450459	TRUE	0e+00	0.0e+00	
cg16480692	TRUE	0e+00	0.0e+00	ZNF75A
cg21553656	TRUE	0e+00	0.0e+00	DAG1;DAG1
cg08844848	TRUE	0e+00	0.0e+00	LRRN1
cg09276355	TRUE	0e+00	0.0e+00	C13orf1;C13orf1;C13orf1
cg20726804	TRUE	0e+00	0.0e+00	TGOLN2
cg18662365	TRUE	0e+00	0.0e+00	
cg10274950	TRUE	0e+00	0.0e+00	ZNF500
cg18436128	TRUE	0e+00	0.0e+00	RAB15

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg20185890	TRUE	0e+00	0.0e+00	RPL22L1;RPL22L1
cg07834476	TRUE	0e+00	0.0e+00	ENKUR;THNSL1
cg00490450	TRUE	0e+00	0.0e+00	COPB2;COPB2
cg03896436	TRUE	0e+00	0.0e+00	
cg15093003	TRUE	0e+00	0.0e+00	ATE1;ATE1
cg18208654	TRUE	0e+00	0.0e+00	VAT1
cg03949978	TRUE	0e+00	0.0e+00	LRRC14
cg20289688	TRUE	0e+00	0.0e+00	MYOD1
cg10977398	TRUE	0e+00	0.0e+00	ITGB5
cg08793459	TRUE	0e+00	0.0e+00	PTRH2;TMEM49
cg01822624	TRUE	0e+00	0.0e+00	NPR3
cg26612088	TRUE	0e+00	0.0e+00	JMJD6;C17orf95;JMJD6;JMJD6;JMJD6
cg08554936	TRUE	0e+00	0.0e+00	CCDC61
cg13603859	TRUE	0e+00	0.0e+00	TCERG1;TCERG1
cg07034928	TRUE	0e+00	0.0e+00	FAM155A
cg10603824	TRUE	0e+00	0.0e+00	
cg08659293	TRUE	0e+00	0.0e+00	CAP1;CAP1
cg13621317	TRUE	0e+00	0.0e+00	MYO15B
cg11213348	TRUE	0e+00	0.0e+00	OXSR1
cg08349117	TRUE	0e+00	0.0e+00	N6AMT2
cg04529724	TRUE	0e+00	0.0e+00	RAET1G
cg04457069	TRUE	0e+00	0.0e+00	
cg03762404	TRUE	0e+00	0.0e+00	MTX1;MTX1
cg03826601	TRUE	0e+00	0.0e+00	M6PR
cg12106271	TRUE	0e+00	0.0e+00	TIAM2;TIAM2
cg22211971	TRUE	0e+00	0.0e+00	GGA3;MRPS7;MRPS7;GGA3
cg27312727	TRUE	0e+00	0.0e+00	AP3B1
cg04123995	TRUE	0e+00	0.0e+00	CDC42EP4
cg01571775	TRUE	0e+00	0.0e+00	
cg25533547	TRUE	0e+00	0.0e+00	EXOC6B
cg06641415	TRUE	0e+00	0.0e+00	
cg23957424	TRUE	0e+00	0.0e+00	TRAF6;TRAF6
cg14565752	TRUE	0e+00	0.0e+00	SLC8A2
cg18899018	TRUE	0e+00	0.0e+00	
cg14820927	TRUE	0e+00	0.0e+00	C18orf10;KIAA1328
cg10726394	TRUE	0e+00	0.0e+00	ARID1B;ARID1B;ARID1B
cg06911282	TRUE	0e+00	0.0e+00	FDFT1
cg13218803	TRUE	0e+00	0.0e+00	PEF1
cg00672574	TRUE	0e+00	0.0e+00	MRPL12
cg04210544	TRUE	0e+00	0.0e+00	ARHGEF7;ARHGEF7;ARHGEF7;ARHGEF7
cg15896098	TRUE	0e+00	0.0e+00	MMACHC;CCDC163P
cg13519464	TRUE	0e+00	0.0e+00	UBL5;UBL5
cg02567756	TRUE	0e+00	0.0e+00	ARMC8;ARMC8;ARMC8;ARMC8;ARMC8;ARMC8
cg22726039	TRUE	0e+00	0.0e+00	SLC30A6
cg18354764	TRUE	0e+00	0.0e+00	DUSP18
cg14940636	TRUE	0e+00	0.0e+00	PA2G4
cg12646754	TRUE	0e+00	0.0e+00	
cg10101470	TRUE	0e+00	0.0e+00	LRRC8D;LRRC8D;LRRC8D
cg09346904	TRUE	0e+00	0.0e+00	AGPAT5
cg14093127	TRUE	0e+00	0.0e+00	
cg09072322	TRUE	0e+00	0.0e+00	C10orf18
cg20811856	FALSE	0e+00	0.0e+00	TMEM51;TMEM51;TMEM51;TMEM51;TMEM51;TMEM51;C1orf126

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg25914931	TRUE	0e+00	0.0e+00	KIF11
cg21893314	TRUE	0e+00	0.0e+00	BUB1B
cg10767909	TRUE	0e+00	0.0e+00	ZNF566;ZNF566;ZNF566;ZNF566
cg18324242	TRUE	0e+00	0.0e+00	CCDC123;CCDC123;C19orf40
cg17271146	TRUE	0e+00	0.0e+00	COPZ1
cg00170487	TRUE	0e+00	0.0e+00	FHDC1
cg01010781	TRUE	0e+00	0.0e+00	TMED4
cg09118169	TRUE	0e+00	0.0e+00	NUBP2;SPSB3
cg05964529	TRUE	0e+00	0.0e+00	GPN3;C12orf24;GPN3;C12orf24;GPN3
cg14064229	TRUE	0e+00	0.0e+00	COX7A2L
cg11967431	TRUE	0e+00	0.0e+00	LOC440461
cg21452766	TRUE	0e+00	0.0e+00	CTH;CTH;CTH;CTH
cg17512843	TRUE	0e+00	0.0e+00	RNF34;RNF34
cg08726195	TRUE	0e+00	0.0e+00	PHTF2;PHTF2;TMEM60
cg10998744	TRUE	0e+00	0.0e+00	GATSL3
cg16813892	TRUE	0e+00	0.0e+00	MTF2;MTF2;MTF2;MTF2
cg05340844	TRUE	0e+00	0.0e+00	NGRN;NGRN
cg02214096	TRUE	0e+00	0.0e+00	VAT1L
cg22175873	TRUE	0e+00	0.0e+00	PCDHGA4;PCDHGA9;PCDHGA1;PCDHGB1;PCDHGB6;PCDHGB3;P
cg21453287	TRUE	0e+00	0.0e+00	ASH2L;ASH2L;ASH2L
cg11792664	TRUE	0e+00	0.0e+00	UQCR
cg10282371	TRUE	0e+00	0.0e+00	ADAM9;TM2D2;ADAM9;TM2D2;ADAM9;ADAM9;TM2D2;TM2D2
cg11310299	TRUE	0e+00	0.0e+00	
cg25060468	TRUE	0e+00	0.0e+00	C17orf81;DULLARD;C17orf81;C17orf81;C17orf81;C17orf81;DULLARD
cg04901121	TRUE	0e+00	0.0e+00	
cg18592174	TRUE	0e+00	0.0e+00	SLC18A3;CHAT
cg09914742	TRUE	0e+00	0.0e+00	
cg05684015	TRUE	0e+00	0.0e+00	DR1;DR1
cg05610632	TRUE	0e+00	0.0e+00	WDR7;WDR7
cg05357320	TRUE	0e+00	0.0e+00	ZNF317
cg18731202	TRUE	0e+00	0.0e+00	TGFA;TGFA
cg05607246	TRUE	0e+00	0.0e+00	CITED2;CITED2;CITED2;CITED2
cg09932345	TRUE	0e+00	0.0e+00	NADK
cg02228635	TRUE	0e+00	0.0e+00	RPL5
cg11543665	TRUE	0e+00	0.0e+00	CD320;CD320
cg02759489	TRUE	0e+00	0.0e+00	PDGFRA
cg25110245	TRUE	0e+00	0.0e+00	INPP1;INPP1
cg23174760	TRUE	0e+00	0.0e+00	
cg21240492	TRUE	0e+00	0.0e+00	EIF4A1;EIF4A1
cg01629940	TRUE	0e+00	0.0e+00	TRADD
cg24958765	TRUE	0e+00	0.0e+00	RAB4B
cg22350160	TRUE	0e+00	0.0e+00	AKR1A1;AKR1A1;AKR1A1;AKR1A1
cg02750935	TRUE	0e+00	0.0e+00	PRELID2;PRELID2;PRELID2
cg05637266	TRUE	0e+00	0.0e+00	ZNF799
cg14957497	TRUE	0e+00	0.0e+00	PDSS2
cg02953125	TRUE	0e+00	0.0e+00	SNTG2
cg01520105	TRUE	0e+00	0.0e+00	TRAF3IP2;TRAF3IP2;TRAF3IP2;TRAF3IP2;TRAF3IP2
cg19116718	TRUE	0e+00	0.0e+00	
cg03053875	TRUE	0e+00	0.0e+00	
cg06422693	TRUE	0e+00	0.0e+00	OCIAD1;OCIAD1;OCIAD1;OCIAD1;OCIAD1;OCIAD1
cg09851951	TRUE	0e+00	0.0e+00	
cg25495613	TRUE	0e+00	0.0e+00	WDR91

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg20808462	TRUE	0e+00	0.0e+00	HAUS3
cg21497607	TRUE	0e+00	0.0e+00	MTHFD2;MTHFD2
cg09354348	TRUE	0e+00	0.0e+00	WDR81;WDR81
cg17598997	TRUE	0e+00	0.0e+00	ZSWIM5
cg00101895	TRUE	0e+00	0.0e+00	SEC63
cg26268866	TRUE	0e+00	0.0e+00	
cg19743759	TRUE	0e+00	0.0e+00	VCP
cg17180977	TRUE	0e+00	0.0e+00	WNT9A
cg21482837	TRUE	0e+00	0.0e+00	ELMOD3;ELMOD3;ELMOD3;ELMOD3;RETSAT
cg03803211	TRUE	0e+00	0.0e+00	PCBP1
cg25189564	TRUE	0e+00	0.0e+00	VIPR2
cg26229618	TRUE	0e+00	0.0e+00	KCNMB2
cg02378189	TRUE	0e+00	0.0e+00	
cg20025072	TRUE	0e+00	0.0e+00	METTL10
cg13503564	TRUE	0e+00	0.0e+00	
cg04223844	TRUE	0e+00	0.0e+00	IKBKB;IKBKB
cg04461228	TRUE	0e+00	0.0e+00	FLJ42709;FLJ42709;FLJ42709
cg24356797	TRUE	0e+00	0.0e+00	UBA52;UBA52
cg12551813	TRUE	0e+00	0.0e+00	CAMSAP1L1
cg07377675	TRUE	0e+00	0.0e+00	USP1;USP1;USP1
cg15229124	TRUE	0e+00	0.0e+00	RBP1;RBP1;RBP1
cg12300498	TRUE	0e+00	0.0e+00	RNF165
cg12531328	TRUE	0e+00	0.0e+00	USPL1;USPL1
cg09698634	TRUE	0e+00	0.0e+00	POTED
cg13799898	TRUE	0e+00	0.0e+00	VAV2;VAV2
cg15463457	TRUE	0e+00	0.0e+00	MMRN1
cg19052128	TRUE	0e+00	0.0e+00	
cg17362434	TRUE	0e+00	0.0e+00	
cg23797073	TRUE	0e+00	0.0e+00	DTNBP1;DTNBP1;DTNBP1
cg12444340	TRUE	0e+00	0.0e+00	RBM5;RBM5
cg04347624	TRUE	0e+00	0.0e+00	FAM55C;FAM55C;FAM55C
cg07399369	TRUE	0e+00	0.0e+00	CHST2
cg03031660	TRUE	0e+00	0.0e+00	MRPS7;MRPS7;GGA3;GGA3
cg04533248	TRUE	0e+00	0.0e+00	BCAS3;BCAS3;BCAS3;BCAS3
cg24568647	TRUE	0e+00	0.0e+00	HNRNPF;HNRNPF;HNRNPF;HNRNPF
cg04798930	TRUE	0e+00	0.0e+00	STRN
cg01673994	TRUE	0e+00	0.0e+00	MMP16;MMP16
cg17959324	TRUE	0e+00	0.0e+00	GSK3A
cg14397361	TRUE	0e+00	0.0e+00	COBRA1
cg15875120	TRUE	0e+00	0.0e+00	FAM188A
cg16632994	TRUE	0e+00	0.0e+00	UBLCP1;UBLCP1
cg10445487	TRUE	0e+00	0.0e+00	GABARAPL2
cg06825383	TRUE	0e+00	0.0e+00	KIAA0415
cg06557618	TRUE	0e+00	0.0e+00	
cg24170511	TRUE	0e+00	0.0e+00	LRP10;LRP10
cg07303308	TRUE	0e+00	0.0e+00	LOC286016;TNPO3;TNPO3
cg14276619	TRUE	0e+00	0.0e+00	HRK
cg14957718	TRUE	0e+00	0.0e+00	SLC38A3
cg09918605	TRUE	0e+00	0.0e+00	ZNF514
cg11348994	TRUE	0e+00	0.0e+00	PCSK1
cg18281743	TRUE	0e+00	0.0e+00	STC2;STC2
cg17593391	TRUE	0e+00	0.0e+00	RRAGC

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg20173334	TRUE	0e+00	0.0e+00	THAP1;THAP1
cg01226447	TRUE	0e+00	0.0e+00	CLDND2;ETFB
cg20427059	TRUE	0e+00	0.0e+00	FAM168B
cg26278370	TRUE	0e+00	0.0e+00	RBM5
cg11256279	TRUE	0e+00	0.0e+00	C7orf23
cg04819775	TRUE	0e+00	0.0e+00	LOC645323;LOC645323
cg10205287	TRUE	0e+00	0.0e+00	MAPKSP1;MAPKSP1;MAPKSP1
cg02853850	TRUE	0e+00	0.0e+00	
cg10113081	TRUE	0e+00	0.0e+00	UBXN8
cg14460968	TRUE	0e+00	0.0e+00	LMAN1
cg08161617	TRUE	0e+00	0.0e+00	HSPA2
cg18333807	TRUE	0e+00	0.0e+00	GSK3A
cg27632677	TRUE	0e+00	0.0e+00	RPL23AP7;RPL23AP7;RPL23AP7;RABL2A;RABL2A;RPL23AP7;RPL23AP7
cg00123486	TRUE	0e+00	0.0e+00	
cg26258631	TRUE	0e+00	0.0e+00	PMS1;ORMDL1;ORMDL1;PMS1;PMS1
cg19365615	TRUE	0e+00	0.0e+00	NQO2
cg15802848	TRUE	0e+00	0.0e+00	KIFC1;KIFC1
cg04903936	TRUE	0e+00	0.0e+00	E2F8
cg08483425	TRUE	0e+00	0.0e+00	SRP14
cg08553999	TRUE	0e+00	0.0e+00	MAF;MAF
cg08125972	TRUE	0e+00	0.0e+00	ZNF565;ZNF146;ZNF146;ZNF565;ZNF146
cg17838734	TRUE	0e+00	0.0e+00	TPBG;TPBG
cg01089095	TRUE	0e+00	0.0e+00	CHCHD1
cg06531800	TRUE	0e+00	0.0e+00	TMEM184C
cg17626178	TRUE	0e+00	0.0e+00	PARD3B;PARD3B;PARD3B
cg10423052	TRUE	0e+00	0.0e+00	
cg17591343	TRUE	0e+00	0.0e+00	TMED5;CCDC18;TMED5;TMED5;CCDC18;TMED5;TMED5
cg23722204	TRUE	0e+00	0.0e+00	
cg09260158	TRUE	0e+00	0.0e+00	PPCS;ZMYND12;ZMYND12;PPCS;ZMYND12;ZMYND12
cg09863630	TRUE	0e+00	0.0e+00	MEIS2;MEIS2;MEIS2;MEIS2;MEIS2;MEIS2;MEIS2
cg13416901	TRUE	0e+00	0.0e+00	RALGDS
cg26633120	TRUE	0e+00	0.0e+00	MRPS9
cg15408407	TRUE	0e+00	0.0e+00	RPS15
cg12774432	TRUE	0e+00	0.0e+00	SSBP1;FLJ40852
cg11226480	TRUE	0e+00	0.0e+00	LETMD1;LETMD1
cg01156834	TRUE	0e+00	0.0e+00	SRCIN1
cg05231509	TRUE	0e+00	0.0e+00	ATM;NPAT
cg01333619	TRUE	0e+00	0.0e+00	NCAPD3;VPS26B;NCAPD3
cg01013600	TRUE	0e+00	0.0e+00	DBP;SEC1
cg17494897	TRUE	0e+00	0.0e+00	TSSC1
cg23069677	TRUE	0e+00	0.0e+00	LSM10
cg08554462	TRUE	0e+00	0.0e+00	BCL2;BCL2
cg16085531	TRUE	0e+00	0.0e+00	
cg08098619	TRUE	0e+00	0.0e+00	PGAP2;NUP98;PGAP2;NUP98;NUP98;NUP98;PGAP2;NUP98;PGAP2;
cg14930075	TRUE	0e+00	0.0e+00	KCNK9
cg26097011	TRUE	0e+00	0.0e+00	FGF14
cg27463953	TRUE	0e+00	0.0e+00	ATR;ATR
cg26064794	TRUE	0e+00	0.0e+00	PIK3C2B
cg26278858	TRUE	0e+00	0.0e+00	BMF
cg17887537	TRUE	0e+00	0.0e+00	RRAGA
cg02094388	TRUE	0e+00	0.0e+00	YME1L1;YME1L1;YME1L1;MASTL;YME1L1
cg21647833	TRUE	0e+00	0.0e+00	TRIM37;TRIM37

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg07195126	TRUE	0e+00	0.0e+00	VANGL2
cg14608318	TRUE	0e+00	0.0e+00	ANKLE1
cg14532069	TRUE	0e+00	0.0e+00	TNFRSF11A
cg14735242	TRUE	0e+00	0.0e+00	PELI1
cg06776953	TRUE	0e+00	0.0e+00	HIST2H2AB;HIST2H2BE
cg12460105	TRUE	0e+00	0.0e+00	RAD17;RAD17;TAF9;TAF9;RAD17;TAF9;RAD17;RAD17;TAF9;RAD17
cg14472148	TRUE	0e+00	0.0e+00	NDUFB6;NDUFB6
cg22525581	TRUE	0e+00	0.0e+00	HOXC4
cg04381122	TRUE	0e+00	0.0e+00	DAAM1
cg08610415	TRUE	0e+00	0.0e+00	ZNF573
cg00129731	TRUE	0e+00	0.0e+00	FAM46A
cg19839655	TRUE	0e+00	0.0e+00	CD40;CD40
cg27201871	TRUE	0e+00	0.0e+00	C17orf56;C17orf89
cg15588215	TRUE	0e+00	0.0e+00	
cg14243323	TRUE	0e+00	0.0e+00	TFAM
cg18996099	TRUE	0e+00	0.0e+00	RPGRIP1
cg25632648	TRUE	0e+00	0.0e+00	KCTD21;USP35
cg02571636	TRUE	0e+00	0.0e+00	
cg14645526	TRUE	0e+00	0.0e+00	
cg22692488	TRUE	0e+00	0.0e+00	TCF19;TCF19
cg01166399	TRUE	0e+00	0.0e+00	FAM184A;FAM184A
cg01293313	TRUE	0e+00	0.0e+00	CLASP1;CLASP1;CLASP1
cg12030298	TRUE	0e+00	0.0e+00	
cg03516836	TRUE	0e+00	0.0e+00	MARS
cg13915212	TRUE	0e+00	0.0e+00	FSCN1
cg22344611	TRUE	0e+00	0.0e+00	MYOD1
cg20601096	TRUE	0e+00	0.0e+00	KIAA1409;KIAA1409;BTBD7;BTBD7
cg02522757	TRUE	0e+00	0.0e+00	VDR;VDR
cg27195001	TRUE	0e+00	0.0e+00	
cg08973927	TRUE	0e+00	0.0e+00	ATP6V0D1
cg10936323	TRUE	0e+00	0.0e+00	NDUFAF2;ERCC8;ERCC8
cg19859486	TRUE	0e+00	0.0e+00	SACM1L
cg18496317	TRUE	0e+00	0.0e+00	PRIC285
cg24400517	TRUE	0e+00	0.0e+00	LOC100134229;JHDM1D
cg20461998	TRUE	0e+00	0.0e+00	IER3IP1
cg05515143	TRUE	0e+00	0.0e+00	EDAR
cg18424064	TRUE	0e+00	0.0e+00	ZNF438;ZNF438;ZNF438;ZNF438;ZNF438;ZNF438;ZNF438
cg00795915	TRUE	0e+00	0.0e+00	BDP1
cg01733217	TRUE	0e+00	0.0e+00	RFWD3;RFWD3
cg06885750	TRUE	0e+00	0.0e+00	NOP58;NOP58
cg08525207	TRUE	0e+00	0.0e+00	RPS7
cg25335775	TRUE	0e+00	0.0e+00	MRPS14
cg27074995	TRUE	0e+00	0.0e+00	JAK3
cg01254739	TRUE	0e+00	0.0e+00	BAT5
cg22454603	TRUE	0e+00	0.0e+00	IFNAR2;IFNAR2;IFNAR2
cg15775138	TRUE	0e+00	0.0e+00	
cg10541361	TRUE	0e+00	0.0e+00	B3GALNT2
cg10460130	TRUE	0e+00	0.0e+00	DTYMK;DTYMK;DTYMK
cg03801946	TRUE	0e+00	0.0e+00	
cg13196826	TRUE	0e+00	0.0e+00	SLIT1;SLIT1
cg14416559	TRUE	0e+00	0.0e+00	CABYR;CABYR;CABYR;CABYR;CABYR;CABYR
cg11480962	TRUE	0e+00	0.0e+00	

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg09999441	TRUE	0e+00	0.0e+00	CATSPERG;CATSPERG
cg13023681	TRUE	0e+00	0.0e+00	HPCAL1;HPCAL1
cg00498155	TRUE	0e+00	0.0e+00	ZNF461
cg06225589	TRUE	0e+00	0.0e+00	GNG13
cg18418962	TRUE	0e+00	0.0e+00	METTL4;NDC80;NDC80
cg05043349	TRUE	0e+00	0.0e+00	
cg11825926	TRUE	0e+00	0.0e+00	
cg08108155	TRUE	0e+00	0.0e+00	NF2;NF2;NF2;NF2;NF2;NF2;NF2;NF2
cg06583108	TRUE	0e+00	0.0e+00	TSPAN19;TSPAN19;LRRIQ1;LRRIQ1
cg11761572	TRUE	0e+00	0.0e+00	SIRT2;NFKBIB;SIRT2;NFKBIB
cg05191792	TRUE	0e+00	0.0e+00	WRNIP1;WRNIP1
cg19419054	TRUE	0e+00	0.0e+00	DAAM2
cg24258191	TRUE	0e+00	0.0e+00	ABCE1;ANAPC10;ABCE1
cg06033368	TRUE	0e+00	0.0e+00	MAFF;MAFF;MAFF;MAFF
cg08463485	TRUE	0e+00	0.0e+00	ILDR1;ILDR1
cg15106030	TRUE	0e+00	0.0e+00	
cg18762036	TRUE	0e+00	0.0e+00	
cg01109464	TRUE	0e+00	0.0e+00	
cg23472502	TRUE	0e+00	0.0e+00	TRERF1
cg11072498	TRUE	0e+00	0.0e+00	CD8A
cg01049274	TRUE	0e+00	0.0e+00	ZNF252;C8orf77
cg08967200	TRUE	0e+00	0.0e+00	KIF18A;KIF18A;METT5D1;METT5D1
cg23792258	TRUE	0e+00	0.0e+00	KIF13A;KIF13A;KIF13A;KIF13A
cg15908367	TRUE	0e+00	0.0e+00	TSC22D4
cg04834794	TRUE	0e+00	0.0e+00	
cg20795117	TRUE	0e+00	0.0e+00	SCAMP3;SCAMP3
cg02711849	TRUE	0e+00	0.0e+00	
cg00940809	TRUE	0e+00	0.0e+00	NDUFV3;NDUFV3
cg23515496	TRUE	0e+00	0.0e+00	FAM84B
cg04858536	TRUE	0e+00	0.0e+00	CACNA1E
cg13277160	TRUE	0e+00	0.0e+00	FAM119A;FAM119A
cg14102272	TRUE	0e+00	0.0e+00	CLK1;CLK1;CLK1;CLK1;CLK1
cg13683864	TRUE	0e+00	0.0e+00	RPL14;RPL14
cg02429674	TRUE	0e+00	0.0e+00	GNA13
cg04671329	TRUE	0e+00	0.0e+00	SH3PXD2A
cg17903246	TRUE	0e+00	0.0e+00	NIT2
cg12293275	TRUE	0e+00	0.0e+00	KDM4A
cg27340001	TRUE	0e+00	0.0e+00	TP53BP1;TP53BP1;TP53BP1
cg24751836	TRUE	0e+00	0.0e+00	UNC45A;HDDC3
cg14256180	TRUE	0e+00	0.0e+00	FAM161B;COQ6;COQ6
cg11786255	TRUE	0e+00	0.0e+00	
cg06392442	TRUE	0e+00	0.0e+00	
cg14212634	TRUE	0e+00	0.0e+00	ITPA;ITPA
cg10130401	TRUE	0e+00	0.0e+00	ATP5G1;ATP5G1
cg08721831	TRUE	0e+00	0.0e+00	RSRC2;RSRC2;RSRC2;RSRC2;KNTC1;RSRC2;RSRC2
cg06627361	TRUE	0e+00	0.0e+00	KDM5A;KDM5A;KDM5A;CCDC77;CCDC77;KDM5A
cg06791151	TRUE	0e+00	0.0e+00	EPM2AIP1;MLH1;MLH1;MLH1;MLH1;MLH1
cg19824710	TRUE	0e+00	0.0e+00	PTPRF;PTPRF
cg14995785	TRUE	0e+00	0.0e+00	LMAN2
cg08342270	TRUE	0e+00	0.0e+00	TLE3;TLE3;TLE3
cg11841349	TRUE	0e+00	0.0e+00	OGG1;OGG1;OGG1;OGG1;OGG1;OGG1;OGG1
cg08979319	TRUE	0e+00	0.0e+00	SIM1



CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg10854474	TRUE	0e+00	0.0e+00	ANKRD28
cg13506510	TRUE	0e+00	0.0e+00	HSDL2
cg15309418	TRUE	0e+00	0.0e+00	UCRC;ZMAT5;UCRC;ZMAT5
cg10234776	TRUE	0e+00	0.0e+00	NRBF2
cg07364526	TRUE	0e+00	0.0e+00	
cg09620331	TRUE	0e+00	0.0e+00	CENPH
cg15067401	TRUE	0e+00	0.0e+00	TMTC3;CEP290
cg20632873	TRUE	0e+00	0.0e+00	ARHGEF2;ARHGEF2;ARHGEF2
cg23639922	TRUE	0e+00	0.0e+00	PPRC1
cg01847380	TRUE	0e+00	0.0e+00	MYCL1;MYCL1;MYCL1
cg16190018	TRUE	0e+00	0.0e+00	GSR
cg03486540	TRUE	0e+00	0.0e+00	ZNF224
cg10313675	TRUE	0e+00	0.0e+00	C1orf74;C1orf74
cg05386493	TRUE	0e+00	0.0e+00	FOXL2;C3orf72;FOXL2
cg16193765	TRUE	0e+00	0.0e+00	PWP2
cg27530058	TRUE	0e+00	0.0e+00	TIMM22
cg08329655	TRUE	0e+00	0.0e+00	PPFIBP2
cg13347257	TRUE	0e+00	0.0e+00	LHFPL4
cg11726572	TRUE	0e+00	0.0e+00	TYMS;C18orf56
cg16448126	TRUE	0e+00	0.0e+00	RILPL2
cg20940459	TRUE	0e+00	0.0e+00	CENPL;DARS2;DARS2;CENPL;CENPL
cg24040570	TRUE	0e+00	0.0e+00	ATP8B2;AQP10
cg10392378	TRUE	0e+00	0.0e+00	LYRM2;LYRM2;LYRM2;LYRM2
cg13717023	TRUE	0e+00	0.0e+00	ARL15
cg00345965	TRUE	0e+00	0.0e+00	PSMD4
cg05175020	TRUE	0e+00	0.0e+00	TSC22D4
cg18530512	TRUE	0e+00	0.0e+00	
cg14849431	TRUE	0e+00	0.0e+00	HLA-E
cg04406910	TRUE	0e+00	0.0e+00	SKIV2L;SKIV2L;RDBP
cg22479546	TRUE	0e+00	0.0e+00	LASS5
cg27417846	TRUE	0e+00	0.0e+00	EIF2AK3
cg09440289	TRUE	0e+00	0.0e+00	PTPRO;PTPRO
cg01815671	TRUE	0e+00	0.0e+00	CCDC37
cg00296291	TRUE	0e+00	0.0e+00	PHF17;PHF17
cg10106091	TRUE	0e+00	0.0e+00	C12orf49;RNFT2;RNFT2
cg04226364	TRUE	0e+00	0.0e+00	MYST2
cg19335095	TRUE	0e+00	0.0e+00	CCNE2
cg08095437	TRUE	0e+00	0.0e+00	C2orf80
cg14671453	TRUE	0e+00	0.0e+00	STX4
cg04949346	TRUE	0e+00	0.0e+00	SPC25
cg27659049	TRUE	0e+00	0.0e+00	
cg11980090	TRUE	0e+00	0.0e+00	TRIM26
cg07416344	TRUE	0e+00	0.0e+00	RASA3
cg20563098	TRUE	0e+00	0.0e+00	NRBF2
cg17696166	TRUE	0e+00	0.0e+00	CCDC49
cg05248321	TRUE	0e+00	0.0e+00	KLHL33
cg12598089	TRUE	0e+00	0.0e+00	KCNAB1;KCNAB1;KCNAB1
cg06996869	TRUE	0e+00	0.0e+00	C11orf54;TAF1D
cg19924714	TRUE	0e+00	0.0e+00	DAAM1
cg22409854	TRUE	0e+00	0.0e+00	
cg25084477	TRUE	0e+00	0.0e+00	NAA30
cg01638809	TRUE	0e+00	0.0e+00	TMEM43;CHCHD4;CHCHD4;TMEM43

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg21051046	TRUE	0e+00	0.0e+00	
cg00022308	TRUE	0e+00	0.0e+00	CCDC121;CCDC121;GPN1;CCDC121;GPN1;GPN1;GPN1;CCDC121;GPN1
cg01082862	TRUE	0e+00	0.0e+00	ZMYM5;ZMYM5;ZMYM5
cg27024417	TRUE	0e+00	0.0e+00	TXLNA
cg16127349	TRUE	0e+00	0.0e+00	PBX1
cg07990939	TRUE	0e+00	0.0e+00	TMTC3;CEP290
cg03399398	TRUE	0e+00	0.0e+00	KCTD18
cg22965663	TRUE	0e+00	0.0e+00	POMT2;GSTZ1;GSTZ1;GSTZ1;GSTZ1;GSTZ1
cg05035143	TRUE	0e+00	0.0e+00	DNAJC15
cg02510299	TRUE	0e+00	0.0e+00	MTBP;MRPL13;MRPL13
cg13138155	TRUE	0e+00	0.0e+00	GFI1;GFI1;GFI1
cg27597069	TRUE	0e+00	0.0e+00	RNF8;RNF8;RNF8;RNF8
cg24779145	TRUE	0e+00	0.0e+00	EID2;EID2
cg08364767	TRUE	0e+00	0.0e+00	GPR176
cg20099147	TRUE	0e+00	0.0e+00	ZNF444
cg09238957	TRUE	0e+00	0.0e+00	ORC6L;VPS35
cg00347862	TRUE	0e+00	0.0e+00	LRRC49;THAP10
cg14218844	TRUE	0e+00	0.0e+00	LOC390858
cg26812503	TRUE	0e+00	0.0e+00	KARS;KARS;TERF2IP;KARS
cg14473597	TRUE	0e+00	0.0e+00	PAOX;PAOX;PAOX
cg22389375	TRUE	0e+00	0.0e+00	KCNQ1DN
cg15238008	TRUE	0e+00	0.0e+00	DDX12
cg09742170	TRUE	0e+00	0.0e+00	OSBPL3;OSBPL3;OSBPL3;OSBPL3
cg03223734	TRUE	0e+00	0.0e+00	C20orf26
cg10959933	TRUE	0e+00	0.0e+00	C15orf39
cg10912077	TRUE	0e+00	0.0e+00	LMO4
cg09952946	TRUE	0e+00	0.0e+00	BATF3
cg10290764	TRUE	0e+00	0.0e+00	CSMD1
cg18916055	TRUE	0e+00	0.0e+00	ST6GALNAC2
cg15770553	TRUE	0e+00	0.0e+00	
cg09554789	TRUE	0e+00	0.0e+00	PNPLA6;PNPLA6;PNPLA6;PNPLA6
cg09691861	TRUE	0e+00	0.0e+00	SEPT11
cg15580052	TRUE	0e+00	0.0e+00	B4GALNT3
cg21108767	TRUE	0e+00	0.0e+00	PILRB;PMS2L1;PILRB
cg17221980	TRUE	0e+00	0.0e+00	NUS1
cg19076513	TRUE	0e+00	0.0e+00	COPG
cg22662362	TRUE	0e+00	0.0e+00	SFRS18;SFRS18
cg26693760	TRUE	0e+00	0.0e+00	RGL2;RGL2;RGL2
cg24020215	TRUE	0e+00	0.0e+00	NRXN3;NRXN3;NRXN3
cg26960647	TRUE	0e+00	0.0e+00	TNFAIP3
cg03639675	TRUE	0e+00	0.0e+00	ORC6L;VPS35
cg09100343	TRUE	0e+00	0.0e+00	CPNE2
cg01724336	TRUE	0e+00	0.0e+00	WDR77;ATP5F1;ATP5F1
cg13137533	TRUE	0e+00	0.0e+00	MAPT;MAPT;LOC100128977;LOC100130148;MAPT;MAPT;MAPT;MAPT
cg06012509	TRUE	0e+00	0.0e+00	KLC4;KLC4;KLC4;MRPL2;KLC4
cg18745406	TRUE	0e+00	0.0e+00	NDRG1;NDRG1
cg23526055	TRUE	0e+00	0.0e+00	TCEB1
cg06734812	TRUE	0e+00	0.0e+00	BRUNOL5
cg11974096	TRUE	0e+00	0.0e+00	EFHD1
cg04836154	TRUE	0e+00	0.0e+00	C11orf83;C11orf48
cg04294412	TRUE	0e+00	0.0e+00	CCDC96;TADA2B
cg04119852	TRUE	0e+00	0.0e+00	LAMP3

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg26376168	TRUE	0e+00	0.0e+00	IER3
cg05603623	TRUE	0e+00	0.0e+00	TIMM44
cg25409040	TRUE	0e+00	0.0e+00	CSTF3;CSTF3;CSTF3
cg26375147	TRUE	0e+00	0.0e+00	PRPF19
cg09307530	TRUE	0e+00	0.0e+00	
cg22813744	TRUE	0e+00	0.0e+00	KCTD21;USP35
cg13347679	TRUE	0e+00	0.0e+00	BRPF1;BRPF1
cg02150526	TRUE	0e+00	0.0e+00	PSMD3
cg02627531	TRUE	0e+00	0.0e+00	ZNF880
cg26345971	TRUE	0e+00	0.0e+00	TSPAN19;LRRIQ1;LRRIQ1
cg10409680	TRUE	0e+00	0.0e+00	HLA-C
cg18275589	TRUE	0e+00	0.0e+00	
cg24759658	TRUE	0e+00	0.0e+00	TBC1D15;TBC1D15;TBC1D15;TBC1D15
cg00557947	TRUE	0e+00	0.0e+00	
cg08509237	TRUE	0e+00	0.0e+00	PPT2;PPT2;PPT2
cg18296227	TRUE	0e+00	0.0e+00	ZDHHC16;ZDHHC16;EXOSC1;ZDHHC16;ZDHHC16;ZDHHC16
cg25261764	TRUE	0e+00	0.0e+00	NARS;NARS
cg19613432	TRUE	0e+00	0.0e+00	EN1
cg08568987	TRUE	0e+00	0.0e+00	U2AF2;U2AF2
cg00477061	TRUE	0e+00	0.0e+00	C1orf22
cg11948381	TRUE	0e+00	0.0e+00	CUGBP1
cg24878887	TRUE	0e+00	0.0e+00	
cg05252927	TRUE	0e+00	0.0e+00	PIRT
cg13561879	TRUE	0e+00	0.0e+00	UNC5D
cg04977109	TRUE	0e+00	0.0e+00	NFE2L1
cg04681849	TRUE	0e+00	0.0e+00	PDGFRL
cg15528490	TRUE	0e+00	0.0e+00	C1orf124;C1orf124;EXOC8
cg22166914	TRUE	0e+00	0.0e+00	ZYG11B
cg27505880	TRUE	0e+00	0.0e+00	COX15;CUTC;COX15
cg09643544	TRUE	0e+00	0.0e+00	ZNF177;ZNF177
cg16228804	TRUE	0e+00	0.0e+00	PKN2;PKN2
cg12399453	TRUE	0e+00	0.0e+00	TMEM222
cg02328239	TRUE	0e+00	0.0e+00	GDNF
cg07076509	TRUE	0e+00	0.0e+00	
cg23361901	TRUE	0e+00	0.0e+00	
cg16799897	TRUE	0e+00	0.0e+00	
cg17438055	TRUE	0e+00	0.0e+00	COX7A2;COX7A2
cg04290171	TRUE	0e+00	0.0e+00	CD46;CD46;CD46;CD46;CD46;CD46;CD46;CD46;CD46;CD46;CD46
cg21520507	TRUE	0e+00	0.0e+00	ARL1;ARL1
cg09754948	TRUE	0e+00	0.0e+00	ATXN2L;ATXN2L;ATXN2L;ATXN2L;ATXN2L
cg15888097	TRUE	0e+00	0.0e+00	HTR1E
cg01782320	TRUE	0e+00	0.0e+00	YME1L1;YME1L1;MASTL
cg26324132	TRUE	0e+00	0.0e+00	THBD
cg07690219	TRUE	0e+00	0.0e+00	TCTA;RHOA
cg04790749	TRUE	0e+00	0.0e+00	MMP28;MMP28
cg09784847	TRUE	0e+00	0.0e+00	MOGS;MOGS
cg24456002	TRUE	0e+00	0.0e+00	
cg05193211	TRUE	0e+00	0.0e+00	ZFAND1;ZFAND1;ZFAND1;ZFAND1;ZFAND1;ZFAND1;ZFAND1
cg08215925	TRUE	0e+00	0.0e+00	FOXP1;FOXP1
cg19496491	TRUE	0e+00	0.0e+00	TEAD1
cg15566619	TRUE	0e+00	0.0e+00	ZSWIM3;ACOT8
cg00098718	TRUE	0e+00	0.0e+00	KIAA1199

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg06920136	TRUE	0e+00	0.0e+00	RAB2B;TOX4;RAB2B;RAB2B
cg24927890	TRUE	0e+00	0.0e+00	SYNPO
cg22792272	TRUE	0e+00	0.0e+00	MAD2L1BP;GTPBP2
cg16577123	TRUE	0e+00	0.0e+00	NDUFA2;NDUFA2;IK
cg02058628	TRUE	0e+00	0.0e+00	SKI
cg17328806	TRUE	0e+00	0.0e+00	COX11;COX11;COX11;COX11;STXBP4;COX11
cg16911342	TRUE	0e+00	0.0e+00	BAD;GPR137;GPR137;BAD;GPR137;GPR137
cg24191463	TRUE	0e+00	0.0e+00	OTX2OS1
cg16043357	TRUE	0e+00	0.0e+00	VAX1;VAX1
cg02626129	TRUE	0e+00	0.0e+00	C13orf33;C13orf33
cg04548327	TRUE	0e+00	0.0e+00	
cg12091642	TRUE	0e+00	0.0e+00	
cg23945333	TRUE	0e+00	0.0e+00	COL11A2;COL11A2;COL11A2
cg12323089	TRUE	0e+00	0.0e+00	MRPL46;MRPS11;MRPS11
cg00949386	TRUE	0e+00	0.0e+00	WNT7B
cg09100988	TRUE	0e+00	0.0e+00	PC;PC
cg23572376	TRUE	0e+00	0.0e+00	FOXC1
cg02093647	TRUE	0e+00	0.0e+00	ACVR2A
cg21761776	TRUE	0e+00	0.0e+00	DTX4
cg13303229	TRUE	0e+00	0.0e+00	LARP1;LARP1
cg19137806	TRUE	0e+00	0.0e+00	INPP5A
cg11823654	TRUE	0e+00	0.0e+00	PIF1
cg18455759	TRUE	0e+00	0.0e+00	TRIB1
cg23929674	TRUE	0e+00	0.0e+00	PRIMA1
cg07017994	TRUE	0e+00	0.0e+00	EPHB6;EPHB6
cg02771142	TRUE	0e+00	0.0e+00	PAX6;PAX6;PAX6
cg00261942	TRUE	0e+00	0.0e+00	ATP5L
cg14843842	TRUE	0e+00	0.0e+00	MED20;BYSL
cg07842594	TRUE	0e+00	0.0e+00	BMS1;BMS1
cg20488757	TRUE	0e+00	0.0e+00	C11orf58;C11orf58
cg26759552	TRUE	0e+00	0.0e+00	LOC100134229;JHDM1D
cg02166313	TRUE	0e+00	0.0e+00	PAPOLA
cg23333420	TRUE	0e+00	0.0e+00	OBFC1
cg16435561	TRUE	0e+00	0.0e+00	RFX8
cg01408932	TRUE	0e+00	0.0e+00	PPIL2;PPIL2;PPIL2
cg12648074	TRUE	0e+00	0.0e+00	PCDHGA4;PCDHGC3;PCDHGA12;PCDHGC4;PCDHGA11;PCDHGA1
cg19567052	TRUE	0e+00	0.0e+00	CHD7
cg04865575	TRUE	0e+00	0.0e+00	YME1L1;MASTL;YME1L1
cg22605348	TRUE	0e+00	0.0e+00	TGDS
cg24441068	TRUE	0e+00	0.0e+00	EIF3M
cg03032798	TRUE	0e+00	0.0e+00	
cg00786305	TRUE	0e+00	0.0e+00	
cg01345315	TRUE	0e+00	0.0e+00	ADAMTS20
cg25034908	TRUE	0e+00	0.0e+00	ATG16L2
cg13569575	TRUE	0e+00	0.0e+00	CABP1;CABP1;CABP1
cg04122974	TRUE	0e+00	0.0e+00	ATF4;ATF4
cg03332970	TRUE	0e+00	0.0e+00	ESAM
cg14242042	TRUE	0e+00	0.0e+00	SOX5
cg04049556	TRUE	0e+00	0.0e+00	MPHOSPH10;MPHOSPH10;MCEE
cg01534423	TRUE	0e+00	0.0e+00	
cg19447671	TRUE	0e+00	0.0e+00	ATF2;MIR933
cg09692677	FALSE	0e+00	0.0e+00	PHF20

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg02277453	TRUE	0e+00	0.0e+00	INSC;INSC
cg20762290	TRUE	0e+00	0.0e+00	NFE2L1
cg18326578	TRUE	0e+00	0.0e+00	C19orf51
cg15128470	TRUE	0e+00	0.0e+00	LIAS;RPL9;LIAS;RPL9
cg05479194	TRUE	0e+00	0.0e+00	WRAP53;TP53;WRAP53;TP53;WRAP53;TP53;TP53;WRAP53;WRAP53
cg15621874	TRUE	0e+00	0.0e+00	VNN2
cg09888156	TRUE	0e+00	0.0e+00	NAA15
cg12100751	TRUE	0e+00	0.0e+00	C1orf59;C1orf59;C1orf59
cg11787160	TRUE	0e+00	0.0e+00	DTX1
cg19466178	TRUE	0e+00	0.0e+00	DEDD2;DEDD2
cg06386307	TRUE	0e+00	0.0e+00	SIM1
cg10502884	TRUE	0e+00	0.0e+00	
cg15228492	TRUE	0e+00	0.0e+00	YEATS2
cg23361092	TRUE	0e+00	0.0e+00	
cg16190888	TRUE	0e+00	0.0e+00	ANTXR1
cg04575467	TRUE	0e+00	0.0e+00	
cg12867068	TRUE	0e+00	0.0e+00	CDKL1
cg08750504	TRUE	0e+00	0.0e+00	
cg09467607	TRUE	0e+00	0.0e+00	FEZ2;FEZ2
cg17360233	TRUE	0e+00	0.0e+00	
cg20587336	TRUE	0e+00	0.0e+00	ARMC1
cg02018802	TRUE	0e+00	0.0e+00	GMPPA;GMPPA
cg04913657	TRUE	0e+00	0.0e+00	C16orf87
cg10663973	TRUE	0e+00	0.0e+00	MRFAP1;MRFAP1
cg20848216	TRUE	0e+00	0.0e+00	PSMB8;PSMB8
cg24865270	TRUE	0e+00	0.0e+00	
cg12243582	TRUE	0e+00	0.0e+00	ZNF138;ZNF138;ZNF138;ZNF138
cg14225207	TRUE	0e+00	0.0e+00	MTMR4
cg20161645	TRUE	0e+00	0.0e+00	MRPL44
cg20187720	TRUE	0e+00	0.0e+00	TRIB1
cg19312935	TRUE	0e+00	0.0e+00	PPPDE2;XRCC6
cg17738494	TRUE	0e+00	0.0e+00	BRPF1;BRPF1
cg16989148	TRUE	0e+00	0.0e+00	NFE2L1
cg17114257	TRUE	0e+00	0.0e+00	FCHSD2
cg24503272	TRUE	0e+00	0.0e+00	MRPL18;TCP1;TCP1
cg14838017	TRUE	0e+00	0.0e+00	DCAF8;DCAF8;DCAF8;DCAF8;DCAF8
cg14871712	TRUE	0e+00	0.0e+00	INVS;ERP44;INVS
cg16819051	TRUE	0e+00	0.0e+00	
cg09939854	TRUE	0e+00	0.0e+00	GRID1
cg07333191	TRUE	0e+00	0.0e+00	
cg24756528	TRUE	0e+00	0.0e+00	CORO7
cg09861971	FALSE	0e+00	0.0e+00	
cg05203217	TRUE	0e+00	0.0e+00	KCNS1
cg03671660	TRUE	0e+00	0.0e+00	PSMG1;PSMG1
cg06911238	TRUE	0e+00	0.0e+00	FAAH
cg02859443	TRUE	0e+00	0.0e+00	RPGRIP1L;RPGRIP1L;FTO;FTO
cg23248887	TRUE	0e+00	0.0e+00	SSTR1
cg08894790	TRUE	0e+00	0.0e+00	SPCS3
cg07630816	TRUE	0e+00	0.0e+00	
cg09715353	TRUE	0e+00	0.0e+00	TMEM37
cg07975778	TRUE	0e+00	0.0e+00	NID2
cg24423897	TRUE	0e+00	0.0e+00	DPP9

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg23071995	TRUE	0e+00	0.0e+00	PRMT3;PRMT3;PRMT3;PRMT3
cg05647519	TRUE	0e+00	0.0e+00	CDV3;CDV3;CDV3
cg04022019	TRUE	0e+00	0.0e+00	DCAF13;SLC25A32
cg07318088	TRUE	0e+00	0.0e+00	CASP8AP2;CASP8AP2;CASP8AP2
cg25196715	TRUE	0e+00	0.0e+00	ABCA4
cg12216749	TRUE	0e+00	0.0e+00	TCHP;TCHP
cg27479693	TRUE	0e+00	0.0e+00	PEMT
cg10004114	TRUE	0e+00	0.0e+00	CRLF1
cg07888957	TRUE	0e+00	0.0e+00	TBCD
cg09285771	TRUE	0e+00	0.0e+00	PSMA6
cg01601746	TRUE	0e+00	0.0e+00	ZNF549
cg12756396	TRUE	0e+00	0.0e+00	DMRTA2
cg06037631	TRUE	0e+00	0.0e+00	
cg01268824	TRUE	0e+00	0.0e+00	ZNF154
cg22512377	TRUE	0e+00	0.0e+00	C22orf32
cg14130322	TRUE	0e+00	0.0e+00	MLF1IP
cg04854107	TRUE	0e+00	0.0e+00	SPRED1
cg17285393	TRUE	0e+00	0.0e+00	ZNRD1;NCRNA00171;ZNRD1
cg00313685	TRUE	0e+00	0.0e+00	CUX1;CUX1;CUX1
cg17697016	TRUE	0e+00	0.0e+00	
cg26544201	TRUE	0e+00	0.0e+00	
cg21115120	TRUE	0e+00	0.0e+00	THG1L;THG1L
cg24565205	TRUE	0e+00	0.0e+00	INTS4
cg02158978	TRUE	0e+00	0.0e+00	FBRSL1
cg11145772	TRUE	0e+00	0.0e+00	IQSEC1;IQSEC1
cg16384588	TRUE	0e+00	0.0e+00	FGF10
cg08686311	TRUE	0e+00	0.0e+00	FAM110A;FAM110A;FAM110A
cg20660269	TRUE	0e+00	0.0e+00	ADORA2A
cg12552165	TRUE	0e+00	0.0e+00	LAMC2;LAMC2
cg06470552	TRUE	0e+00	0.0e+00	SMC3
cg06955919	TRUE	0e+00	0.0e+00	EBAG9;EBAG9
cg06774797	TRUE	0e+00	0.0e+00	CTGF
cg08623948	TRUE	0e+00	0.0e+00	NUPL2
cg09164559	TRUE	0e+00	0.0e+00	KIAA1279
cg00945234	TRUE	0e+00	0.0e+00	DMRTA2
cg18493069	TRUE	0e+00	0.0e+00	SNX3;SNX3
cg08591893	TRUE	0e+00	0.0e+00	SUMO2;SUMO2
cg12110529	TRUE	0e+00	0.0e+00	
cg21236705	TRUE	0e+00	0.0e+00	
cg20725936	TRUE	0e+00	0.0e+00	FAF2
cg25025968	TRUE	0e+00	0.0e+00	RRM1;RRM1
cg05006755	TRUE	0e+00	0.0e+00	
cg10388442	TRUE	0e+00	0.0e+00	LYRM4;FARS2;LYRM4;LYRM4
cg23664192	TRUE	0e+00	0.0e+00	SNRPC;SNRPC;SNRPC
cg04910183	TRUE	0e+00	0.0e+00	CDC73
cg14550338	TRUE	0e+00	0.0e+00	
cg14773260	TRUE	0e+00	0.0e+00	F2R
cg02748047	TRUE	0e+00	0.0e+00	BTNL2
cg18567174	TRUE	0e+00	0.0e+00	LBXCOR1
cg10037053	TRUE	0e+00	0.0e+00	TRIM26
cg01336162	TRUE	0e+00	0.0e+00	TGFBR3
cg03579942	TRUE	0e+00	0.0e+00	MRPS16

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg15472574	FALSE	0e+00	0.0e+00	YBX1
cg18220284	TRUE	0e+00	0.0e+00	URB2;TAF5L;TAF5L
cg07190450	TRUE	0e+00	0.0e+00	MRPL22;MRPL22
cg08570275	TRUE	0e+00	0.0e+00	P2RY1;P2RY1
cg15773794	TRUE	0e+00	0.0e+00	
cg01887804	TRUE	0e+00	0.0e+00	IVD;IVD
cg01833143	TRUE	0e+00	0.0e+00	RSPO2
cg21352959	TRUE	0e+00	0.0e+00	TEX2
cg00860640	TRUE	0e+00	0.0e+00	PEX11B;GNRHR2
cg10864979	TRUE	0e+00	0.0e+00	PVT1
cg12145907	TRUE	0e+00	0.0e+00	PCDHGA4;PCDHGC3;PCDHGA12;PCDHGA11;PCDHGA11;PCDHGA
cg01490004	TRUE	0e+00	0.0e+00	SLC25A45;SLC25A45
cg05962781	TRUE	0e+00	0.0e+00	TSPAN2
cg25601879	TRUE	0e+00	0.0e+00	
cg12792086	TRUE	0e+00	0.0e+00	CPLX1
cg03758774	TRUE	0e+00	0.0e+00	BRD2;BRD2
cg18610261	TRUE	0e+00	0.0e+00	CDC42EP3
cg09847234	TRUE	0e+00	0.0e+00	NCK1
cg04722620	TRUE	0e+00	0.0e+00	CDC42EP5
cg06465021	TRUE	0e+00	0.0e+00	FLJ33630;SLC12A2
cg26948603	FALSE	0e+00	0.0e+00	DRD1
cg02985708	TRUE	0e+00	0.0e+00	BRD2;BRD2
cg04184019	TRUE	0e+00	0.0e+00	
cg13102079	TRUE	0e+00	0.0e+00	CHRM2;CHRM2;CHRM2;CHRM2;CHRM2;CHRM2;CHRM2;CHRM2
cg09463047	TRUE	0e+00	0.0e+00	HNF1B;HNF1B
cg26513689	TRUE	0e+00	0.0e+00	DAB1
cg22582862	TRUE	0e+00	0.0e+00	
cg06555478	TRUE	0e+00	0.0e+00	MAGI1;MAGI1;MAGI1
cg25604326	TRUE	0e+00	0.0e+00	ARAP3;ARAP3
cg05720429	TRUE	0e+00	0.0e+00	SMARCA5
cg14555127	TRUE	0e+00	0.0e+00	SEPT7;SEPT7
cg07884764	TRUE	0e+00	0.0e+00	CCDC88B
cg17826393	TRUE	0e+00	0.0e+00	MYBL1;MYBL1
cg21605986	TRUE	0e+00	0.0e+00	KIAA1191;KIAA1191;KIAA1191;KIAA1191;KIAA1191;KIAA1191
cg15686385	TRUE	0e+00	0.0e+00	
cg15574263	TRUE	0e+00	0.0e+00	CHID1;CHID1;CHID1;CHID1;CHID1
cg00620223	TRUE	0e+00	0.0e+00	CENPF
cg20423427	TRUE	0e+00	0.0e+00	RTTN
cg06024289	TRUE	0e+00	0.0e+00	KRT18;KRT18
cg00549910	TRUE	0e+00	0.0e+00	CTNNA2;LRRTM1;CTNNA2
cg05447186	TRUE	0e+00	0.0e+00	PANK2;PANK2;PANK2
cg05740045	TRUE	0e+00	0.0e+00	
cg22350578	TRUE	0e+00	0.0e+00	NLE1;NLE1
cg26755539	TRUE	0e+00	0.0e+00	TIMM17A
cg06765552	TRUE	0e+00	0.0e+00	
cg14155825	TRUE	0e+00	0.0e+00	GTF3C5;GTF3C5
cg09069257	TRUE	0e+00	0.0e+00	
cg04804616	TRUE	0e+00	0.0e+00	ZNF689
cg19816560	TRUE	0e+00	0.0e+00	NUFIP2
cg00582628	TRUE	0e+00	0.0e+00	RGS20
cg14835392	TRUE	0e+00	0.0e+00	FAM48A;FAM48A
cg08172575	TRUE	0e+00	0.0e+00	PPM1H

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg11821927	TRUE	0e+00	0.0e+00	SPATA5L1;SPATA5L1
cg27132050	TRUE	0e+00	0.0e+00	
cg23747104	TRUE	0e+00	0.0e+00	PRCC;PRCC
cg00544734	TRUE	0e+00	0.0e+00	TUBA1A
cg19175386	TRUE	0e+00	0.0e+00	
cg09888012	TRUE	0e+00	0.0e+00	
cg15772797	TRUE	0e+00	0.0e+00	SETD8
cg06518779	TRUE	0e+00	0.0e+00	BIVM;KDELC1;BIVM
cg24085655	TRUE	0e+00	0.0e+00	RPL10A;RPL10A
cg00983637	TRUE	0e+00	0.0e+00	AIM1L
cg13976370	TRUE	0e+00	0.0e+00	ADPRHL2
cg05303236	TRUE	0e+00	0.0e+00	PDZD7;SFXN3;SFXN3
cg05051199	TRUE	0e+00	0.0e+00	PCYT1A
cg09264330	TRUE	0e+00	0.0e+00	YJEFN3
cg05060949	TRUE	0e+00	0.0e+00	MNX1;MNX1
cg07623022	TRUE	0e+00	0.0e+00	RPS15A;RPS15A
cg18374914	TRUE	0e+00	0.0e+00	HAVCR2
cg17187559	TRUE	0e+00	0.0e+00	ZNF248
cg19588649	TRUE	0e+00	0.0e+00	ABLIM2;ABLIM2;ABLIM2;ABLIM2;ABLIM2;ABLIM2;ABLIM2
cg06433985	TRUE	0e+00	0.0e+00	KNDC1
cg24345715	TRUE	0e+00	0.0e+00	
cg02001200	TRUE	0e+00	0.0e+00	
cg16784092	TRUE	0e+00	0.0e+00	EIF4B
cg24326130	TRUE	0e+00	0.0e+00	PSMB8;PSMB8
cg05835456	TRUE	0e+00	0.0e+00	TP53BP1;TP53BP1;TP53BP1
cg24533913	TRUE	0e+00	0.0e+00	CABP7
cg05777316	TRUE	0e+00	0.0e+00	ELMO3;E2F4
cg25521086	TRUE	0e+00	0.0e+00	CHCHD5
cg23633700	TRUE	0e+00	0.0e+00	HUS1
cg00145253	TRUE	0e+00	0.0e+00	LHX8
cg15552091	TRUE	0e+00	0.0e+00	ARHGAP25;ARHGAP25
cg02185182	TRUE	0e+00	0.0e+00	MAD1L1;MAD1L1;MAD1L1
cg23866755	TRUE	0e+00	0.0e+00	CNP
cg00055073	TRUE	0e+00	0.0e+00	
cg04453180	TRUE	0e+00	0.0e+00	PCDHGA4;PCDHGA12;PCDHGA11;PCDHGA11;PCDHGA9;PCDHGA
cg24544113	TRUE	0e+00	0.0e+00	SLC25A44
cg23253569	TRUE	0e+00	0.0e+00	OLIG2
cg06705930	TRUE	0e+00	0.0e+00	PAX6;PAX6;PAX6
cg27482856	TRUE	0e+00	0.0e+00	ZNF498
cg20317418	TRUE	0e+00	0.0e+00	
cg11223184	TRUE	0e+00	0.0e+00	ANKRD44
cg06354975	TRUE	0e+00	0.0e+00	LIMCH1;LIMCH1;LIMCH1
cg14778311	TRUE	0e+00	0.0e+00	GPC6
cg23550355	TRUE	0e+00	0.0e+00	THOC5;THOC5;THOC5;THOC5
cg00690400	TRUE	0e+00	0.0e+00	MRPS14
cg02982690	TRUE	0e+00	0.0e+00	BHLHE22;BHLHE22
cg23273250	TRUE	0e+00	0.0e+00	DPM3;DPM3;DPM3
cg06888550	TRUE	0e+00	0.0e+00	HEXIM2
cg20610492	TRUE	0e+00	0.0e+00	LHB
cg06327621	TRUE	0e+00	0.0e+00	IQGAP1
cg26526596	TRUE	0e+00	0.0e+00	C6orf122;C6orf208
cg09211938	TRUE	0e+00	0.0e+00	



CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg11586600	TRUE	0e+00	0.0e+00	KIF26B
cg16281248	TRUE	0e+00	0.0e+00	PPP1R14B
cg12378187	TRUE	0e+00	0.0e+00	FEZF2
cg10202457	TRUE	0e+00	0.0e+00	NMNAT2
cg17147776	TRUE	0e+00	0.0e+00	MYST4
cg22221026	TRUE	0e+00	0.0e+00	LRRFIP2;LRRFIP2;LRRFIP2
cg03924800	TRUE	0e+00	0.0e+00	
cg10533351	TRUE	0e+00	0.0e+00	NAA20;NAA20;NAA20
cg04122385	TRUE	0e+00	0.0e+00	KIAA1217;KIAA1217;PRINS;KIAA1217
cg16100392	TRUE	0e+00	0.0e+00	TAAR3
cg19563365	TRUE	0e+00	0.0e+00	
cg13593323	TRUE	0e+00	0.0e+00	
cg23337754	TRUE	0e+00	0.0e+00	CRABP1
cg17833265	TRUE	0e+00	0.0e+00	
cg20878190	TRUE	0e+00	0.0e+00	ACBD4;PLCD3
cg09823679	TRUE	0e+00	0.0e+00	
cg16008616	TRUE	0e+00	0.0e+00	
cg00645922	TRUE	0e+00	0.0e+00	TMED7;TMED7-TICAM2;TMED7-TICAM2
cg16202484	TRUE	0e+00	0.0e+00	RNF6;RNF6;RNF6
cg07697850	TRUE	0e+00	0.0e+00	TMEM219;TMEM219
cg18167179	TRUE	0e+00	0.0e+00	ACOT4
cg20036162	TRUE	0e+00	0.0e+00	C8orf46
cg11931762	TRUE	0e+00	0.0e+00	
cg26597500	TRUE	0e+00	0.0e+00	PIBF1;DIS3;DIS3;DIS3;DIS3
cg04883418	TRUE	0e+00	0.0e+00	NSUN3;DHFRL1
cg03341758	TRUE	0e+00	0.0e+00	RBM39;RBM39
cg06733736	TRUE	0e+00	0.0e+00	BTBD12
cg01002690	TRUE	0e+00	0.0e+00	UGDH
cg07179693	TRUE	0e+00	0.0e+00	EIF3M
cg07675399	TRUE	0e+00	0.0e+00	CXXC1;CXXC1;CXXC1;CXXC1
cg03780073	TRUE	0e+00	0.0e+00	DUT;DUT;DUT
cg18863922	TRUE	0e+00	0.0e+00	C1orf92
cg15543754	TRUE	0e+00	0.0e+00	EML6
cg01741121	TRUE	0e+00	0.0e+00	GMPR2;GMPR2;GMPR2;GMPR2;NEDD8;GMPR2;GMPR2
cg05833251	TRUE	0e+00	0.0e+00	NGDN;NGDN
cg00956010	TRUE	0e+00	0.0e+00	TSR1;SGSM2;SGSM2
cg02891218	TRUE	0e+00	0.0e+00	ZKSCAN1
cg02512878	TRUE	0e+00	0.0e+00	BMP2K;BMP2K
cg14823080	TRUE	0e+00	0.0e+00	LYRM4;FARS2;LYRM4;LYRM4
cg24047400	TRUE	0e+00	0.0e+00	PTGFRN
cg07334912	TRUE	0e+00	0.0e+00	DTD1
cg16228323	TRUE	0e+00	0.0e+00	
cg04388226	TRUE	0e+00	0.0e+00	
cg03312205	TRUE	0e+00	0.0e+00	COPS7A;COPS7A;COPS7A;COPS7A
cg04779860	TRUE	0e+00	0.0e+00	
cg00177390	TRUE	0e+00	0.0e+00	C1orf25;C1orf26;C1orf26
cg20417855	TRUE	0e+00	0.0e+00	APBB2;APBB2;APBB2
cg06054793	TRUE	0e+00	0.0e+00	EMID2
cg03573390	TRUE	0e+00	0.0e+00	PLLP
cg20299740	TRUE	0e+00	0.0e+00	
cg05635121	TRUE	0e+00	0.0e+00	C17orf81;DULLARD;C17orf81;C17orf81;C17orf81;DULLARD
cg09211336	TRUE	0e+00	0.0e+00	DUS3L;DUS3L

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg22664368	TRUE	0e+00	0.0e+00	MED11;MED11
cg04690289	TRUE	0e+00	0.0e+00	ZDHHHC3;ZDHHHC3;EXOSC7;ZDHHHC3;EXOSC7
cg26306411	TRUE	0e+00	0.0e+00	XBP1;XBP1
cg18902090	TRUE	0e+00	0.0e+00	PCDHA7;PCDHA12;PCDHA6;PCDHAC1;PCDHA10;PCDHA4;PCDHA
cg26278454	TRUE	0e+00	0.0e+00	RSPO4;RSPO4
cg13903460	TRUE	0e+00	0.0e+00	STRAP
cg21858680	TRUE	0e+00	0.0e+00	
cg22376704	TRUE	0e+00	0.0e+00	
cg04675542	TRUE	0e+00	0.0e+00	ZNF300
cg05152815	TRUE	0e+00	0.0e+00	SNRPE
cg19247124	TRUE	0e+00	0.0e+00	
cg11877270	TRUE	0e+00	0.0e+00	SPRED2
cg27308130	TRUE	0e+00	0.0e+00	CHCHD6
cg02901985	TRUE	0e+00	0.0e+00	MTR
cg23985163	TRUE	0e+00	0.0e+00	NAGK
cg17208530	TRUE	0e+00	0.0e+00	CA10;CA10;CA10
cg20253652	TRUE	0e+00	0.0e+00	WDR87;SIPA1L3
cg13290154	TRUE	0e+00	0.0e+00	C6orf47;C6orf47
cg00772813	TRUE	0e+00	0.0e+00	TMEM59;C1orf83
cg13616963	TRUE	0e+00	0.0e+00	ARF4
cg26014952	TRUE	0e+00	0.0e+00	LRRC33
cg01711272	TRUE	0e+00	0.0e+00	CD63;CD63
cg04003850	TRUE	0e+00	0.0e+00	FGF12;FGF12;FGF12
cg07520161	TRUE	0e+00	0.0e+00	TMTC3;CEP290;CEP290
cg22280402	TRUE	0e+00	0.0e+00	FAM115A
cg11418595	TRUE	0e+00	0.0e+00	HOXD1
cg04883553	TRUE	0e+00	0.0e+00	
cg16418735	TRUE	0e+00	0.0e+00	ARL6;ARL6
cg21950493	TRUE	0e+00	0.0e+00	GPN3;GPN3;C12orf24;GPN3
cg18438837	TRUE	0e+00	0.0e+00	PPCS;ZMYND12;ZMYND12;PPCS
cg02928029	TRUE	0e+00	0.0e+00	INTS8
cg24097238	TRUE	0e+00	0.0e+00	MBNL2;MBNL2
cg00721539	TRUE	0e+00	0.0e+00	
cg20632863	TRUE	0e+00	0.0e+00	APAF1;IKBIP;IKBIP;APAF1;APAF1;IKBIP;APAF1;APAF1
cg00295794	TRUE	0e+00	0.0e+00	
cg23271606	TRUE	0e+00	0.0e+00	CDK6
cg09514055	TRUE	0e+00	0.0e+00	HYI
cg15557036	TRUE	0e+00	0.0e+00	
cg15283194	TRUE	0e+00	0.0e+00	DIAPH3
cg07287188	TRUE	0e+00	0.0e+00	
cg04628413	TRUE	0e+00	0.0e+00	NFATC2IP
cg14860219	TRUE	0e+00	0.0e+00	GABPB2
cg27419330	TRUE	0e+00	0.0e+00	DPY30
cg11278857	TRUE	0e+00	0.0e+00	COX15;COX15;CUTC
cg18438793	TRUE	0e+00	0.0e+00	HPCAL4
cg09378441	TRUE	0e+00	0.0e+00	ANLN;KIAA0895
cg22338443	TRUE	0e+00	0.0e+00	WDR64
cg05457941	TRUE	0e+00	0.0e+00	HIST2H2BE;HIST2H2AC;HIST2H2BE
cg26106948	TRUE	0e+00	0.0e+00	
cg06875227	TRUE	0e+00	0.0e+00	ISL1
cg06850315	TRUE	0e+00	0.0e+00	
cg19216791	TRUE	0e+00	0.0e+00	PLAC2

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg09411252	TRUE	0e+00	0.0e+00	KBTBD8
cg05414383	TRUE	0e+00	0.0e+00	MYST3;MYST3;MYST3
cg13442256	TRUE	0e+00	0.0e+00	TBC1D14;TBC1D14
cg09381701	TRUE	0e+00	0.0e+00	SASH1;SASH1
cg18715511	TRUE	0e+00	0.0e+00	RAD52
cg09968723	TRUE	0e+00	0.0e+00	BAI1
cg22653469	TRUE	0e+00	0.0e+00	SFRS1;SFRS1
cg17565113	TRUE	0e+00	0.0e+00	KRT5
cg00714725	TRUE	0e+00	0.0e+00	CYP26C1
cg06035645	TRUE	0e+00	0.0e+00	ACSF3;ACSF3;ACSF3
cg01773306	TRUE	0e+00	0.0e+00	TGOLN2
cg08627720	TRUE	0e+00	0.0e+00	
cg17868994	TRUE	0e+00	0.0e+00	NIPSNAP3B
cg00665908	TRUE	0e+00	0.0e+00	TAF11;ANKS1A
cg25512266	TRUE	0e+00	0.0e+00	C3orf19
cg18729862	TRUE	0e+00	0.0e+00	
cg25372103	TRUE	0e+00	0.0e+00	DLL1;DLL1
cg18641463	TRUE	0e+00	0.0e+00	MAD1L1;MAD1L1;MAD1L1
cg15967188	TRUE	0e+00	0.0e+00	RNF4
cg12378831	TRUE	0e+00	0.0e+00	ZC3H13
cg10499753	TRUE	0e+00	0.0e+00	CPNE7;CPNE7
cg11996632	TRUE	0e+00	0.0e+00	EXOSC6;EXOSC6
cg26977644	TRUE	0e+00	0.0e+00	ODZ4
cg04104329	TRUE	0e+00	0.0e+00	RALA
cg11904056	TRUE	0e+00	0.0e+00	NR2F1
cg00049253	TRUE	0e+00	0.0e+00	EXOC8;C1orf124;EXOC8;C1orf124
cg01398327	TRUE	0e+00	0.0e+00	
cg03299479	TRUE	0e+00	0.0e+00	
cg13097319	TRUE	0e+00	0.0e+00	BBS2
cg25937832	TRUE	0e+00	0.0e+00	NKIRAS1;RPL15;NKIRAS1
cg25764824	TRUE	0e+00	0.0e+00	NHP2L1;C22orf46
cg08876665	TRUE	0e+00	0.0e+00	PTGR1;PTGR1;PTGR1
cg14210872	TRUE	0e+00	0.0e+00	RUSC1;RUSC1;RUSC1;C1orf104;RUSC1
cg05477517	TRUE	0e+00	0.0e+00	
cg22693978	TRUE	0e+00	0.0e+00	CREB5
cg01688688	TRUE	0e+00	0.0e+00	PCDHB18
cg11362010	TRUE	0e+00	0.0e+00	SOX2OT
cg19435409	TRUE	0e+00	0.0e+00	HIST1H2AL;HIST1H2AL
cg08988951	TRUE	0e+00	0.0e+00	DNASE1L2
cg26146585	TRUE	0e+00	0.0e+00	SPRYD4
cg11591325	TRUE	0e+00	0.0e+00	F2R
cg04507515	TRUE	0e+00	0.0e+00	KCNE3
cg22265644	TRUE	0e+00	0.0e+00	NKX2-2
cg13935167	TRUE	0e+00	0.0e+00	RFX7
cg08894685	TRUE	0e+00	0.0e+00	C12orf65;C12orf65;C12orf65
cg11439834	TRUE	0e+00	0.0e+00	PTGES3
cg02795624	TRUE	0e+00	0.0e+00	HINFP;HINFP
cg08606655	TRUE	0e+00	0.0e+00	MAPK14;MAPK14;MAPK14;MAPK14
cg08370757	TRUE	0e+00	0.0e+00	ADAD2;ADAD2
cg16317961	TRUE	0e+00	0.0e+00	MAPRE2;MAPRE2;MAPRE2;MAPRE2
cg08303978	TRUE	0e+00	0.0e+00	PTPLAD1
cg26786569	TRUE	0e+00	0.0e+00	WBP1

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg06405765	TRUE	0e+00	0.0e+00	PPP4C;PPP4C
cg09146695	TRUE	0e+00	0.0e+00	LEF1;LEF1;LEF1;LEF1;LEF1;LEF1;LOC641518
cg25028162	TRUE	0e+00	0.0e+00	SIGLEC14
cg24349886	TRUE	0e+00	0.0e+00	PLAC2
cg26001902	TRUE	0e+00	0.0e+00	SLC5A7
cg13390975	TRUE	0e+00	0.0e+00	BRIX1;RAD1;RAD1
cg16796135	TRUE	0e+00	0.0e+00	TECTA
cg16020904	TRUE	0e+00	0.0e+00	SPATA20
cg22249279	TRUE	0e+00	0.0e+00	C6orf52;C6orf52;PAK1IP1;C6orf52
cg10260267	TRUE	0e+00	0.0e+00	
cg08937562	TRUE	0e+00	0.0e+00	STX5
cg20954975	TRUE	0e+00	0.0e+00	
cg26649251	TRUE	0e+00	0.0e+00	ZNF224;ZNF224
cg20513643	TRUE	0e+00	0.0e+00	DDN
cg22797944	TRUE	0e+00	0.0e+00	RAGE
cg05176716	TRUE	0e+00	0.0e+00	
cg14642671	TRUE	0e+00	0.0e+00	EME1;MRPL27;EME1;EME1;EME1
cg21930229	TRUE	0e+00	0.0e+00	HDAC1
cg15707093	TRUE	0e+00	0.0e+00	NBLA00301;HAND2
cg00259785	TRUE	0e+00	0.0e+00	ZNF599;ZNF599
cg02420724	TRUE	0e+00	0.0e+00	COL5A2
cg10294200	TRUE	0e+00	0.0e+00	NAA25
cg07233428	TRUE	0e+00	0.0e+00	TMED5;TMED5;TMED5;CCDC18
cg10867947	TRUE	0e+00	0.0e+00	INTS8
cg21931792	TRUE	0e+00	0.0e+00	PXMP3;PXMP3;PXMP3;PXMP3
cg14277392	TRUE	0e+00	0.0e+00	ZNF471
cg25386234	TRUE	0e+00	0.0e+00	
cg04584301	TRUE	0e+00	0.0e+00	PCSK2
cg25300941	TRUE	0e+00	0.0e+00	VPS4A
cg09885409	TRUE	0e+00	0.0e+00	IFNAR1
cg16637223	TRUE	0e+00	0.0e+00	ACLY;ACLY
cg21999939	TRUE	0e+00	0.0e+00	C5orf38
cg00723019	TRUE	0e+00	0.0e+00	TMEM143;SYNGR4
cg16895948	TRUE	0e+00	0.0e+00	POLR3C;POLR3C;RNF115
cg06844526	TRUE	0e+00	0.0e+00	MYO1B;MYO1B;MYO1B
cg17462218	TRUE	0e+00	0.0e+00	PRELP;PRELP
cg04974899	TRUE	0e+00	0.0e+00	ENTPD6;ENTPD6
cg13466481	TRUE	0e+00	0.0e+00	
cg16376108	TRUE	0e+00	0.0e+00	IRX5
cg04270736	TRUE	0e+00	0.0e+00	SLC30A6
cg03238595	TRUE	0e+00	0.0e+00	ZNF224
cg21182903	TRUE	0e+00	0.0e+00	PMEPA1;PMEPA1;PMEPA1;PMEPA1
cg21772509	TRUE	0e+00	0.0e+00	NKX6-3
cg00596508	TRUE	0e+00	0.0e+00	CNTN1;CNTN1
cg26578682	TRUE	0e+00	0.0e+00	IRX2;IRX2
cg13714586	TRUE	0e+00	0.0e+00	C8G;FBXW5
cg22946670	TRUE	0e+00	0.0e+00	PMVK
cg24472496	TRUE	0e+00	0.0e+00	RGS7
cg02470625	TRUE	0e+00	0.0e+00	POU6F2;POU6F2
cg05539515	TRUE	0e+00	0.0e+00	KANK4
cg03720605	TRUE	0e+00	0.0e+00	
cg13113052	TRUE	0e+00	0.0e+00	POLI

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg03151469	TRUE	0e+00	0.0e+00	
cg05144814	TRUE	0e+00	0.0e+00	
cg21865128	TRUE	0e+00	0.0e+00	C4orf36
cg04267345	TRUE	0e+00	0.0e+00	NFATC4
cg18565702	TRUE	0e+00	0.0e+00	TUBGCP3
cg00503587	TRUE	0e+00	0.0e+00	PET117
cg24140832	TRUE	0e+00	0.0e+00	PSMD13;SIRT3;PSMD13;SIRT3
cg13407825	TRUE	0e+00	0.0e+00	PCBP1
cg05396178	TRUE	0e+00	0.0e+00	HIST1H2AL;HIST1H2AL
cg06197377	TRUE	0e+00	0.0e+00	PCSK9
cg00760014	TRUE	0e+00	0.0e+00	IFFO2
cg25568716	TRUE	0e+00	0.0e+00	C11orf58;C11orf58
cg19527995	TRUE	0e+00	0.0e+00	SLC35C1;SLC35C1;SLC35C1
cg25185585	TRUE	0e+00	0.0e+00	HOXD1
cg17789193	TRUE	0e+00	0.0e+00	
cg11344005	TRUE	0e+00	0.0e+00	KLHDC7B
cg22956598	TRUE	0e+00	0.0e+00	COX10
cg10018272	TRUE	0e+00	0.0e+00	SLC35D1;SLC35D1
cg21629640	TRUE	0e+00	0.0e+00	
cg02594498	TRUE	0e+00	0.0e+00	CYFIP1
cg23587176	TRUE	0e+00	0.0e+00	FOXK1
cg12791243	TRUE	0e+00	0.0e+00	BMP2K;BMP2K
cg15342384	TRUE	0e+00	0.0e+00	HNRNPH3;PBLD;HNRNPH3;HNRNPH3;PBLD;HNRNPH3
cg16587974	TRUE	0e+00	0.0e+00	LOC728723;ZBED3
cg01524278	TRUE	0e+00	0.0e+00	
cg11220502	TRUE	0e+00	0.0e+00	EFNB2
cg00061629	TRUE	0e+00	0.0e+00	ALX4
cg11787176	TRUE	0e+00	0.0e+00	
cg22580937	TRUE	0e+00	0.0e+00	SRGAP3;SRGAP3
cg07031532	TRUE	0e+00	0.0e+00	OAZ2
cg05180859	TRUE	0e+00	0.0e+00	ZNF518A
cg17603689	TRUE	0e+00	0.0e+00	
cg22689316	TRUE	0e+00	0.0e+00	
cg14569837	TRUE	0e+00	0.0e+00	OR5AS1
cg01416111	TRUE	0e+00	0.0e+00	ING3;ING3;ING3;ING3
cg16279909	TRUE	0e+00	0.0e+00	C7orf64;PEX1
cg26228569	TRUE	0e+00	0.0e+00	MED27
cg23853026	TRUE	0e+00	0.0e+00	
cg12473838	TRUE	0e+00	0.0e+00	SSBP1;FLJ40852
cg04264374	TRUE	0e+00	0.0e+00	PPT2;PPT2;PPT2
cg07230107	TRUE	0e+00	0.0e+00	CNIH3;CNIH3
cg25820279	TRUE	0e+00	0.0e+00	
cg03263685	TRUE	0e+00	0.0e+00	PPP3R1
cg08729059	TRUE	0e+00	0.0e+00	ZNF593
cg18325289	TRUE	0e+00	0.0e+00	USP48;USP48
cg14732136	TRUE	0e+00	0.0e+00	KPNA2
cg13478737	TRUE	0e+00	0.0e+00	FIBCD1;FIBCD1
cg12439899	TRUE	0e+00	0.0e+00	TFAP2A;TFAP2A;TFAP2A
cg24341498	TRUE	0e+00	0.0e+00	RXRA
cg03274991	TRUE	0e+00	0.0e+00	ARHGEF12
cg19282742	TRUE	0e+00	0.0e+00	ARMC5;ARMC5
cg01209934	TRUE	0e+00	0.0e+00	ELP3

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg24815289	TRUE	0e+00	0.0e+00	LMAN2
cg09076431	TRUE	0e+00	0.0e+00	LHX9;LHX9
cg11452292	TRUE	0e+00	0.0e+00	ATP5L
cg24143374	TRUE	0e+00	0.0e+00	LOC100133612
cg10925350	TRUE	0e+00	0.0e+00	PPP2R3C;KIAA0391
cg04762129	TRUE	0e+00	0.0e+00	
cg06752163	TRUE	0e+00	0.0e+00	RPL22L1
cg13101841	TRUE	0e+00	0.0e+00	BAT4;BAT4;CSNK2B
cg17436327	TRUE	0e+00	0.0e+00	PSMB1;TBP
cg12188830	TRUE	0e+00	0.0e+00	SLMAP
cg02373435	TRUE	0e+00	0.0e+00	AASDH
cg00155504	TRUE	0e+00	0.0e+00	EXOSC10;EXOSC10
cg17872999	TRUE	0e+00	0.0e+00	MLL5;LOC100216545;MLL5
cg07478100	TRUE	0e+00	0.0e+00	MIS12;DERL2
cg19469297	TRUE	0e+00	0.0e+00	TBRG4;TBRG4;TBRG4
cg01536682	TRUE	0e+00	0.0e+00	EARS2;EARS2;UBFD1
cg04804618	TRUE	0e+00	0.0e+00	EBF3
cg06482428	TRUE	0e+00	0.0e+00	KCNIP4
cg22319470	TRUE	0e+00	0.0e+00	HDAC11;HDAC11
cg17025620	TRUE	0e+00	0.0e+00	
cg03607855	TRUE	0e+00	0.0e+00	
cg22314314	TRUE	0e+00	0.0e+00	KIF15;KIAA1143
cg18255595	TRUE	0e+00	0.0e+00	GJA3
cg27190206	TRUE	0e+00	0.0e+00	SERTAD3;SERTAD3
cg03768106	TRUE	0e+00	0.0e+00	TIMM8B;SDHD;TIMM8B
cg15689121	TRUE	0e+00	0.0e+00	
cg18843373	TRUE	0e+00	0.0e+00	KIAA0586;TIMM9
cg08458125	TRUE	0e+00	0.0e+00	
cg20652607	TRUE	0e+00	0.0e+00	NR2E1
cg14139627	TRUE	0e+00	0.0e+00	ZNF283
cg18751588	TRUE	0e+00	0.0e+00	TFCP2
cg07068870	TRUE	0e+00	0.0e+00	RSPO2
cg25097497	TRUE	0e+00	0.0e+00	
cg10857341	TRUE	0e+00	0.0e+00	
cg19682249	TRUE	0e+00	0.0e+00	SOCS2
cg01140008	TRUE	0e+00	0.0e+00	GRM4
cg08036764	FALSE	0e+00	0.0e+00	C22orf45;C22orf45;UPB1
cg23181159	TRUE	0e+00	0.0e+00	FAM8A1
cg11794728	TRUE	0e+00	0.0e+00	KLF12
cg03297569	TRUE	0e+00	0.0e+00	RAB30
cg16242804	TRUE	0e+00	0.0e+00	
cg03505427	TRUE	0e+00	0.0e+00	CSE1L
cg22223655	TRUE	0e+00	0.0e+00	RTTN;RTTN
cg01685242	TRUE	0e+00	0.0e+00	SIPA1
cg15889838	TRUE	0e+00	0.0e+00	
cg12269343	TRUE	0e+00	0.0e+00	SEL1L
cg22978620	TRUE	0e+00	0.0e+00	GATA2
cg02343318	TRUE	0e+00	0.0e+00	ZNF790
cg18739821	TRUE	0e+00	0.0e+00	HS3ST3B1
cg08447479	TRUE	0e+00	0.0e+00	TMEM231;TMEM231;TMEM231
cg12564650	TRUE	0e+00	0.0e+00	HNRNPH1
cg10945667	TRUE	0e+00	0.0e+00	MIR17HG;MIR17HG

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg13987669	TRUE	0e+00	0.0e+00	TARS
cg07751641	TRUE	0e+00	0.0e+00	
cg16713947	TRUE	0e+00	0.0e+00	TAPBPL;CD27;LOC678655
cg04238758	TRUE	0e+00	0.0e+00	RDH10
cg11719157	TRUE	0e+00	0.0e+00	PITPNA
cg25572043	TRUE	0e+00	0.0e+00	ANKRD28
cg03582761	TRUE	0e+00	0.0e+00	USP33;USP33;USP33;USP33;USP33
cg21848532	TRUE	0e+00	0.0e+00	GNPAT;C1orf131
cg10896623	TRUE	0e+00	0.0e+00	C1orf151
cg15309223	TRUE	0e+00	0.0e+00	TMEM59;C1orf83;TMEM59
cg17858663	TRUE	0e+00	0.0e+00	CENPN;CENPN;CENPN;C16orf61
cg04371440	TRUE	0e+00	0.0e+00	
cg21643860	TRUE	0e+00	0.0e+00	TUT1
cg15719199	TRUE	0e+00	0.0e+00	MEF2D;MEF2D
cg02215960	TRUE	0e+00	0.0e+00	HEMK1
cg06070263	TRUE	0e+00	0.0e+00	ZIC4;ZIC4;ZIC4
cg26020585	TRUE	0e+00	0.0e+00	GGPS1;ARID4B;GGPS1;GGPS1;ARID4B;GGPS1
cg04865691	TRUE	0e+00	0.0e+00	SOX1;SOX1
cg09228402	TRUE	0e+00	0.0e+00	LOC100133612
cg12810189	TRUE	0e+00	0.0e+00	BCAP29;BCAP29;BCAP29;BCAP29
cg27441058	TRUE	0e+00	0.0e+00	
cg21157115	TRUE	0e+00	0.0e+00	APTX;APTX
cg14790421	TRUE	0e+00	0.0e+00	UBE2N
cg18633432	TRUE	0e+00	0.0e+00	MSL2
cg15035528	TRUE	0e+00	0.0e+00	ACCSL
cg10168850	TRUE	0e+00	0.0e+00	ZNF622
cg10022722	TRUE	0e+00	0.0e+00	SYNGR3
cg04845449	TRUE	0e+00	0.0e+00	PEX26;PEX26;PEX26;PEX26
cg11489389	FALSE	0e+00	0.0e+00	ATXN7;ATXN7;THOC7
cg15916192	TRUE	0e+00	0.0e+00	
cg05168491	TRUE	0e+00	0.0e+00	
cg00222690	TRUE	0e+00	0.0e+00	KLHL31
cg22111038	TRUE	0e+00	0.0e+00	RAB3C
cg21365564	TRUE	0e+00	0.0e+00	BLOC1S2;BLOC1S2;BLOC1S2
cg00881254	TRUE	0e+00	0.0e+00	TYMS;C18orf56
cg24890446	TRUE	0e+00	0.0e+00	NAP1L4
cg08626943	TRUE	0e+00	0.0e+00	IPO7;IPO7
cg02120433	TRUE	0e+00	0.0e+00	
cg24333629	TRUE	0e+00	0.0e+00	SPHKAP;SPHKAP
cg18899035	TRUE	0e+00	0.0e+00	PARP2;PARP2;RPPH1
cg01936270	TRUE	0e+00	0.0e+00	CYP1B1
cg05656360	TRUE	0e+00	0.0e+00	
cg14953672	TRUE	0e+00	0.0e+00	PYY
cg19916212	TRUE	0e+00	0.0e+00	EDNRB;EDNRB;EDNRB
cg26425256	TRUE	0e+00	0.0e+00	
cg21461837	TRUE	0e+00	0.0e+00	TMED1
cg22048132	TRUE	0e+00	0.0e+00	INTS2;INTS2;INTS2
cg03927304	TRUE	0e+00	0.0e+00	KREMEN2;KREMEN2
cg10700275	TRUE	0e+00	0.0e+00	CEP350
cg13742289	TRUE	0e+00	0.0e+00	MOBK2B
cg11243995	TRUE	0e+00	0.0e+00	C1orf198;C1orf198
cg04907171	TRUE	0e+00	0.0e+00	

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg25609284	TRUE	0e+00	0.0e+00	BLCAP;BLCAP;BLCAP;BLCAP
cg03658282	TRUE	0e+00	0.0e+00	BAT2
cg01438145	TRUE	0e+00	0.0e+00	WDR37
cg07588263	TRUE	0e+00	0.0e+00	C8orf40;C8orf40;C8orf40;SLC20A2;C8orf40;C8orf40;C8orf40
cg12977171	TRUE	0e+00	0.0e+00	STX3
cg04847817	TRUE	0e+00	0.0e+00	PITPNB;LOC284900;LOC284900
cg02181594	TRUE	0e+00	0.0e+00	FAM176A
cg16969623	TRUE	0e+00	0.0e+00	ZNF331;ZNF331
cg19014302	TRUE	0e+00	0.0e+00	MPV17L2
cg20110742	TRUE	0e+00	0.0e+00	
cg26605518	TRUE	0e+00	0.0e+00	C7orf64;PEX1
cg08710469	TRUE	0e+00	0.0e+00	
cg14466961	TRUE	0e+00	0.0e+00	ZNF721;PIGG;PIGG;ZNF721
cg08817965	TRUE	0e+00	0.0e+00	TOP2A
cg11799172	TRUE	0e+00	0.0e+00	ZEB1;ZEB1;ZEB1;LOC220930;ZEB1
cg06711307	TRUE	0e+00	0.0e+00	MRPL4;MRPL4;MRPL4
cg27277632	TRUE	0e+00	0.0e+00	MUDENG;MUDENG;MUDENG;EXOC5
cg26008916	TRUE	0e+00	0.0e+00	PFAS;C17orf68
cg26100099	TRUE	0e+00	0.0e+00	SPAG17
cg10988336	TRUE	0e+00	0.0e+00	PCSK1
cg25967031	TRUE	0e+00	0.0e+00	HOXA4
cg11815708	TRUE	0e+00	0.0e+00	PABPC4L
cg24859800	TRUE	0e+00	0.0e+00	CCHCR1;CCHCR1;TCF19;TCF19;CCHCR1
cg11328140	TRUE	0e+00	0.0e+00	PWP1
cg19510792	TRUE	0e+00	0.0e+00	MYO10
cg02320003	TRUE	0e+00	0.0e+00	ELOVL7;ELOVL7
cg03245962	TRUE	0e+00	0.0e+00	XRN1;XRN1
cg01818588	TRUE	0e+00	0.0e+00	PDE6D
cg03888578	TRUE	0e+00	0.0e+00	CCDC18;TMED5;TMED5;TMED5
cg14309500	TRUE	0e+00	0.0e+00	CCDC102B;TMX3
cg09927483	TRUE	0e+00	0.0e+00	SEL1L
cg15714607	TRUE	0e+00	0.0e+00	UVRAG
cg09139956	TRUE	0e+00	0.0e+00	RILPL2
cg19818722	TRUE	0e+00	0.0e+00	LTB;LTB
cg07323055	TRUE	0e+00	0.0e+00	FASTKD5;UBOX5;UBOX5
cg19968946	TRUE	0e+00	0.0e+00	PDZRN3
cg23960684	TRUE	0e+00	0.0e+00	C11orf10;FEN1
cg21300561	TRUE	0e+00	0.0e+00	TUBA1B
cg14166459	TRUE	0e+00	0.0e+00	RASA3
cg10169515	TRUE	0e+00	0.0e+00	MPHOSPH9
cg25257644	TRUE	0e+00	0.0e+00	PIP4K2A
cg15033163	TRUE	0e+00	0.0e+00	
cg09551145	TRUE	0e+00	0.0e+00	
cg04920574	TRUE	0e+00	0.0e+00	CYB5R4
cg11398323	TRUE	0e+00	0.0e+00	CCND1
cg20796357	TRUE	0e+00	0.0e+00	ACBD4;ACBD4;ACBD4;ACBD4;ACBD4;ACBD4;ACBD4;ACBD4
cg11801489	TRUE	0e+00	0.0e+00	
cg02164516	TRUE	0e+00	0.0e+00	LOC729082
cg02460426	TRUE	0e+00	0.0e+00	PPT2;PPT2;PPT2
cg22605342	TRUE	0e+00	0.0e+00	RSL1D1
cg04981410	TRUE	0e+00	0.0e+00	HLA-B
cg21088534	TRUE	0e+00	0.0e+00	



CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg14541950	TRUE	0e+00	0.0e+00	HIST3H2A;HIST3H2BB
cg19406117	TRUE	0e+00	0.0e+00	STBD1
cg14632906	TRUE	0e+00	0.0e+00	
cg11805669	TRUE	0e+00	0.0e+00	
cg06703062	TRUE	0e+00	0.0e+00	MATN1
cg00156744	TRUE	0e+00	0.0e+00	STK10
cg14385337	TRUE	0e+00	0.0e+00	
cg08606075	TRUE	0e+00	0.0e+00	TMEM18
cg10344404	TRUE	0e+00	0.0e+00	SYNRG;SYNRG;SYNRG;SYNRG;SYNRG;SYNRG
cg21803680	TRUE	0e+00	0.0e+00	TMEM169;TMEM169;TMEM169;PECR;TMEM169
cg07747133	TRUE	0e+00	0.0e+00	SOX2OT;SOX2
cg20587874	TRUE	0e+00	0.0e+00	MIR548N
cg24100214	FALSE	0e+00	0.0e+00	DIAPH1;DIAPH1
cg07739803	TRUE	0e+00	0.0e+00	SLC30A7;EXTL2;EXTL2;SLC30A7
cg02767242	TRUE	0e+00	0.0e+00	TBR1
cg19037304	TRUE	0e+00	0.0e+00	TMEM196
cg14806374	TRUE	0e+00	0.0e+00	FNBP4
cg19294125	TRUE	0e+00	0.0e+00	NANP
cg03724260	TRUE	0e+00	0.0e+00	ZBTB4;POLR2A
cg08533424	TRUE	0e+00	0.0e+00	RPL23;SNORA21;RPL23
cg12873454	TRUE	0e+00	0.0e+00	KIAA1026;KIAA1026
cg14419581	TRUE	0e+00	0.0e+00	PTRF
cg23526474	TRUE	0e+00	0.0e+00	ARRDC2
cg05938437	TRUE	0e+00	0.0e+00	TM9SF4;TM9SF4
cg05047465	TRUE	0e+00	0.0e+00	RAB18
cg07667522	FALSE	0e+00	0.0e+00	INPPL1
cg15642758	TRUE	0e+00	0.0e+00	HDGFRP3
cg13414654	TRUE	0e+00	0.0e+00	
cg02712165	TRUE	0e+00	0.0e+00	C17orf76;C17orf76
cg19143209	TRUE	0e+00	0.0e+00	
cg02917972	TRUE	0e+00	0.0e+00	ZCCHC11;ZCCHC11;ZCCHC11
cg09420665	TRUE	0e+00	0.0e+00	KIAA1279;KIAA1279
cg03717442	TRUE	0e+00	0.0e+00	SIX3
cg07567376	TRUE	0e+00	0.0e+00	BICC1
cg06177407	TRUE	0e+00	0.0e+00	MAP3K11
cg05470203	TRUE	0e+00	0.0e+00	TTC31;CCDC142;CCDC142;TTC31
cg17718302	TRUE	0e+00	0.0e+00	HIST1H3J
cg25063515	TRUE	0e+00	0.0e+00	CA10;CA10;CA10
cg11515095	TRUE	0e+00	0.0e+00	OPCML
cg00935653	TRUE	0e+00	0.0e+00	
cg23276238	TRUE	0e+00	0.0e+00	
cg17926678	TRUE	0e+00	0.0e+00	SLC39A9;ERH
cg06779945	TRUE	0e+00	0.0e+00	TNFAIP3
cg06616512	TRUE	0e+00	0.0e+00	BDKRB2
cg26074120	TRUE	0e+00	0.0e+00	WNK4
cg26638003	TRUE	0e+00	0.0e+00	GLOD4;GLOD4;RNMTL1
cg16130600	TRUE	0e+00	0.0e+00	ING3;ING3
cg17045801	TRUE	0e+00	0.0e+00	HECW1
cg06578111	TRUE	0e+00	0.0e+00	HDAC11;HDAC11
cg23454177	TRUE	0e+00	0.0e+00	PSMB10
cg21298523	TRUE	0e+00	0.0e+00	NUDT9;NUDT9;NUDT9
cg15887555	TRUE	0e+00	0.0e+00	

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg21255438	TRUE	0e+00	0.0e+00	PRDM14
cg25360929	TRUE	0e+00	0.0e+00	C19orf51
cg14694232	TRUE	0e+00	0.0e+00	TRIM26
cg02485092	TRUE	0e+00	0.0e+00	WNT2;WNT2
cg21545849	TRUE	0e+00	0.0e+00	CHD6
cg08382497	TRUE	0e+00	0.0e+00	
cg03835793	TRUE	0e+00	0.0e+00	CCDC28A
cg08452546	TRUE	0e+00	0.0e+00	DTWD2
cg12856612	TRUE	0e+00	0.0e+00	SREBF2
cg06012574	TRUE	0e+00	0.0e+00	ANKRD11
cg23473088	TRUE	0e+00	0.0e+00	
cg04120520	TRUE	0e+00	0.0e+00	KIAA0182;KIAA0182
cg25371692	TRUE	0e+00	0.0e+00	MRPL4;MRPL4;MRPL4;MRPL4;MRPL4
cg03454863	TRUE	0e+00	0.0e+00	TOX2;TOX2;TOX2;TOX2
cg17986341	TRUE	0e+00	0.0e+00	TP73;TP73;TP73;TP73
cg15216636	TRUE	0e+00	0.0e+00	TRIP10
cg11868900	TRUE	0e+00	0.0e+00	EFCAB1;EFCAB1;EFCAB1
cg23585337	TRUE	0e+00	0.0e+00	HAS2AS;HAS2
cg05732130	TRUE	0e+00	0.0e+00	GINS3;GINS3;GINS3
cg05991454	TRUE	0e+00	0.0e+00	
cg22579849	TRUE	0e+00	0.0e+00	DCTN3;DCTN3
cg18845838	TRUE	0e+00	0.0e+00	ACOX3;ACOX3
cg13698196	TRUE	0e+00	0.0e+00	
cg15377585	TRUE	0e+00	0.0e+00	TMEM196
cg00178429	TRUE	0e+00	0.0e+00	KLF10
cg21795544	TRUE	0e+00	0.0e+00	
cg18329797	TRUE	0e+00	0.0e+00	GALNTL6
cg00074313	TRUE	0e+00	0.0e+00	MIR548N
cg22852149	TRUE	0e+00	0.0e+00	ZNF566;ZNF566;ZNF566;ZNF566
cg16438841	TRUE	0e+00	0.0e+00	
cg22136326	TRUE	0e+00	0.0e+00	ARL2BP
cg16222848	TRUE	0e+00	0.0e+00	AKAP11
cg02571920	TRUE	0e+00	0.0e+00	SFRS1;SFRS1
cg19755435	TRUE	0e+00	0.0e+00	GPR65
cg19909613	TRUE	0e+00	0.0e+00	TTC35
cg11356029	TRUE	0e+00	0.0e+00	TNPO1
cg15199754	TRUE	0e+00	0.0e+00	LOC388796;LOC388796;SNORA71D
cg01287975	TRUE	0e+00	0.0e+00	TAC1;TAC1;TAC1;TAC1
cg25980344	TRUE	0e+00	0.0e+00	NPM1;NPM1;NPM1
cg11221265	TRUE	0e+00	0.0e+00	SDHC;SDHC;SDHC;SDHC;LOC642502
cg23527621	TRUE	0e+00	0.0e+00	ECE2;CAMK2N2
cg19571214	TRUE	0e+00	0.0e+00	ZNF219
cg19449219	TRUE	0e+00	0.0e+00	PEX13;PUS10
cg22902535	TRUE	0e+00	0.0e+00	KLF7
cg04207413	TRUE	0e+00	0.0e+00	FAM53B
cg01951420	TRUE	0e+00	0.0e+00	IQCB1;IQCB1;EAF2;IQCB1;IQCB1
cg22304507	TRUE	0e+00	0.0e+00	TMEM22;TMEM22;TMEM22;TMEM22;TMEM22;TMEM22
cg04011925	TRUE	0e+00	0.0e+00	ZFPM2
cg04477291	TRUE	0e+00	0.0e+00	BAT3;BAT3;BAT3;BAT3
cg03604573	TRUE	0e+00	0.0e+00	FAM109A
cg24719487	TRUE	0e+00	0.0e+00	GIPC2
cg08390877	TRUE	0e+00	0.0e+00	

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg21622977	TRUE	0e+00	0.0e+00	RBPMS;RBPMS;RBPMS;RBPMS
cg27646699	TRUE	0e+00	0.0e+00	NIP7;COG8
cg13124370	TRUE	0e+00	0.0e+00	GPR125
cg15433422	TRUE	0e+00	0.0e+00	LOC152217;NCBP2;NCBP2
cg17016847	TRUE	0e+00	0.0e+00	FLT4;FLT4
cg09187338	TRUE	0e+00	0.0e+00	
cg09721469	TRUE	0e+00	0.0e+00	
cg09941601	TRUE	0e+00	0.0e+00	
cg19358590	TRUE	0e+00	0.0e+00	
cg21938148	TRUE	0e+00	0.0e+00	COL4A1;COL4A2
cg22370633	TRUE	0e+00	0.0e+00	PBLD;HNRNPH3;PBLD;HNRNPH3
cg20617957	TRUE	0e+00	0.0e+00	
cg04432597	TRUE	0e+00	0.0e+00	AMIGO3;RNF123
cg04716261	TRUE	0e+00	0.0e+00	ACTRT2
cg14052996	TRUE	0e+00	0.0e+00	ENDOG
cg00483891	TRUE	0e+00	0.0e+00	CCDC115
cg04765303	TRUE	0e+00	0.0e+00	OPCML;OPCML
cg25473201	TRUE	0e+00	0.0e+00	
cg24470734	TRUE	0e+00	0.0e+00	SLFN12
cg19656070	TRUE	0e+00	0.0e+00	TMEM93;TAX1BP3;TMEM93
cg11843700	TRUE	0e+00	0.0e+00	REEP6;PCSK4
cg14480149	TRUE	0e+00	0.0e+00	TSSC4
cg16826947	TRUE	0e+00	0.0e+00	DBNL;DBNL;DBNL
cg22468803	TRUE	0e+00	0.0e+00	ANKRD12;ANKRD12
cg11461302	TRUE	0e+00	0.0e+00	BAIAP2L2
cg24398450	TRUE	0e+00	0.0e+00	SELPLG
cg11526073	TRUE	0e+00	0.0e+00	C1orf70
cg11424312	TRUE	0e+00	0.0e+00	KIF26B
cg01352810	TRUE	0e+00	0.0e+00	ZNF10
cg24337818	FALSE	0e+00	0.0e+00	DYRK4
cg24994504	TRUE	0e+00	0.0e+00	RAB3C
cg06897264	TRUE	0e+00	0.0e+00	
cg06069154	TRUE	0e+00	0.0e+00	C1orf92
cg14784428	TRUE	0e+00	0.0e+00	FDFT1
cg02898293	TRUE	0e+00	0.0e+00	VSX1;VSX1
cg12495503	TRUE	0e+00	0.0e+00	
cg23503796	TRUE	0e+00	0.0e+00	NDUFA7;RPS28
cg21816001	TRUE	0e+00	0.0e+00	LRRCC1;LRRCC1
cg12174498	TRUE	0e+00	0.0e+00	MRPS28
cg13433446	TRUE	0e+00	0.0e+00	
cg05112885	TRUE	0e+00	0.0e+00	PDE12
cg03754076	TRUE	0e+00	0.0e+00	
cg14638883	TRUE	0e+00	0.0e+00	T
cg03668982	TRUE	0e+00	0.0e+00	UBE2E1;UBE2E1
cg24592027	TRUE	0e+00	0.0e+00	DBX1
cg00488501	TRUE	0e+00	0.0e+00	OSBPL5;OSBPL5;OSBPL5
cg24579258	TRUE	0e+00	0.0e+00	RAB11A
cg04956913	TRUE	0e+00	0.0e+00	IER3
cg17585528	TRUE	0e+00	0.0e+00	LPP;LPP;LPP
cg25204319	TRUE	0e+00	0.0e+00	
cg12954230	TRUE	0e+00	0.0e+00	ADAMTS17
cg15400629	TRUE	0e+00	0.0e+00	LOC285548

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg11071682	TRUE	0e+00	0.0e+00	SERTAD4
cg10409341	TRUE	0e+00	0.0e+00	MEX3B
cg07509420	TRUE	0e+00	0.0e+00	WDR24
cg15661389	TRUE	0e+00	0.0e+00	GAS7
cg02582183	TRUE	0e+00	0.0e+00	TMEM80;TMEM80;DEAF1;DEAF1
cg26477793	TRUE	0e+00	0.0e+00	ACTR1A
cg16774604	TRUE	0e+00	0.0e+00	OXA1L
cg21082122	TRUE	0e+00	0.0e+00	TSSC1
cg22156267	TRUE	0e+00	0.0e+00	C12orf34
cg08409301	FALSE	0e+00	0.0e+00	APLP1;APLP1
cg26599209	TRUE	0e+00	0.0e+00	CYFIP2;CYFIP2
cg07295678	TRUE	0e+00	0.0e+00	DPYSL4
cg03486485	TRUE	0e+00	0.0e+00	
cg25043477	TRUE	0e+00	0.0e+00	C11orf67;RSF1;RSF1
cg21712663	TRUE	0e+00	0.0e+00	PLK3
cg04173586	TRUE	0e+00	0.0e+00	DOT1L
cg07850154	TRUE	0e+00	0.0e+00	RNF180;RNF180
cg12433062	TRUE	0e+00	0.0e+00	PSME3;PSME3
cg09955084	TRUE	0e+00	0.0e+00	
cg08104402	TRUE	0e+00	0.0e+00	IFT140;CRAMP1L
cg19708432	TRUE	0e+00	0.0e+00	DNER
cg15741083	TRUE	0e+00	0.0e+00	CRYL1
cg09931939	TRUE	0e+00	0.0e+00	GJD4
cg10247864	FALSE	0e+00	0.0e+00	HIST2H2BF;HIST2H2BF;HIST2H2BF
cg04192862	TRUE	0e+00	0.0e+00	BAMBI;BAMBI
cg26677288	TRUE	0e+00	0.0e+00	KIF26B
cg03602029	TRUE	0e+00	0.0e+00	OLIG3;OLIG3
cg15274001	TRUE	0e+00	0.0e+00	RPS21
cg22472608	TRUE	0e+00	0.0e+00	
cg14964658	TRUE	0e+00	0.0e+00	PEX19;PEX19
cg13581941	TRUE	0e+00	0.0e+00	CDC23
cg26260386	TRUE	0e+00	0.0e+00	SETD7
cg11136708	TRUE	0e+00	0.0e+00	ZNF74;ZNF74
cg25821794	TRUE	0e+00	0.0e+00	VGLL2;VGLL2
cg11056915	TRUE	0e+00	0.0e+00	NUDCD1;ENY2
cg09356401	TRUE	0e+00	0.0e+00	UGP2;UGP2;UGP2
cg09803262	TRUE	0e+00	0.0e+00	DLX6AS
cg08049853	TRUE	0e+00	0.0e+00	
cg11414709	TRUE	0e+00	0.0e+00	SCAND3;SCAND3
cg26187061	TRUE	0e+00	0.0e+00	GMNN
cg14189758	TRUE	0e+00	0.0e+00	BLCAP;BLCAP;BLCAP;BLCAP
cg05930000	TRUE	0e+00	0.0e+00	KLHL29
cg09774198	TRUE	0e+00	0.0e+00	PDS5B;PDS5B
cg07576142	TRUE	0e+00	0.0e+00	GPC6
cg07279963	TRUE	0e+00	0.0e+00	PTPRG
cg19853927	TRUE	0e+00	0.0e+00	SGEF
cg26151531	TRUE	0e+00	0.0e+00	GNB1L;C22orf29
cg23091255	TRUE	0e+00	0.0e+00	
cg12183467	TRUE	0e+00	0.0e+00	
cg26691604	TRUE	0e+00	0.0e+00	MEIS1
cg14677698	TRUE	0e+00	0.0e+00	
cg11079823	TRUE	0e+00	0.0e+00	ACADM;ACADM;ACADM;ACADM

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg11515196	TRUE	0e+00	0.0e+00	EIF3J
cg00716604	TRUE	0e+00	0.0e+00	TBC1D15;TBC1D15;TBC1D15;TBC1D15;TBC1D15
cg08127941	TRUE	0e+00	0.0e+00	TRIM39;HCG18;HCG18;TRIM39
cg02759110	TRUE	0e+00	0.0e+00	UCP1
cg18986925	TRUE	0e+00	0.0e+00	C2orf39
cg23677570	TRUE	0e+00	0.0e+00	WBSCR16;WBSCR16
cg00136947	TRUE	0e+00	0.0e+00	NELL2;NELL2;NELL2;NELL2;NELL2
cg20923716	TRUE	0e+00	0.0e+00	MAPRE2;MAPRE2;MAPRE2
cg09221867	TRUE	0e+00	0.0e+00	PCDH10;PCDH10
cg04005701	TRUE	0e+00	0.0e+00	RPA1;SMYD4
cg19010396	TRUE	0e+00	0.0e+00	KIAA0892;SF4
cg21554501	TRUE	0e+00	0.0e+00	RARA;RARA;RARA;RARA;RARA
cg08231348	TRUE	0e+00	0.0e+00	HOOK1
cg24987170	TRUE	0e+00	0.0e+00	ADCK1;ADCK1
cg24294950	TRUE	0e+00	0.0e+00	GRM8;GRM8;GRM8
cg19942977	TRUE	0e+00	0.0e+00	DLG2;DLG2;DLG2;DLG2
cg17084653	TRUE	0e+00	0.0e+00	
cg01692639	TRUE	0e+00	0.0e+00	
cg09082903	TRUE	0e+00	0.0e+00	NPY1R
cg13732083	TRUE	0e+00	0.0e+00	C21orf56;C21orf56
cg25767985	TRUE	0e+00	0.0e+00	
cg13802527	TRUE	0e+00	0.0e+00	C9orf80
cg16970804	TRUE	0e+00	0.0e+00	LOC153684
cg16361966	TRUE	0e+00	0.0e+00	
cg01001744	TRUE	0e+00	0.0e+00	XYLT1
cg11795854	TRUE	0e+00	0.0e+00	
cg03438079	TRUE	0e+00	0.0e+00	TRAF7;SNORD60
cg07195622	TRUE	0e+00	0.0e+00	SRRM2;LOC100128788
cg10824802	TRUE	0e+00	0.0e+00	SLCO5A1;SLCO5A1
cg10706034	TRUE	0e+00	0.0e+00	CEP63;ANAPC13;ANAPC13;CEP63;ANAPC13;CEP63;CEP63
cg08761447	TRUE	0e+00	0.0e+00	PARP11
cg24899068	TRUE	0e+00	0.0e+00	RPS11
cg10036510	TRUE	0e+00	0.0e+00	KLHL7;KLHL7
cg06385118	TRUE	0e+00	0.0e+00	LOC441046
cg11072373	TRUE	0e+00	0.0e+00	RG9MTD2;RG9MTD2;MTTP;RG9MTD2;RG9MTD2;RG9MTD2
cg05165580	TRUE	0e+00	0.0e+00	ADAT1
cg24753061	TRUE	0e+00	0.0e+00	GATA6
cg13569527	TRUE	0e+00	0.0e+00	TRPC4AP;TRPC4AP
cg14333579	TRUE	0e+00	0.0e+00	
cg26618210	TRUE	0e+00	0.0e+00	LOC729082
cg13975523	TRUE	0e+00	0.0e+00	TNFSF11;TNFSF11
cg01374047	TRUE	0e+00	0.0e+00	HCFC1R1;HCFC1R1;HCFC1R1;THOC6;THOC6;THOC6;HCFC1R1;TH
cg20791839	TRUE	0e+00	0.0e+00	SELK
cg06751583	TRUE	0e+00	0.0e+00	TNRC6B
cg27072323	TRUE	0e+00	0.0e+00	CAP1;CAP1
cg18406718	TRUE	0e+00	0.0e+00	PPP3CA;PPP3CA;PPP3CA
cg13810660	TRUE	0e+00	0.0e+00	
cg09416543	TRUE	0e+00	0.0e+00	IRX5
cg13211287	TRUE	0e+00	0.0e+00	TSTA3
cg10300236	TRUE	0e+00	0.0e+00	C14orf149;JKAMP;JKAMP
cg16932472	TRUE	0e+00	0.0e+00	IPO5;IPO5
cg10393931	TRUE	0e+00	0.0e+00	SLC25A13;SLC25A13;SLC25A13;SLC25A13;SLC25A13

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg00017059	TRUE	0e+00	0.0e+00	SRBD1
cg09877117	TRUE	0e+00	0.0e+00	BBC3;BBC3;BBC3;BBC3;BBC3;BBC3;BBC3
cg08467371	TRUE	0e+00	0.0e+00	DIS3L2
cg05736079	TRUE	0e+00	0.0e+00	GRIN1;GRIN1;GRIN1
cg24326501	TRUE	0e+00	0.0e+00	CAMTA1
cg09456465	TRUE	0e+00	0.0e+00	
cg06868946	TRUE	0e+00	0.0e+00	XKR4
cg08352774	TRUE	0e+00	0.0e+00	TMEM181
cg13426642	TRUE	0e+00	0.0e+00	
cg20253659	TRUE	0e+00	0.0e+00	LTBP1
cg09755666	TRUE	0e+00	0.0e+00	IFIH1
cg02246053	TRUE	0e+00	0.0e+00	TRIM37;TRIM37
cg16766889	TRUE	0e+00	0.0e+00	CACNA1G;CACNA1G;CACNA1G;CACNA1G;CACNA1G;CACNA1G;CACNA1G
cg08119584	TRUE	0e+00	0.0e+00	TP53;WRAP53;WRAP53;TP53;TP53;TP53
cg19270764	TRUE	0e+00	0.0e+00	EIF4G3
cg26255052	TRUE	0e+00	0.0e+00	EPHB2;EPHB2
cg09868299	TRUE	0e+00	0.0e+00	
cg00469508	TRUE	0e+00	0.0e+00	SMC3
cg09926892	TRUE	0e+00	0.0e+00	RBM39;RBM39
cg03919644	TRUE	0e+00	0.0e+00	CEP97
cg02303317	TRUE	0e+00	0.0e+00	TUBGCP2;ZNF511;TUBGCP2
cg03794617	TRUE	0e+00	0.0e+00	RPTOR;RPTOR
cg18473234	TRUE	0e+00	0.0e+00	KDM4B
cg04855447	TRUE	0e+00	0.0e+00	ANUBL1;ANUBL1
cg22048948	TRUE	0e+00	0.0e+00	C2orf64;UNC50
cg12910107	TRUE	0e+00	0.0e+00	
cg24395307	TRUE	0e+00	0.0e+00	CDK13;CDK13;CDK13;CDK13
cg01071313	TRUE	0e+00	0.0e+00	FLII
cg19391276	TRUE	0e+00	0.0e+00	PRDM13
cg15298875	TRUE	0e+00	0.0e+00	CCDC15
cg00990380	TRUE	0e+00	0.0e+00	
cg12441052	TRUE	0e+00	0.0e+00	ZDHHC24;ACTN3
cg06912939	TRUE	0e+00	0.0e+00	SMO
cg10459515	TRUE	0e+00	0.0e+00	BCLAF1;BCLAF1;BCLAF1
cg12046375	TRUE	0e+00	0.0e+00	TARS2
cg16875235	TRUE	0e+00	0.0e+00	LSM6
cg14036868	TRUE	0e+00	0.0e+00	ATL2;ATL2;ATL2
cg04248573	TRUE	0e+00	0.0e+00	TMEM217;TMEM217;TBC1D22B
cg23079012	TRUE	0e+00	0.0e+00	
cg11496438	TRUE	0e+00	0.0e+00	CYCS
cg09941712	FALSE	0e+00	0.0e+00	
cg24525988	TRUE	0e+00	0.0e+00	
cg08733086	TRUE	0e+00	0.0e+00	CKS1B;SHC1;SHC1;CKS1B
cg26723928	TRUE	0e+00	0.0e+00	GFPT2
cg13600489	TRUE	0e+00	0.0e+00	NKX2-1;NKX2-1
cg08802167	TRUE	0e+00	0.0e+00	NPC2;NPC2;ISCA2
cg15305521	TRUE	0e+00	0.0e+00	TAAR3
cg10583683	TRUE	0e+00	0.0e+00	NIPA2;NIPA2;NIPA2;NIPA2
cg21076271	TRUE	0e+00	0.0e+00	ARHGAP5;ARHGAP5;ARHGAP5;C14orf128;ARHGAP5
cg21237268	TRUE	0e+00	0.0e+00	HCG27
cg13637733	TRUE	0e+00	0.0e+00	TLE3;TLE3;TLE3;TLE3;TLE3;TLE3
cg10677017	TRUE	0e+00	0.0e+00	NTM;NTM;NTM;NTM

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg18404281	TRUE	0e+00	0.0e+00	GNA14
cg21655280	TRUE	0e+00	0.0e+00	HDAC11;HDAC11
cg06616729	TRUE	0e+00	0.0e+00	
cg09502149	TRUE	0e+00	0.0e+00	SLC2A1
cg04672495	TRUE	0e+00	0.0e+00	UBE2Q2;UBE2Q2
cg04320354	TRUE	0e+00	0.0e+00	PHTF2;PHTF2;TMEM60
cg04598733	TRUE	0e+00	0.0e+00	SEC63
cg24531494	TRUE	0e+00	0.0e+00	C4orf31
cg09015146	TRUE	0e+00	0.0e+00	TPRA1;TPRA1
cg04560456	TRUE	0e+00	0.0e+00	LIN28B;LIN28B
cg03142885	TRUE	0e+00	0.0e+00	NRSN1
cg22068764	TRUE	0e+00	0.0e+00	GORAB;GORAB;GORAB
cg21545840	TRUE	0e+00	0.0e+00	SLIT3
cg16497424	TRUE	0e+00	0.0e+00	PAOX;PAOX;PAOX
cg15964998	TRUE	0e+00	0.0e+00	
cg15054281	TRUE	0e+00	0.0e+00	MUC2
cg20303592	TRUE	0e+00	0.0e+00	TRUB1
cg06971092	TRUE	0e+00	0.0e+00	
cg12924408	TRUE	0e+00	0.0e+00	RABL4;RABL4
cg01879488	FALSE	0e+00	0.0e+00	CD44;CD44;CD44;CD44;CD44;CD44;CD44;CD44;CD44
cg18455360	TRUE	0e+00	0.0e+00	LMAN2
cg22557662	TRUE	0e+00	0.0e+00	PPP1R14A
cg00051979	TRUE	0e+00	0.0e+00	C10orf4;C10orf4
cg12494124	TRUE	0e+00	0.0e+00	ZNF490;ZNF791;ZNF791
cg05325390	TRUE	0e+00	0.0e+00	COG7
cg14650559	TRUE	0e+00	0.0e+00	C14orf174;TMED8
cg21610111	TRUE	0e+00	0.0e+00	
cg17403609	TRUE	0e+00	0.0e+00	FLT4;FLT4
cg08477599	TRUE	0e+00	0.0e+00	KIAA1949;KIAA1949;KIAA1949
cg05027458	TRUE	0e+00	0.0e+00	ADAMTS17;ADAMTS17
cg25568561	TRUE	0e+00	0.0e+00	PPP2R5C;PPP2R5C;PPP2R5C;PPP2R5C;PPP2R5C
cg11471666	TRUE	0e+00	0.0e+00	EIF4B
cg15692687	TRUE	0e+00	0.0e+00	ELP3
cg14651079	TRUE	0e+00	0.0e+00	LDB3;LDB3;LDB3;LDB3;LDB3;LDB3
cg16691888	TRUE	0e+00	0.0e+00	LRP2
cg23185402	TRUE	0e+00	0.0e+00	PHKB;PHKB;ITFG1
cg08376864	TRUE	0e+00	0.0e+00	MGC2889;HRASLS
cg20908936	TRUE	0e+00	0.0e+00	
cg26288892	TRUE	0e+00	0.0e+00	MOGAT2
cg15167433	TRUE	0e+00	0.0e+00	XRCC1
cg05473447	TRUE	0e+00	0.0e+00	C8orf37
cg05939928	TRUE	0e+00	0.0e+00	EFCAB2;EFCAB2;EFCAB2;EFCAB2;EFCAB2
cg27049761	TRUE	0e+00	0.0e+00	B3GNT4
cg06881310	TRUE	0e+00	0.0e+00	NHSL1
cg26650987	TRUE	0e+00	0.0e+00	C5orf43
cg08661007	TRUE	0e+00	0.0e+00	ROBO1
cg20676716	TRUE	0e+00	0.0e+00	HOXD1
cg14810343	TRUE	0e+00	0.0e+00	CXXC5
cg16167524	TRUE	0e+00	0.0e+00	GIP
cg03253114	TRUE	0e+00	0.0e+00	
cg20800956	TRUE	0e+00	0.0e+00	DNM3;DNM3
cg10324998	TRUE	0e+00	0.0e+00	TGFBR3

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg21092834	TRUE	0e+00	0.0e+00	LOC643923;ELMOD1;ELMOD1
cg22020752	TRUE	0e+00	0.0e+00	KIAA0528
cg20312205	TRUE	0e+00	0.0e+00	SLITRK1;SLITRK1
cg22510794	TRUE	0e+00	0.0e+00	CROT;CROT;CROT;TP53TG1
cg24937126	TRUE	0e+00	0.0e+00	LAMB1
cg07532072	TRUE	0e+00	0.0e+00	PPPDE2;XRCC6
cg10698964	TRUE	0e+00	0.0e+00	FLJ10038;GABPB1;GABPB1;GABPB1;LOC100129387;GABPB1;GABPB1
cg08638180	TRUE	0e+00	0.0e+00	SLC9A5
cg02888247	TRUE	0e+00	0.0e+00	C6orf62;C6orf62
cg13150282	TRUE	0e+00	0.0e+00	ALKBH2;ALKBH2;ALKBH2;ALKBH2;ALKBH2;ALKBH2;ALKBH2;ALKBH2
cg13268671	TRUE	0e+00	0.0e+00	TTC21B
cg08213909	TRUE	0e+00	0.0e+00	MCC;MCC
cg11412288	TRUE	0e+00	0.0e+00	DCBLD1
cg08058544	TRUE	0e+00	0.0e+00	
cg19576738	TRUE	0e+00	0.0e+00	FGF2
cg09837385	TRUE	0e+00	0.0e+00	GORASP1;TTC21A;TTC21A;TTC21A;TTC21A
cg21896766	TRUE	0e+00	0.0e+00	CSMD3;CSMD3
cg00728317	TRUE	0e+00	0.0e+00	MT1F
cg26574895	TRUE	0e+00	0.0e+00	WARS2;WARS2
cg16233489	TRUE	0e+00	0.0e+00	WDR70
cg09555367	TRUE	0e+00	0.0e+00	EMX2;EMX2OS;EMX2
cg13276752	TRUE	0e+00	0.0e+00	TUBD1;TUBD1;RPS6KB1
cg10038085	TRUE	0e+00	0.0e+00	UCK2
cg20872937	TRUE	0e+00	0.0e+00	GALR1
cg01262337	TRUE	0e+00	0.0e+00	TKT;TKT;TKT
cg03236816	TRUE	0e+00	0.0e+00	
cg24877558	FALSE	0e+00	0.0e+00	FOXJ3
cg19719120	TRUE	0e+00	0.0e+00	MORG1;MORG1;C19orf56;MORG1
cg00253269	TRUE	0e+00	0.0e+00	
cg01316476	TRUE	0e+00	0.0e+00	
cg01420987	TRUE	0e+00	0.0e+00	CRYM;NCRNA00169
cg17832991	TRUE	0e+00	0.0e+00	OVOL2
cg18534872	TRUE	0e+00	0.0e+00	ZWINT;ZWINT;ZWINT
cg24814707	TRUE	0e+00	0.0e+00	KIAA1211
cg08042975	TRUE	0e+00	0.0e+00	ERBB4;ERBB4
cg00002810	TRUE	0e+00	0.0e+00	DAB1
cg04225551	TRUE	0e+00	0.0e+00	GRHL2
cg25267930	TRUE	0e+00	0.0e+00	
cg01067626	TRUE	0e+00	0.0e+00	SKP1;SKP1
cg20367712	TRUE	0e+00	0.0e+00	GSX2
cg07967228	TRUE	0e+00	0.0e+00	GRB7;GRB7
cg18397023	TRUE	0e+00	0.0e+00	KPNA6
cg22956649	TRUE	0e+00	0.0e+00	
cg01038720	TRUE	0e+00	0.0e+00	OXR1
cg17023374	TRUE	0e+00	0.0e+00	C4orf32
cg08055377	TRUE	0e+00	0.0e+00	
cg04481096	TRUE	0e+00	0.0e+00	HOXA2
cg07939768	TRUE	0e+00	0.0e+00	NUFIP2
cg03523104	TRUE	0e+00	0.0e+00	ZBTB39
cg26433034	TRUE	0e+00	0.0e+00	CCDC136
cg03614193	TRUE	0e+00	0.0e+00	ST8SIA3
cg17299899	TRUE	0e+00	0.0e+00	



CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg24126592	TRUE	0e+00	0.0e+00	DGKZ;DGKZ;DGKZ;DGKZ
cg06933752	TRUE	0e+00	0.0e+00	FAU;MRPL49;MRPL49
cg19777470	TRUE	0e+00	0.0e+00	CRABP1
cg17897236	TRUE	0e+00	0.0e+00	NIPA2;NIPA2;NIPA2;NIPA2
cg21776674	TRUE	0e+00	0.0e+00	KCNAB2;KCNAB2
cg12597276	TRUE	0e+00	0.0e+00	SRFBP1
cg19125715	TRUE	0e+00	0.0e+00	MYBL1;MYBL1
cg06074256	TRUE	0e+00	0.0e+00	MDC1
cg27153155	TRUE	0e+00	0.0e+00	SIM1
cg16302816	TRUE	0e+00	0.0e+00	PLEKHA7
cg04129946	TRUE	0e+00	0.0e+00	PPIL3;NIF3L1;PPIL3;PPIL3;NIF3L1;PPIL3;NIF3L1
cg27482605	TRUE	0e+00	0.0e+00	C19orf51
cg13497643	TRUE	0e+00	0.0e+00	
cg23983710	TRUE	0e+00	0.0e+00	DIP2C
cg10471794	TRUE	0e+00	0.0e+00	
cg10571695	TRUE	0e+00	0.0e+00	C3orf17;C3orf17;C3orf17
cg04623960	TRUE	0e+00	0.0e+00	PKD1;PKD1
cg18851831	TRUE	0e+00	0.0e+00	DYRK1B;DYRK1B;DYRK1B
cg07573209	TRUE	0e+00	0.0e+00	ISL2
cg14945578	TRUE	0e+00	0.0e+00	CDC25B;CDC25B;CDC25B
cg18801691	TRUE	0e+00	0.0e+00	DCC
cg10536369	TRUE	0e+00	0.0e+00	BBS5
cg10157715	TRUE	0e+00	0.0e+00	
cg26422022	TRUE	0e+00	0.0e+00	LOX
cg19180542	TRUE	0e+00	0.0e+00	ZNF37B
cg03725404	TRUE	0e+00	0.0e+00	SLC2A9;SLC2A9
cg14643520	TRUE	0e+00	0.0e+00	ATP1B3
cg05417615	TRUE	0e+00	0.0e+00	SLC10A7;SLC10A7
cg16643813	TRUE	0e+00	0.0e+00	USP53
cg17510758	TRUE	0e+00	0.0e+00	KIAA0415
cg03683256	TRUE	0e+00	0.0e+00	ARAP3
cg08524221	TRUE	0e+00	0.0e+00	SFRS2;MFSD11
cg15946545	TRUE	0e+00	0.0e+00	MRPS31
cg02065707	TRUE	0e+00	0.0e+00	VIPR2
cg25371088	TRUE	0e+00	0.0e+00	MRPL24;MRPL24;MRPL24;MRPL24
cg00360256	TRUE	0e+00	0.0e+00	FBRSL1
cg27072387	TRUE	0e+00	0.0e+00	LTBP1
cg06693138	TRUE	0e+00	0.0e+00	USP5;USP5;CDCA3
cg00582820	TRUE	0e+00	0.0e+00	OSBPL11
cg23186534	TRUE	0e+00	0.0e+00	KIF5A
cg01117273	TRUE	0e+00	0.0e+00	C3orf17;C3orf17;C3orf17
cg21139845	TRUE	0e+00	0.0e+00	C12orf57
cg07195197	TRUE	0e+00	0.0e+00	IFT140
cg11735242	TRUE	0e+00	0.0e+00	
cg23961842	TRUE	0e+00	0.0e+00	
cg23586322	TRUE	0e+00	0.0e+00	COL14A1
cg24131747	TRUE	0e+00	0.0e+00	VTI1B
cg00575672	TRUE	0e+00	0.0e+00	
cg11339341	TRUE	0e+00	0.0e+00	LOC645323;LOC645323;LOC645323
cg13273799	TRUE	0e+00	0.0e+00	DUSP4;DUSP4
cg01423389	TRUE	0e+00	0.0e+00	
cg08373610	TRUE	0e+00	0.0e+00	RFTN2

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg08997021	TRUE	0e+00	0.0e+00	CKAP2;CKAP2;CKAP2;CKAP2
cg18018640	TRUE	0e+00	0.0e+00	IQCE;IQCE
cg01861657	FALSE	0e+00	0.0e+00	
cg02343823	TRUE	0e+00	0.0e+00	ZNF300
cg24591563	TRUE	0e+00	0.0e+00	RPL14;RPL14;RPL14;RPL14
cg20829404	TRUE	0e+00	0.0e+00	COL9A3
cg23955684	TRUE	0e+00	0.0e+00	RFTN1
cg07378091	TRUE	0e+00	0.0e+00	ZNF564;ZNF564
cg15880846	TRUE	0e+00	0.0e+00	
cg18406000	TRUE	0e+00	0.0e+00	
cg23132327	TRUE	0e+00	0.0e+00	
cg01295600	TRUE	0e+00	0.0e+00	PSMB8;PSMB8;PSMB8
cg11867546	TRUE	0e+00	0.0e+00	HLA-J;NCRNA00171
cg04759220	TRUE	0e+00	0.0e+00	JMY
cg00782275	TRUE	0e+00	0.0e+00	
cg09427273	TRUE	0e+00	0.0e+00	CUGBP2;CUGBP2
cg13696351	TRUE	0e+00	0.0e+00	LRRC26
cg26409826	TRUE	0e+00	0.0e+00	CADPS;CADPS;CADPS
cg01114951	TRUE	0e+00	0.0e+00	TRIM45;TRIM45
cg00034076	TRUE	0e+00	0.0e+00	RALYL;RALYL;RALYL;RALYL;RALYL
cg05617744	TRUE	0e+00	0.0e+00	E2F3
cg22984041	TRUE	0e+00	0.0e+00	C3orf57
cg22819502	TRUE	0e+00	0.0e+00	KCNK13
cg23152885	TRUE	0e+00	0.0e+00	ISLR2;LOC283731;ISLR2;ISLR2;ISLR2;ISLR2
cg14717796	TRUE	0e+00	0.0e+00	EPHX2;EPHX2
cg24939819	TRUE	0e+00	0.0e+00	GPN2;GPATCH3
cg25292882	TRUE	0e+00	0.0e+00	
cg21692726	TRUE	0e+00	0.0e+00	
cg27029821	TRUE	0e+00	0.0e+00	PRDM14
cg00379348	TRUE	0e+00	0.0e+00	DUS3L;DUS3L
cg12337005	TRUE	0e+00	0.0e+00	
cg25456068	TRUE	0e+00	0.0e+00	
cg15757853	TRUE	0e+00	0.0e+00	CABLES1;CABLES1
cg06944351	TRUE	0e+00	0.0e+00	
cg18787548	TRUE	0e+00	0.0e+00	
cg21487637	TRUE	0e+00	0.0e+00	QPCTL;QPCTL;SNRPD2;SNRPD2
cg10192893	TRUE	0e+00	0.0e+00	PHOX2B
cg01689928	TRUE	0e+00	0.0e+00	PELI1
cg15617155	TRUE	0e+00	0.0e+00	
cg04997124	TRUE	0e+00	0.0e+00	SNORD113-2
cg08085357	TRUE	0e+00	0.0e+00	SOX2OT
cg26656135	TRUE	0e+00	0.0e+00	EYA4;EYA4;EYA4;EYA4;EYA4;EYA4
cg12975862	TRUE	0e+00	0.0e+00	FBN1
cg26147657	TRUE	0e+00	0.0e+00	TTC30A
cg15889057	TRUE	0e+00	0.0e+00	ITGB7
cg00846554	TRUE	0e+00	0.0e+00	PHACTR1
cg15422685	TRUE	0e+00	0.0e+00	FEZF2
cg17128349	TRUE	0e+00	0.0e+00	SLC46A3;SLC46A3
cg04270788	TRUE	0e+00	0.0e+00	GTF2B
cg06284244	TRUE	0e+00	0.0e+00	YES1
cg12722217	TRUE	0e+00	0.0e+00	FRMD5
cg23235832	TRUE	0e+00	0.0e+00	KIAA1324

[illegible]

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg25721451	TRUE	0e+00	0.0e+00	MEIS1;MEIS1
cg18756179	TRUE	0e+00	0.0e+00	FLJ26850
cg11456838	TRUE	0e+00	0.0e+00	OSTCL
cg20140363	TRUE	0e+00	0.0e+00	C2orf39
cg03449387	TRUE	0e+00	0.0e+00	ABCC5;ABCC5
cg12250581	TRUE	0e+00	0.0e+00	
cg16302650	TRUE	0e+00	0.0e+00	PPIL4
cg14031414	TRUE	0e+00	0.0e+00	ESF1;C20orf7;C20orf7;C20orf7
cg10307632	TRUE	0e+00	0.0e+00	NRP2;NRP2;NRP2;NRP2;NRP2
cg05961294	TRUE	0e+00	0.0e+00	
cg03826535	TRUE	0e+00	0.0e+00	TPCN1;TPCN1;IQCD
cg02950740	TRUE	0e+00	0.0e+00	KDM5A;CCDC77;CCDC77;KDM5A
cg19131205	TRUE	0e+00	0.0e+00	FOXP4;FOXP4;FOXP4
cg03335886	TRUE	0e+00	0.0e+00	GJB6;GJB6;GJB6;GJB6
cg25604067	TRUE	0e+00	0.0e+00	ST3GAL4
cg05251389	TRUE	0e+00	0.0e+00	BIK
cg02762546	TRUE	0e+00	0.0e+00	HDAC11;HDAC11
cg12263485	TRUE	0e+00	0.0e+00	HNRNPA1;HNRPA1L-2;HNRNPA1;CBX5
cg10966876	TRUE	0e+00	0.0e+00	TWIST2
cg23267217	TRUE	0e+00	0.0e+00	ZNF593
cg17892069	TRUE	0e+00	0.0e+00	AUTS2;AUTS2
cg13069535	TRUE	0e+00	0.0e+00	RBM4
cg25233685	TRUE	0e+00	0.0e+00	LTBP4;LTBP4;LTBP4
cg12130907	TRUE	0e+00	0.0e+00	GALE;GALE
cg01458443	TRUE	0e+00	0.0e+00	
cg09407122	TRUE	0e+00	0.0e+00	
cg16986624	TRUE	0e+00	0.0e+00	GNB5;GNB5
cg16581347	TRUE	0e+00	0.0e+00	
cg04678743	TRUE	0e+00	0.0e+00	TSGA13;COPG2;COPG2
cg02128625	TRUE	0e+00	0.0e+00	
cg21144673	TRUE	0e+00	0.0e+00	PPPDE2;XRCC6
cg22886694	TRUE	0e+00	0.0e+00	C7orf55
cg03100196	TRUE	0e+00	0.0e+00	ZYX;ZYX
cg11739675	TRUE	0e+00	0.0e+00	CHST11
cg16528511	TRUE	0e+00	0.0e+00	RIPPLY2
cg05576949	TRUE	0e+00	0.0e+00	IGF2BP2;IGF2BP2
cg26665082	TRUE	0e+00	0.0e+00	FUBP1
cg15251539	TRUE	0e+00	0.0e+00	
cg09793172	TRUE	0e+00	0.0e+00	KIF17;KIF17
cg14657525	TRUE	0e+00	0.0e+00	TRIM71
cg15208284	TRUE	0e+00	0.0e+00	BBX;BBX
cg13790879	TRUE	0e+00	0.0e+00	ASB1
cg19026320	TRUE	0e+00	0.0e+00	CLDN8
cg10937494	TRUE	0e+00	0.0e+00	SLC16A3;SLC16A3;SLC16A3
cg13042092	TRUE	0e+00	0.0e+00	CCDC126;CCDC126
cg24657523	TRUE	0e+00	0.0e+00	MYEF2
cg13615367	TRUE	0e+00	0.0e+00	KCTD6
cg08142263	TRUE	0e+00	0.0e+00	DDA1
cg18243072	TRUE	0e+00	0.0e+00	HOXA10;HOXA10;HOXA10
cg06230462	TRUE	0e+00	0.0e+00	NDUFC2;NDUFC2
cg17019866	TRUE	0e+00	0.0e+00	MTBP;MRPL13
cg11441935	TRUE	0e+00	0.0e+00	ZNF566;ZNF566;ZNF566;ZNF566

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg03831289	TRUE	0e+00	0.0e+00	
cg07355337	TRUE	0e+00	0.0e+00	
cg20368463	TRUE	0e+00	0.0e+00	PQLC1;PQLC1;PQLC1
cg13898318	TRUE	0e+00	0.0e+00	
cg21849552	TRUE	0e+00	0.0e+00	
cg03140096	TRUE	0e+00	0.0e+00	FARSA
cg21602506	TRUE	0e+00	0.0e+00	
cg17319486	TRUE	0e+00	0.0e+00	BRUNOL4;BRUNOL4;BRUNOL4;BRUNOL4
cg15757507	TRUE	0e+00	0.0e+00	LOC150185
cg08329754	TRUE	0e+00	0.0e+00	RPTOR;RPTOR
cg26717758	TRUE	0e+00	0.0e+00	POLD3
cg24722749	TRUE	0e+00	0.0e+00	SRRM1
cg02850344	TRUE	0e+00	0.0e+00	
cg16327647	TRUE	0e+00	0.0e+00	CENPF
cg11269166	TRUE	0e+00	0.0e+00	METTL8
cg19743690	TRUE	0e+00	0.0e+00	PRDM6
cg25664054	TRUE	0e+00	0.0e+00	
cg23983067	TRUE	0e+00	0.0e+00	BMS1
cg02816816	TRUE	0e+00	0.0e+00	FAM184B
cg12765064	TRUE	0e+00	0.0e+00	
cg27167439	TRUE	0e+00	0.0e+00	C1orf21
cg25623934	TRUE	0e+00	0.0e+00	TRIB2;TRIB2
cg07056285	TRUE	0e+00	0.0e+00	PRDM6
cg08598654	TRUE	0e+00	0.0e+00	DLX6AS
cg16123269	TRUE	0e+00	0.0e+00	TRIM15
cg06719391	TRUE	0e+00	0.0e+00	KCNQ1;KCNQ1
cg14494451	TRUE	0e+00	0.0e+00	ARL6IP6;ARL6IP6
cg07672449	TRUE	0e+00	0.0e+00	RNASEK;C17orf49;C17orf49;C17orf49
cg08385995	TRUE	0e+00	0.0e+00	RAB11FIP3
cg27069706	TRUE	0e+00	0.0e+00	STK19;STK19;STK19;DOM3Z
cg14826972	TRUE	0e+00	0.0e+00	ARCN1;ARCN1
cg03822950	TRUE	0e+00	0.0e+00	
cg02006803	TRUE	0e+00	0.0e+00	
cg21121119	TRUE	0e+00	0.0e+00	GNAT1;GNAT1
cg19659642	TRUE	0e+00	0.0e+00	CD9
cg24971181	TRUE	0e+00	0.0e+00	CDCA2;KCTD9
cg12078605	TRUE	0e+00	0.0e+00	CTNNA2;LRRTM1;CTNNA2
cg07115626	TRUE	0e+00	0.0e+00	
cg00873186	TRUE	0e+00	0.0e+00	
cg04919918	TRUE	0e+00	0.0e+00	RICTOR
cg20430909	TRUE	0e+00	0.0e+00	
cg16720379	TRUE	0e+00	0.0e+00	
cg17597787	TRUE	0e+00	0.0e+00	GORASP2
cg08059112	TRUE	0e+00	0.0e+00	LINGO3
cg27250368	FALSE	0e+00	0.0e+00	EEF1D;EEF1D;EEF1D;EEF1D;EEF1D;TIGD5;EEF1D;EEF1D
cg16236394	TRUE	0e+00	0.0e+00	ZC3H6
cg22129571	TRUE	0e+00	0.0e+00	NID1
cg26014017	TRUE	0e+00	0.0e+00	SNIP1;SNIP1
cg05230888	TRUE	0e+00	0.0e+00	DTNBP1;DTNBP1;DTNBP1
cg10534923	TRUE	0e+00	0.0e+00	TM7SF2;TM7SF2
cg10131657	TRUE	0e+00	0.0e+00	PKHD1L1
cg02495519	TRUE	0e+00	0.0e+00	DCUN1D3;LYRM1;LYRM1;LYRM1;LYRM1

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg18795599	TRUE	0e+00	0.0e+00	FAM128A;LOC150776
cg11662851	TRUE	0e+00	0.0e+00	GTF2H1;HPS5;HPS5;GTF2H1;HPS5;HPS5;HPS5
cg04664126	TRUE	0e+00	0.0e+00	SCAND3
cg05902273	TRUE	0e+00	0.0e+00	SOCS1
cg13603062	TRUE	0e+00	0.0e+00	PSMB8;PSMB8;PSMB8
cg21663539	TRUE	0e+00	0.0e+00	CEP192
cg23427963	TRUE	0e+00	0.0e+00	IDI1;IDI1
cg16871519	TRUE	0e+00	0.0e+00	TFAP2A;TFAP2A
cg00522579	TRUE	0e+00	0.0e+00	MYOM1;MYOM1
cg13816414	FALSE	0e+00	0.0e+00	RIMBP2
cg13065938	TRUE	0e+00	0.0e+00	TPR;C1orf27;C1orf27;C1orf27;C1orf27;C1orf27;MIR548F1;C1orf27
cg11430659	TRUE	0e+00	0.0e+00	KCTD18;KCTD18
cg19776080	TRUE	0e+00	0.0e+00	DSCAM
cg00674679	TRUE	0e+00	0.0e+00	
cg10067743	TRUE	0e+00	0.0e+00	SFRS18;SFRS18
cg00334370	TRUE	0e+00	0.0e+00	HEXA;HEXA;C15orf34
cg02228185	TRUE	0e+00	0.0e+00	ASPA;ASPA
cg20314331	TRUE	0e+00	0.0e+00	PTPN18;PTPN18
cg14870242	TRUE	0e+00	0.0e+00	SAMD4A;SAMD4A
cg11270233	TRUE	0e+00	0.0e+00	C8orf33
cg06966113	TRUE	0e+00	0.0e+00	
cg23432345	TRUE	0e+00	0.0e+00	HOXA7
cg03786924	TRUE	0e+00	0.0e+00	KCNQ5;KCNQ5;KCNQ5;KCNQ5;KCNQ5;KCNQ5;KCNQ5;KCNQ5;KCNQ5
cg09150633	TRUE	0e+00	0.0e+00	ADRB2;ADRB2
cg15651267	TRUE	0e+00	0.0e+00	ODZ2
cg02562122	TRUE	0e+00	0.0e+00	CDK5;SLC4A2;CDK5
cg12627202	TRUE	0e+00	0.0e+00	DOCK2
cg24638326	TRUE	0e+00	0.0e+00	C1orf92
cg11716665	TRUE	0e+00	0.0e+00	SLC6A7;SLC6A7
cg07837434	TRUE	0e+00	0.0e+00	MCM3
cg22143209	FALSE	0e+00	0.0e+00	SDK1;SDK1
cg19723459	TRUE	0e+00	0.0e+00	IQCD;TPCN1;TPCN1
cg23800435	TRUE	0e+00	0.0e+00	C1orf210;C1orf210
cg06396656	TRUE	0e+00	0.0e+00	PDE3B;PSMA1
cg14373611	TRUE	0e+00	0.0e+00	GJB6;GJB6;GJB6;GJB6
cg15812348	TRUE	0e+00	0.0e+00	FEZF2
cg00687095	TRUE	0e+00	0.0e+00	RFWD2;RFWD2
cg10066534	TRUE	0e+00	0.0e+00	TCF21;TCF21
cg12131208	TRUE	0e+00	0.0e+00	C17orf64
cg18454990	TRUE	0e+00	0.0e+00	C7orf50;C7orf50;C7orf50
cg25510687	TRUE	0e+00	0.0e+00	
cg01189606	TRUE	0e+00	0.0e+00	PLXNB1;PLXNB1
cg01389409	TRUE	0e+00	0.0e+00	ZNF786
cg21802726	TRUE	0e+00	0.0e+00	EDEM2;EDEM2;EDEM2
cg09867268	TRUE	0e+00	0.0e+00	
cg04005707	TRUE	0e+00	0.0e+00	CWH43;CWH43
cg16719299	TRUE	0e+00	0.0e+00	C12orf59
cg01044731	TRUE	0e+00	0.0e+00	
cg05882878	TRUE	0e+00	0.0e+00	CEBPZ;C2orf56;C2orf56;C2orf56;C2orf56
cg27064981	TRUE	0e+00	0.0e+00	UNC45A;UNC45A;UNC45A
cg16593060	TRUE	0e+00	0.0e+00	
cg10046127	TRUE	0e+00	0.0e+00	MUDENG;MUDENG;MUDENG;EXOC5

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg05452625	FALSE	0e+00	0.0e+00	WNT8B
cg24185864	TRUE	0e+00	0.0e+00	MIR124-1;LOC157627
cg03951132	TRUE	0e+00	0.0e+00	MCM8;MCM8;MCM8;MCM8;TRMT6
cg05325182	TRUE	0e+00	0.0e+00	ZSWIM4
cg20431080	TRUE	0e+00	0.0e+00	ZNF777
cg19328485	TRUE	0e+00	0.0e+00	AKR1C2;AKR1C2
cg07805345	TRUE	0e+00	0.0e+00	PTH1R
cg11544657	TRUE	0e+00	0.0e+00	CTNNBIP1;CTNNBIP1
cg27500298	TRUE	0e+00	0.0e+00	MED1
cg06779110	TRUE	0e+00	0.0e+00	C14orf23;C14orf23
cg26821745	TRUE	0e+00	0.0e+00	
cg17143565	TRUE	0e+00	0.0e+00	SLFN5
cg08776619	TRUE	0e+00	0.0e+00	HHATL;HHATL
cg02795151	TRUE	0e+00	0.0e+00	POLR2A
cg08975803	TRUE	0e+00	0.0e+00	KRT7
cg20116166	TRUE	0e+00	0.0e+00	DNAJC3
cg03595861	TRUE	0e+00	0.0e+00	
cg13662121	TRUE	0e+00	0.0e+00	CDKN1A;CDKN1A
cg20672711	TRUE	0e+00	0.0e+00	
cg23069444	TRUE	0e+00	0.0e+00	C2orf68
cg22178613	TRUE	0e+00	0.0e+00	SFRP2
cg05050657	TRUE	0e+00	0.0e+00	
cg14912644	TRUE	0e+00	0.0e+00	
cg05577173	TRUE	0e+00	0.0e+00	PAPD4;PAPD4;PAPD4;PAPD4
cg08963122	TRUE	0e+00	0.0e+00	FAM161A
cg22185977	TRUE	0e+00	0.0e+00	LPCAT1
cg26450188	TRUE	0e+00	0.0e+00	PPP5C
cg11231349	TRUE	0e+00	0.0e+00	NOS1AP;NOS1AP
cg10782349	TRUE	0e+00	0.0e+00	ZNF701;ZNF701
cg18316386	TRUE	0e+00	0.0e+00	XRCC6BP1
cg17241550	TRUE	0e+00	0.0e+00	NDC80;METTL4;METTL4
cg00467420	TRUE	0e+00	0.0e+00	ADARB2;ADARB2
cg03262554	TRUE	0e+00	0.0e+00	
cg13777411	TRUE	0e+00	0.0e+00	HPS5;HPS5;GTF2H1;GTF2H1;GTF2H1;GTF2H1;HPS5
cg08597761	TRUE	0e+00	0.0e+00	HYDIN;HYDIN;HYDIN;HYDIN
cg26130581	TRUE	0e+00	0.0e+00	ITGA2B
cg22360678	TRUE	0e+00	0.0e+00	
cg06752365	TRUE	0e+00	0.0e+00	
cg24342270	TRUE	0e+00	0.0e+00	PARK7;PARK7;PARK7
cg03677924	TRUE	0e+00	0.0e+00	MIP
cg01069170	FALSE	0e+00	0.0e+00	ETHE1
cg08976874	TRUE	0e+00	0.0e+00	
cg06235847	TRUE	0e+00	0.0e+00	PLA2G16;PLA2G16
cg06564875	TRUE	0e+00	0.0e+00	
cg05642143	TRUE	0e+00	0.0e+00	GNMT
cg13654902	TRUE	0e+00	0.0e+00	CATSPERG
cg22031522	TRUE	0e+00	0.0e+00	FCGBP
cg00350503	TRUE	0e+00	0.0e+00	CACNA1A;CACNA1A
cg17679453	TRUE	0e+00	0.0e+00	WNT5A
cg18100436	TRUE	0e+00	0.0e+00	PLEKHB1;PLEKHB1;PLEKHB1;PLEKHB1
cg00492741	FALSE	0e+00	0.0e+00	CBFA2T3
cg10537699	TRUE	0e+00	0.0e+00	

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg00095523	TRUE	0e+00	0.0e+00	
cg13836627	TRUE	0e+00	0.0e+00	TJP1;TJP1
cg09214920	TRUE	0e+00	0.0e+00	SLC25A24
cg04696149	TRUE	0e+00	0.0e+00	
cg16166796	TRUE	0e+00	0.0e+00	PTPRN
cg25355987	TRUE	0e+00	0.0e+00	UBL7;UBL7
cg02004621	TRUE	0e+00	0.0e+00	KLC4;KLC4;KLC4;MRPL2;KLC4
cg02132003	TRUE	0e+00	0.0e+00	ANAPC11;ANAPC11;ANAPC11;ANAPC11;ANAPC11;ANAPC11;ANAPC11;ANAPC11
cg07856758	TRUE	0e+00	0.0e+00	ZNF527
cg09358454	TRUE	0e+00	0.0e+00	
cg26824006	TRUE	0e+00	0.0e+00	
cg20374054	TRUE	0e+00	0.0e+00	ROBO3
cg24234117	TRUE	0e+00	0.0e+00	ZAR1L
cg18912981	TRUE	0e+00	0.0e+00	C1GALT1
cg19728978	TRUE	0e+00	0.0e+00	USP42
cg04162153	TRUE	0e+00	0.0e+00	BTBD16
cg06826039	TRUE	0e+00	0.0e+00	PPP1R15B
cg25048751	TRUE	0e+00	0.0e+00	
cg00971834	TRUE	0e+00	0.0e+00	COL13A1;COL13A1;COL13A1;COL13A1;COL13A1;COL13A1;COL13A1;COL13A1
cg09525112	TRUE	0e+00	0.0e+00	NKAIN3
cg07235253	TRUE	0e+00	0.0e+00	ZNF655;ZNF655;ZNF655;ZNF655;ZNF655;ZNF655;ZNF655;ZNF655
cg07250080	TRUE	0e+00	0.0e+00	PSMB9;PSMB9;TAP1
cg21372200	TRUE	0e+00	0.0e+00	RASSF1;RASSF1;RASSF1;RASSF1
cg03129910	TRUE	0e+00	0.0e+00	SRP72
cg15644404	FALSE	0e+00	0.0e+00	NFATC1;NFATC1;NFATC1;NFATC1;NFATC1
cg02028970	TRUE	0e+00	0.0e+00	HNRNPUL1;HNRNPUL1
cg11027127	TRUE	0e+00	0.0e+00	C17orf42
cg15838288	TRUE	0e+00	0.0e+00	WNT3A
cg23039807	TRUE	0e+00	0.0e+00	
cg22311942	TRUE	0e+00	0.0e+00	NUP85
cg07961283	TRUE	0e+00	0.0e+00	RUNX1;RUNX1;RUNX1
cg03149313	TRUE	0e+00	0.0e+00	PARP1
cg03790250	TRUE	0e+00	0.0e+00	SLIT2
cg17318645	TRUE	0e+00	0.0e+00	GSTZ1;POMT2;GSTZ1;GSTZ1
cg18856632	TRUE	0e+00	0.0e+00	
cg04128967	TRUE	0e+00	0.0e+00	
cg05306040	TRUE	0e+00	0.0e+00	FRAS1;FRAS1
cg02344868	TRUE	0e+00	0.0e+00	NCCRP1
cg26396617	TRUE	0e+00	0.0e+00	FIBCD1;FIBCD1
cg21400296	TRUE	0e+00	0.0e+00	NCKAP5;NCKAP5
cg25425705	TRUE	0e+00	0.0e+00	
cg26878870	TRUE	0e+00	0.0e+00	ZNF608;ZNF608
cg09537620	TRUE	0e+00	0.0e+00	PAX6;PAX6;PAX6
cg08587802	TRUE	0e+00	0.0e+00	
cg11748417	TRUE	0e+00	0.0e+00	LOC388789
cg02135395	TRUE	0e+00	0.0e+00	STC2
cg21248305	TRUE	0e+00	0.0e+00	TRIM15
cg10482920	TRUE	0e+00	0.0e+00	CAMK4
cg24819738	TRUE	0e+00	0.0e+00	NR2C2AP
cg03099780	TRUE	0e+00	0.0e+00	
cg19628694	TRUE	0e+00	0.0e+00	ABCE1;ANAPC10;ANAPC10;ABCE1;ABCE1;ABCE1
cg07743799	TRUE	0e+00	0.0e+00	FAM113A;VPS16;VPS16



CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg13154413	TRUE	0e+00	0.0e+00	ZFYVE21
cg18366169	TRUE	0e+00	0.0e+00	
cg04643103	TRUE	0e+00	0.0e+00	VPS45
cg19939065	TRUE	0e+00	0.0e+00	LSAMP
cg00126034	TRUE	0e+00	0.0e+00	WNT3
cg00065071	TRUE	0e+00	0.0e+00	ST7L;CAPZA1;ST7L;ST7L;CAPZA1;ST7L
cg10919398	TRUE	0e+00	0.0e+00	BRD2;BRD2
cg03182113	TRUE	0e+00	0.0e+00	MYH14;MYH14;MYH14
cg16068336	TRUE	0e+00	0.0e+00	CACNA1G;CACNA1G;CACNA1G;CACNA1G;CACNA1G;CACNA1G;CACNA1G;CACNA1G
cg08065231	TRUE	0e+00	0.0e+00	ZNF177
cg09935994	TRUE	0e+00	0.0e+00	ARL4C
cg11631158	TRUE	0e+00	0.0e+00	SHISA2
cg19357918	TRUE	0e+00	0.0e+00	STIP1
cg00954230	TRUE	0e+00	0.0e+00	
cg08789022	TRUE	0e+00	0.0e+00	SLC30A3
cg23683501	TRUE	0e+00	0.0e+00	PAQR8
cg10470489	TRUE	0e+00	0.0e+00	ANK1
cg01420688	TRUE	0e+00	0.0e+00	
cg17417191	TRUE	0e+00	0.0e+00	RRP15
cg01275297	TRUE	0e+00	0.0e+00	TGIF2
cg10845251	TRUE	0e+00	0.0e+00	NR2C2AP
cg10810819	TRUE	0e+00	0.0e+00	SH3BP4
cg06611744	TRUE	0e+00	0.0e+00	RASL11A;RASL11A
cg17109036	TRUE	0e+00	0.0e+00	FAM150B
cg01014179	TRUE	0e+00	0.0e+00	FBXO36;TRIP12
cg11761728	TRUE	0e+00	0.0e+00	
cg26705266	TRUE	0e+00	0.0e+00	ANO1
cg16646909	TRUE	0e+00	0.0e+00	ZNF790
cg13920278	TRUE	0e+00	0.0e+00	
cg14871856	TRUE	0e+00	0.0e+00	GTF2E2
cg04081651	TRUE	0e+00	0.0e+00	MAP3K8
cg01222684	TRUE	0e+00	0.0e+00	TTC1
cg19238058	TRUE	0e+00	0.0e+00	
cg15845792	TRUE	0e+00	0.0e+00	
cg07725970	TRUE	0e+00	0.0e+00	FGFR1OP2;C12orf11
cg07163173	TRUE	0e+00	0.0e+00	ETAA1
cg18222913	TRUE	0e+00	0.0e+00	TMEM132C
cg16348491	TRUE	0e+00	0.0e+00	MYL12B;MYL12B;MYL12B;MYL12B;MYL12B
cg16628093	TRUE	0e+00	0.0e+00	CALCRL
cg21759268	TRUE	0e+00	0.0e+00	ZNF418
cg18045831	TRUE	0e+00	0.0e+00	MRTO4;KIAA0090
cg02054108	TRUE	0e+00	0.0e+00	USP34
cg14934413	TRUE	0e+00	0.0e+00	
cg20728639	TRUE	0e+00	0.0e+00	ABTB2
cg22455450	TRUE	0e+00	0.0e+00	ZNF808
cg17310611	TRUE	0e+00	0.0e+00	LRIG2
cg01090930	TRUE	0e+00	0.0e+00	DHX30;DHX30;MIR1226
cg13492826	TRUE	0e+00	0.0e+00	ATP10A
cg10505257	TRUE	0e+00	0.0e+00	MGRN1;MGRN1;MGRN1;MGRN1
cg05502645	TRUE	0e+00	0.0e+00	CSNK1G2
cg07734253	TRUE	0e+00	0.0e+00	CORO1A
cg12420283	TRUE	0e+00	0.0e+00	

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg24339197	TRUE	0e+00	0.0e+00	CABP1;CABP1;CABP1
cg13792075	TRUE	0e+00	0.0e+00	ABCC5;ABCC5
cg24853724	TRUE	0e+00	0.0e+00	TRIL
cg10400937	TRUE	0e+00	0.0e+00	ZNF790
cg11443787	TRUE	0e+00	0.0e+00	MLLT10;MLLT10
cg05907386	TRUE	0e+00	0.0e+00	QPCTL;QPCTL;QPCTL;SNRPD2;QPCTL;SNRPD2
cg19927257	TRUE	0e+00	0.0e+00	RUSC1;RUSC1;RUSC1;C1orf104;RUSC1
cg00533923	TRUE	0e+00	0.0e+00	RWDD1;RWDD1;RWDD1
cg00295887	TRUE	0e+00	0.0e+00	ZNF252;C8orf77
cg08328483	TRUE	0e+00	0.0e+00	BCKDK;BCKDK
cg18035291	TRUE	0e+00	0.0e+00	HMGB1
cg09614653	TRUE	0e+00	0.0e+00	
cg03431741	TRUE	0e+00	0.0e+00	FOXP4;FOXP4;FOXP4
cg05217468	TRUE	0e+00	0.0e+00	TUBB
cg17349199	TRUE	0e+00	0.0e+00	C10orf82;C10orf82
cg14118515	TRUE	0e+00	0.0e+00	EVX2
cg10842080	TRUE	0e+00	0.0e+00	RNF126P1
cg19691797	TRUE	0e+00	0.0e+00	TMEM66
cg02909042	TRUE	0e+00	0.0e+00	MAPK1IP1L
cg04355037	TRUE	0e+00	0.0e+00	OBFC1
cg15971010	TRUE	0e+00	0.0e+00	SLC47A1
cg02577651	TRUE	0e+00	0.0e+00	PARP3;RRP9;PARP3;PARP3;PARP3
cg17519156	TRUE	0e+00	0.0e+00	
cg10578387	TRUE	0e+00	0.0e+00	
cg20939084	TRUE	0e+00	0.0e+00	ZIC4;ZIC4;ZIC4;ZIC4;ZIC4
cg23243994	TRUE	0e+00	0.0e+00	LUC7L2
cg14674720	TRUE	0e+00	0.0e+00	
cg16144367	TRUE	0e+00	0.0e+00	HEATR1
cg10541887	TRUE	0e+00	0.0e+00	
cg06704539	TRUE	0e+00	0.0e+00	ALKBH4;LRWD1
cg13830203	TRUE	0e+00	0.0e+00	EOMES
cg18580265	TRUE	0e+00	0.0e+00	EPHX3;EPHX3;EPHX3
cg25841159	TRUE	0e+00	0.0e+00	FOXJ1
cg22603562	TRUE	0e+00	0.0e+00	MYBPC2
cg17896927	TRUE	0e+00	0.0e+00	RGMA;RGMA;RGMA;RGMA;RGMA;RGMA
cg06957169	TRUE	0e+00	0.0e+00	GPATCH4;GPATCH4
cg14601550	TRUE	0e+00	0.0e+00	GHDC;GHDC;GHDC;GHDC;GHDC;GHDC
cg19956166	TRUE	0e+00	0.0e+00	ATOH8
cg06375085	TRUE	0e+00	0.0e+00	RASSF1;RASSF1;RASSF1;RASSF1
cg12918536	TRUE	0e+00	0.0e+00	
cg02491017	TRUE	0e+00	0.0e+00	HOXC4;HOXC6;HOXC5
cg02649248	TRUE	0e+00	0.0e+00	GPR123
cg21332277	TRUE	0e+00	0.0e+00	
cg02415717	FALSE	0e+00	0.0e+00	KPNB1;KPNB1
cg21817012	TRUE	0e+00	0.0e+00	SLAMF9;SLAMF9;SLAMF9
cg09355528	TRUE	0e+00	0.0e+00	COL13A1;COL13A1;COL13A1;COL13A1;COL13A1;COL13A1
cg07944381	TRUE	0e+00	0.0e+00	DDAH2
cg08812108	FALSE	0e+00	0.0e+00	
cg05300378	TRUE	0e+00	0.0e+00	
cg11408517	TRUE	0e+00	0.0e+00	LATS1
cg13537196	TRUE	0e+00	0.0e+00	C9orf93
cg26053083	TRUE	0e+00	0.0e+00	

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg08205865	TRUE	0e+00	0.0e+00	ADCY10;ADCY10;ADCY10;ADCY10
cg13706544	TRUE	0e+00	0.0e+00	LHFPL3
cg26965639	TRUE	0e+00	0.0e+00	TRPV5
cg13394491	TRUE	0e+00	0.0e+00	FBXL7
cg06829299	TRUE	0e+00	0.0e+00	
cg10989763	TRUE	0e+00	0.0e+00	NXPH2
cg23087020	TRUE	0e+00	0.0e+00	POU2F1
cg02366228	TRUE	0e+00	0.0e+00	
cg14060441	TRUE	0e+00	0.0e+00	PELI1
cg05164570	TRUE	0e+00	0.0e+00	HARS;HARS2;HARS2
cg21483475	TRUE	0e+00	0.0e+00	DHX36;DHX36
cg21477232	TRUE	0e+00	0.0e+00	COL4A4
cg15321195	FALSE	0e+00	0.0e+00	AGPAT3
cg21575558	TRUE	0e+00	0.0e+00	TAF1A;TAF1A
cg11017226	TRUE	0e+00	0.0e+00	CCDC6;CCDC6
cg24140629	TRUE	0e+00	0.0e+00	SYPL1;SYPL1
cg25503559	TRUE	0e+00	0.0e+00	MRPL24;MRPL24
cg16028201	TRUE	0e+00	0.0e+00	KANK4;KANK4
cg15072871	TRUE	0e+00	0.0e+00	CUL4A;CUL4A;PCID2;PCID2;PCID2
cg17122311	TRUE	0e+00	0.0e+00	IL27
cg22662788	TRUE	0e+00	0.0e+00	PNPLA6;PNPLA6;PNPLA6;PNPLA6;PNPLA6;PNPLA6
cg26249331	TRUE	0e+00	0.0e+00	RPIA
cg10917547	TRUE	0e+00	0.0e+00	PCDHGA4;PCDHGA6;PCDHGA9;PCDHGA1;PCDHGA8;PCDHGA5;P
cg09690659	TRUE	0e+00	0.0e+00	TRPC4AP;TRPC4AP
cg03693911	TRUE	0e+00	0.0e+00	PPP2R2B;PPP2R2B;PPP2R2B;PPP2R2B;PPP2R2B;PPP2R2B;PPP2R
cg19410845	TRUE	0e+00	0.0e+00	SUCLG1
cg11814087	TRUE	0e+00	0.0e+00	ZFR
cg04787728	TRUE	0e+00	0.0e+00	NLRC3
cg01442257	TRUE	0e+00	0.0e+00	
cg08252934	TRUE	0e+00	0.0e+00	MECR;MECR;MECR;MECR
cg09016242	TRUE	0e+00	0.0e+00	SALL1;SALL1
cg14140830	TRUE	0e+00	0.0e+00	NBEAL2
cg11477977	TRUE	0e+00	0.0e+00	LEPROTL1;LEPROTL1
cg17718515	TRUE	0e+00	0.0e+00	IPO9
cg11945276	TRUE	0e+00	0.0e+00	
cg18589481	TRUE	0e+00	0.0e+00	KIAA1949;KIAA1949
cg18564928	TRUE	0e+00	0.0e+00	
cg01119512	TRUE	0e+00	0.0e+00	GRHL3
cg04215480	TRUE	0e+00	0.0e+00	ZNF573;ZNF573
cg06588087	TRUE	0e+00	0.0e+00	ARAP2
cg12827555	TRUE	0e+00	0.0e+00	VSX2
cg22015277	TRUE	0e+00	0.0e+00	
cg05529816	TRUE	0e+00	0.0e+00	CHRNE;C17orf107
cg12012932	TRUE	0e+00	0.0e+00	
cg20064106	TRUE	0e+00	0.0e+00	LOC100130691;AGPS
cg08660295	TRUE	0e+00	0.0e+00	
cg20227212	TRUE	0e+00	0.0e+00	BTG3;BTG3
cg01555122	TRUE	0e+00	0.0e+00	RTN4;RTN4;RTN4;RTN4
cg22784386	TRUE	0e+00	0.0e+00	SIM1
cg20054027	TRUE	0e+00	0.0e+00	RCE1;C11orf80;RCE1
cg22261880	TRUE	0e+00	0.0e+00	HAUS2;LRRC57;HAUS2
cg02658693	TRUE	0e+00	0.0e+00	RBPM5

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg04413320	TRUE	0e+00	0.0e+00	PCDH17
cg11892240	TRUE	0e+00	0.0e+00	NPY
cg02006324	TRUE	0e+00	0.0e+00	CSMD1
cg20276750	TRUE	0e+00	0.0e+00	PPM1M;PPM1M
cg15446990	TRUE	0e+00	0.0e+00	NKX2-6
cg03579107	TRUE	0e+00	0.0e+00	
cg13757194	TRUE	0e+00	0.0e+00	MIR548H4;NOX5;SPESP1
cg16347123	TRUE	0e+00	0.0e+00	
cg24314434	TRUE	0e+00	0.0e+00	FUT3;FUT3;FUT3;FUT3
cg25938227	TRUE	0e+00	0.0e+00	HIST1H2BD;HIST1H2BD;HIST1H1E
cg06618322	TRUE	0e+00	0.0e+00	AKAP13;AKAP13
cg13644317	TRUE	0e+00	0.0e+00	
cg11025829	TRUE	0e+00	0.0e+00	KCNQ1
cg08509991	TRUE	0e+00	0.0e+00	COL17A1
cg06281762	TRUE	0e+00	0.0e+00	C5orf54
cg02598978	TRUE	0e+00	0.0e+00	LOC81691;ERI2;LOC81691;LOC81691;ERI2;LOC81691
cg22935262	TRUE	0e+00	0.0e+00	LOC202181
cg02066925	TRUE	0e+00	0.0e+00	RASD2
cg19401408	TRUE	0e+00	0.0e+00	COX15;COX15;CUTC
cg19449935	TRUE	0e+00	0.0e+00	NUDT6;NUDT6;SPATA5
cg23484380	TRUE	0e+00	0.0e+00	NCR3;NCR3;NCR3
cg11585605	TRUE	0e+00	0.0e+00	RAB3B
cg11995741	TRUE	0e+00	0.0e+00	BRP44L
cg02570888	TRUE	0e+00	0.0e+00	
cg14176575	TRUE	0e+00	0.0e+00	BLCAP;BLCAP;BLCAP;BLCAP
cg18559579	TRUE	0e+00	0.0e+00	
cg22100476	TRUE	0e+00	0.0e+00	WDR65;WDR65;EBNA1BP2;EBNA1BP2;WDR65;WDR65;WDR65;WD
cg06823651	TRUE	0e+00	0.0e+00	EDN1;EDN1
cg04302628	TRUE	0e+00	0.0e+00	
cg24761668	TRUE	0e+00	0.0e+00	
cg27575217	TRUE	0e+00	0.0e+00	SCN8A
cg01169726	TRUE	0e+00	0.0e+00	DLX5
cg10041232	TRUE	0e+00	0.0e+00	CLIC1
cg21304285	TRUE	0e+00	0.0e+00	C1orf100
cg18969171	TRUE	0e+00	0.0e+00	PPP2R3C;KIAA0391
cg23056979	TRUE	0e+00	0.0e+00	PPP1R11
cg03783062	FALSE	0e+00	0.0e+00	C7orf63;C7orf63
cg26452915	TRUE	0e+00	0.0e+00	GNAS;GNAS;GNAS;GNAS;GNAS;GNAS;GNAS;GNAS
cg11891504	TRUE	0e+00	0.0e+00	HAUS4;HAUS4;HAUS4
cg11508714	TRUE	0e+00	0.0e+00	
cg10122294	TRUE	0e+00	0.0e+00	TSNAX-DISC1;DISC1;DISC1;DISC1;TSNAX-DISC1;DISC1;DISC1;DISC
cg10532262	TRUE	0e+00	0.0e+00	NCEH1;NCEH1;NCEH1;NCEH1
cg20602843	TRUE	0e+00	0.0e+00	RBP4
cg02250900	TRUE	0e+00	0.0e+00	DMXL2
cg08958015	TRUE	0e+00	0.0e+00	CCDC65;CCDC65
cg16668150	TRUE	0e+00	0.0e+00	OSGIN2;OSGIN2
cg25357525	TRUE	0e+00	0.0e+00	COX7C
cg17354303	TRUE	0e+00	0.0e+00	BARX1
cg14062643	TRUE	0e+00	0.0e+00	PIP5KL1;PIP5KL1
cg26602558	TRUE	0e+00	0.0e+00	
cg13468174	TRUE	0e+00	0.0e+00	ZNF584
cg05056325	TRUE	0e+00	0.0e+00	RASD1;RASD1

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg01485266	TRUE	0e+00	0.0e+00	GADD45B
cg00101457	TRUE	0e+00	0.0e+00	CUGBP2;CUGBP2;CUGBP2;CUGBP2
cg02971882	TRUE	0e+00	0.0e+00	UTP3
cg09763644	TRUE	0e+00	0.0e+00	PIGR
cg03024760	TRUE	0e+00	0.0e+00	GABRG3
cg23515892	TRUE	0e+00	0.0e+00	CNO
cg00461978	TRUE	0e+00	0.0e+00	MAN2C1
cg12073251	TRUE	0e+00	0.0e+00	EIF2C2;EIF2C2
cg14241731	TRUE	0e+00	0.0e+00	FLT1;FLT1;FLT1
cg06787873	FALSE	0e+00	0.0e+00	ZNF536
cg06132876	TRUE	0e+00	0.0e+00	C6orf25;C6orf25;C6orf25;C6orf25;C6orf25;C6orf25
cg10038250	TRUE	0e+00	0.0e+00	ASPG
cg23530288	TRUE	0e+00	0.0e+00	PSMD13;SIRT3;PSMD13;SIRT3
cg01449415	TRUE	0e+00	0.0e+00	ZNF213;ZNF213
cg16114773	TRUE	0e+00	0.0e+00	OTUD3
cg00046625	TRUE	0e+00	0.0e+00	PDE4B;PDE4B
cg14051264	TRUE	0e+00	0.0e+00	
cg01260106	TRUE	0e+00	0.0e+00	TBC1D2B;TBC1D2B
cg26076905	TRUE	0e+00	0.0e+00	PIK3R1
cg19240052	TRUE	0e+00	0.0e+00	C22orf32
cg02852651	TRUE	0e+00	0.0e+00	
cg10508416	TRUE	0e+00	0.0e+00	SLC6A12
cg04310649	TRUE	0e+00	0.0e+00	CREM;CREM;CREM;CREM;CREM;CREM;CREM;CREM
cg10096454	TRUE	0e+00	0.0e+00	LDB1
cg07720856	TRUE	0e+00	0.0e+00	PTMA;PTMA
cg07457967	TRUE	0e+00	0.0e+00	LOC643719
cg16001150	TRUE	0e+00	0.0e+00	
cg08494502	TRUE	0e+00	0.0e+00	EGLN2
cg21116579	TRUE	0e+00	0.0e+00	FBLN5
cg21659949	TRUE	0e+00	0.0e+00	PPIL2;PPIL2;PPIL2
cg01534217	TRUE	0e+00	0.0e+00	FOXP1;FOXP1
cg04250837	TRUE	0e+00	0.0e+00	TSNAX-DISC1;DISC1;DISC1;DISC1;TSNAX-DISC1;DISC1;DISC1;DISC1
cg00292047	TRUE	0e+00	0.0e+00	HIPK3;HIPK3
cg21028326	TRUE	0e+00	0.0e+00	TUBGCP6;TUBGCP6
cg15850155	TRUE	0e+00	0.0e+00	IGF2R
cg00483640	TRUE	0e+00	0.0e+00	C6orf195
cg11728900	TRUE	0e+00	0.0e+00	MCM10;MCM10
cg24383418	TRUE	0e+00	0.0e+00	
cg04406873	TRUE	0e+00	0.0e+00	
cg11402503	TRUE	0e+00	0.0e+00	IL28RA;IL28RA;IL28RA
cg00665971	TRUE	0e+00	0.0e+00	HRK
cg05660670	TRUE	0e+00	0.0e+00	PDE3A
cg07909059	TRUE	0e+00	0.0e+00	VPS45;VPS45
cg23942268	TRUE	0e+00	0.0e+00	FAM64A
cg12155013	TRUE	0e+00	0.0e+00	MIR130B;MIR301B
cg11930114	TRUE	0e+00	0.0e+00	LOC645323;LOC645323
cg01456571	TRUE	0e+00	0.0e+00	TNFRSF10D
cg16558358	TRUE	0e+00	0.0e+00	NARF;NARF;NARF;NARF
cg25036527	TRUE	0e+00	0.0e+00	APOL5
cg02235880	TRUE	0e+00	0.0e+00	FANCF
cg09572053	TRUE	0e+00	0.0e+00	NUDT3
cg00035937	TRUE	0e+00	0.0e+00	KRIT1;KRIT1;KRIT1;KRIT1;ANKIB1;KRIT1

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg03342130	TRUE	0e+00	0.0e+00	
cg14502994	TRUE	0e+00	0.0e+00	NXN
cg03405173	TRUE	0e+00	0.0e+00	ZNF441
cg21176643	TRUE	0e+00	0.0e+00	RFX4
cg08984836	TRUE	0e+00	0.0e+00	LOC151534;LBX2
cg15219393	TRUE	0e+00	0.0e+00	PPARGC1B;PPARGC1B
cg03024619	TRUE	0e+00	0.0e+00	GPR27;EIF4E3;EIF4E3
cg10431265	TRUE	0e+00	0.0e+00	FABP6;FABP6
cg20346165	TRUE	0e+00	0.0e+00	MAFB
cg21474665	TRUE	0e+00	0.0e+00	
cg17273416	TRUE	0e+00	0.0e+00	HOXC11
cg02641400	TRUE	0e+00	0.0e+00	SPTLC1;SPTLC1
cg15133018	TRUE	0e+00	0.0e+00	
cg10298215	TRUE	0e+00	0.0e+00	HLA-DQB2
cg09118258	TRUE	0e+00	0.0e+00	LMX1A
cg00826921	TRUE	0e+00	0.0e+00	C3orf58;C3orf58
cg05667348	TRUE	0e+00	0.0e+00	VAX1
cg02825450	TRUE	0e+00	0.0e+00	
cg20263901	TRUE	0e+00	0.0e+00	
cg02329670	TRUE	0e+00	0.0e+00	MIR497;MIR195
cg18522038	TRUE	0e+00	0.0e+00	
cg19419246	TRUE	0e+00	0.0e+00	
cg08368617	TRUE	0e+00	0.0e+00	
cg05171480	TRUE	0e+00	0.0e+00	EEF1DP3
cg21698840	TRUE	0e+00	0.0e+00	G3BP2;G3BP2;G3BP2
cg14286514	TRUE	0e+00	0.0e+00	DDX58
cg02684562	TRUE	0e+00	0.0e+00	
cg19594024	TRUE	0e+00	0.0e+00	ZNF584
cg07291958	TRUE	0e+00	0.0e+00	C2orf70
cg16370446	TRUE	0e+00	0.0e+00	LOC285550
cg14721981	TRUE	0e+00	0.0e+00	
cg11591636	TRUE	0e+00	0.0e+00	ZIC5
cg23542284	TRUE	0e+00	0.0e+00	NR2C2AP
cg14258504	TRUE	0e+00	0.0e+00	
cg06522288	TRUE	0e+00	0.0e+00	LOC100192378
cg11647481	FALSE	0e+00	0.0e+00	FOXK1
cg15233711	FALSE	0e+00	0.0e+00	ARNTL;ARNTL;ARNTL
cg03584544	TRUE	0e+00	0.0e+00	
cg10470282	TRUE	0e+00	0.0e+00	DDX54;DDX54;C12orf52
cg14902773	TRUE	0e+00	0.0e+00	
cg03513163	TRUE	0e+00	0.0e+00	PCDHB1
cg06101177	TRUE	0e+00	0.0e+00	ZSWIM6
cg26834010	TRUE	0e+00	0.0e+00	STYXL1;STYXL1;MDH2
cg06364629	TRUE	0e+00	0.0e+00	EIF2B4;SNX17;EIF2B4;EIF2B4
cg24717029	TRUE	0e+00	0.0e+00	PHLPP1
cg16570256	TRUE	0e+00	0.0e+00	
cg11482099	TRUE	0e+00	0.0e+00	PAX6;PAX6;PAX6
cg16224163	TRUE	0e+00	0.0e+00	LPP
cg24705286	TRUE	0e+00	0.0e+00	JMJD5;JMJD5;JMJD5
cg06957447	TRUE	0e+00	0.0e+00	
cg00860808	TRUE	0e+00	0.0e+00	
cg04265971	TRUE	0e+00	0.0e+00	RNF4

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg15083933	TRUE	0e+00	0.0e+00	BMPER
cg13610241	TRUE	0e+00	0.0e+00	EIF4G1;EIF4G1;EIF4G1;EIF4G1
cg01202666	TRUE	0e+00	0.0e+00	TWIST1
cg08819884	TRUE	0e+00	0.0e+00	TRNT1
cg04712122	TRUE	0e+00	0.0e+00	BCL11B;BCL11B
cg13883202	TRUE	0e+00	0.0e+00	PTPN23
cg07365960	TRUE	0e+00	0.0e+00	GRIN2C
cg11015497	TRUE	0e+00	0.0e+00	
cg17308959	TRUE	0e+00	0.0e+00	HACL1;HACL1;BTD
cg18556676	TRUE	0e+00	0.0e+00	
cg15585318	TRUE	0e+00	0.0e+00	WNT5A
cg06585804	TRUE	0e+00	0.0e+00	
cg22542731	TRUE	0e+00	0.0e+00	LIMS2
cg05470082	TRUE	0e+00	0.0e+00	
cg02063458	TRUE	0e+00	0.0e+00	
cg04308769	TRUE	0e+00	0.0e+00	NR5A2;NR5A2
cg09217609	TRUE	0e+00	0.0e+00	MOAP1;C14orf109;C14orf109
cg17954226	TRUE	0e+00	0.0e+00	APBB1IP
cg01554457	TRUE	0e+00	0.0e+00	RFX5;RFX5
cg16795184	TRUE	0e+00	0.0e+00	NUP93
cg11198309	TRUE	0e+00	0.0e+00	LIG4;ABHD13;LIG4
cg01420159	TRUE	0e+00	0.0e+00	
cg17110586	TRUE	0e+00	0.0e+00	
cg09365446	TRUE	0e+00	0.0e+00	GOLPH3L
cg02878461	TRUE	0e+00	0.0e+00	CLIP3
cg12229172	TRUE	0e+00	0.0e+00	MGST2;MGST2
cg14326460	TRUE	0e+00	0.0e+00	CPZ;CPZ;CPZ
cg01021743	TRUE	0e+00	0.0e+00	
cg18455653	TRUE	0e+00	0.0e+00	RRBP1;RRBP1;RRBP1;RRBP1
cg07025343	TRUE	0e+00	0.0e+00	ZDHHC22
cg26531014	TRUE	0e+00	0.0e+00	SEPT7;SEPT7
cg25731261	TRUE	0e+00	0.0e+00	BBC3;BBC3;BBC3;BBC3;BBC3;BBC3
cg24127244	TRUE	0e+00	0.0e+00	SRPRB
cg17755923	TRUE	0e+00	0.0e+00	EPHA2
cg10810847	TRUE	0e+00	0.0e+00	SLC8A2
cg11692409	TRUE	0e+00	0.0e+00	SERPINF1
cg07793810	TRUE	0e+00	0.0e+00	CHUK
cg16116203	TRUE	0e+00	0.0e+00	PTMS
cg18297044	TRUE	0e+00	0.0e+00	
cg05576451	TRUE	0e+00	0.0e+00	HYLS1;HYLS1
cg02301754	FALSE	0e+00	0.0e+00	VPS72;TMOD4
cg00673251	TRUE	0e+00	0.0e+00	ECHDC3
cg07092805	TRUE	0e+00	0.0e+00	CRYL1
cg12134716	TRUE	0e+00	0.0e+00	RHOC;RHOC;RHOC
cg16142265	TRUE	0e+00	0.0e+00	DUSP12
cg04873961	TRUE	0e+00	0.0e+00	C2orf42
cg27441858	TRUE	0e+00	0.0e+00	DCUN1D5;DCUN1D5
cg10984178	TRUE	0e+00	0.0e+00	
cg21752471	TRUE	0e+00	0.0e+00	PHF15
cg09597470	TRUE	0e+00	0.0e+00	NCKAP5;NCKAP5
cg26976187	TRUE	0e+00	0.0e+00	DDX41
cg23454038	TRUE	0e+00	0.0e+00	FOXD1;FOXD1

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg09305770	TRUE	0e+00	0.0e+00	HIST1H4A;HIST1H3A
cg26188571	TRUE	0e+00	0.0e+00	HNRNPH1
cg01290229	TRUE	0e+00	0.0e+00	ADD2;ADD2;ADD2;ADD2;ADD2;ADD2;ADD2;ADD2;ADD2
cg05884522	TRUE	0e+00	0.0e+00	NOL7
cg21932255	TRUE	0e+00	0.0e+00	HOXB9
cg02448743	TRUE	0e+00	0.0e+00	KAZALD1
cg24369185	TRUE	0e+00	0.0e+00	
cg01967399	TRUE	0e+00	0.0e+00	HAND2
cg05789837	TRUE	0e+00	0.0e+00	DUSP6;DUSP6
cg04755607	TRUE	0e+00	0.0e+00	CPEB3
cg05514257	TRUE	0e+00	0.0e+00	
cg07854959	TRUE	0e+00	0.0e+00	IGF2BP1;IGF2BP1
cg10702645	TRUE	0e+00	0.0e+00	MANEAL;MANEAL
cg24028120	TRUE	0e+00	0.0e+00	C19orf40;CCDC123
cg01195198	FALSE	0e+00	0.0e+00	ROCK1
cg07748217	TRUE	0e+00	0.0e+00	FOXL1;FOXL1
cg12277310	TRUE	0e+00	0.0e+00	ZRANB2;ZRANB2
cg22639293	TRUE	0e+00	0.0e+00	GRK7
cg06787487	TRUE	0e+00	0.0e+00	BIK
cg21396998	TRUE	0e+00	0.0e+00	TAP2;TAP2
cg13234863	TRUE	0e+00	0.0e+00	TMEM132D
cg09852920	TRUE	0e+00	0.0e+00	COL1A1
cg08113034	TRUE	0e+00	0.0e+00	DAAM1
cg24023916	TRUE	0e+00	0.0e+00	
cg22634633	TRUE	0e+00	0.0e+00	SUNC1;SUNC1
cg12244756	TRUE	0e+00	0.0e+00	BAT1;SNORD84;BAT1
cg11363444	TRUE	0e+00	0.0e+00	
cg21923990	TRUE	0e+00	0.0e+00	KANK3
cg25454755	TRUE	0e+00	0.0e+00	NR4A3;NR4A3;NR4A3;NR4A3;NR4A3;NR4A3
cg17464982	TRUE	0e+00	0.0e+00	
cg07236594	TRUE	0e+00	0.0e+00	
cg01146943	TRUE	0e+00	0.0e+00	DLEU7
cg13799242	TRUE	0e+00	0.0e+00	HEY2
cg08582555	TRUE	0e+00	0.0e+00	FLJ39582;THAP7;THAP7;FLJ39582
cg07582825	TRUE	0e+00	0.0e+00	
cg02729030	TRUE	0e+00	0.0e+00	IMMP2L
cg00510598	TRUE	0e+00	0.0e+00	IRX6
cg00402068	TRUE	0e+00	0.0e+00	MT1X;MT1X
cg23026864	TRUE	0e+00	0.0e+00	PCDHA7;PCDHA12;PCDHA6;PCDHAC1;PCDHA10;PCDHA4;PCDHA
cg04151220	TRUE	0e+00	0.0e+00	TRIM31
cg23623107	TRUE	0e+00	0.0e+00	IWS1
cg13413982	TRUE	0e+00	0.0e+00	
cg24879882	TRUE	0e+00	0.0e+00	GBX1
cg04044418	TRUE	0e+00	0.0e+00	ZNF276;ZNF276
cg01091951	TRUE	0e+00	0.0e+00	
cg24663798	TRUE	0e+00	0.0e+00	
cg09643587	TRUE	0e+00	0.0e+00	CD47;CD47;CD47
cg22706505	TRUE	0e+00	0.0e+00	MPP4;MPP4
cg03837627	TRUE	0e+00	0.0e+00	CCDC55;MIR423
cg14631333	TRUE	0e+00	0.0e+00	KIAA0415
cg13196962	TRUE	0e+00	0.0e+00	PEX13;PUS10
cg16362983	TRUE	0e+00	0.0e+00	



CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg00585551	TRUE	0e+00	0.0e+00	RAB40C
cg16022904	TRUE	0e+00	0.0e+00	RPS6KA1
cg08032197	TRUE	0e+00	0.0e+00	CBR3
cg14787290	TRUE	0e+00	0.0e+00	GDAP2;GDAP2;WDR3
cg11507926	TRUE	0e+00	0.0e+00	ACOX1;ACOX1;C17orf106
cg17674090	TRUE	0e+00	0.0e+00	ITGA1;PELO
cg09251429	TRUE	0e+00	0.0e+00	ROBO3
cg00020991	TRUE	0e+00	0.0e+00	CBR4
cg17840501	TRUE	0e+00	0.0e+00	SEPT9;SEPT9;SEPT9;SEPT9;SEPT9
cg26490839	TRUE	0e+00	0.0e+00	RPS11
cg26408609	TRUE	0e+00	0.0e+00	ADAM22;ADAM22;ADAM22;ADAM22;ADAM22
cg10203523	TRUE	0e+00	0.0e+00	MRFAP1L1
cg13172254	TRUE	0e+00	0.0e+00	PIGF;CRIP1;PIGF
cg16579347	TRUE	0e+00	0.0e+00	SLC33A1
cg08946615	TRUE	0e+00	0.0e+00	SNORD50B;SNORD50A;SNHG5
cg12811419	TRUE	0e+00	0.0e+00	TMEM214;TMEM214
cg27542512	TRUE	0e+00	0.0e+00	RPS27
cg05471775	TRUE	0e+00	0.0e+00	HIST1H4B
cg12843448	TRUE	0e+00	0.0e+00	
cg00166327	TRUE	0e+00	0.0e+00	PIBF1;DIS3;DIS3;DIS3;DIS3
cg03674282	TRUE	0e+00	0.0e+00	FHL2
cg06792417	TRUE	0e+00	0.0e+00	
cg08822891	TRUE	0e+00	0.0e+00	SNX29
cg11178293	TRUE	0e+00	0.0e+00	FEZF2
cg26205771	TRUE	0e+00	0.0e+00	NPBWR1
cg08153160	TRUE	0e+00	0.0e+00	IGF2BP3
cg21893846	TRUE	0e+00	0.0e+00	LMBRD2;SKP2;SKP2
cg03857186	TRUE	0e+00	0.0e+00	TMEM214;TMEM214
cg05105745	TRUE	0e+00	0.0e+00	ATP11A;ATP11A
cg07196758	TRUE	0e+00	0.0e+00	EFNA3
cg05176991	TRUE	0e+00	0.0e+00	KCTD1;KCTD1;KCTD1
cg11903197	TRUE	0e+00	0.0e+00	
cg01003015	TRUE	0e+00	0.0e+00	VIM
cg16815825	TRUE	0e+00	0.0e+00	LRRC40;SFRS11
cg23077029	TRUE	0e+00	0.0e+00	
cg14063191	TRUE	0e+00	0.0e+00	ZDHHC12
cg23012527	TRUE	0e+00	0.0e+00	
cg22188495	TRUE	0e+00	0.0e+00	PRICKLE1
cg08592234	TRUE	0e+00	0.0e+00	
cg24237081	TRUE	0e+00	0.0e+00	SOX5;SOX5
cg05729731	TRUE	0e+00	0.0e+00	TAP2;TAP2
cg26272228	FALSE	0e+00	0.0e+00	ALG14;ALG14
cg12025996	TRUE	0e+00	0.0e+00	FAM133B;FAM133B
cg00548268	TRUE	0e+00	0.0e+00	NPTX2
cg20633621	TRUE	0e+00	0.0e+00	GAS2L1;GAS2L1;GAS2L1
cg14092529	TRUE	0e+00	0.0e+00	LOC728411;LOC728411;LOC728411
cg07931024	TRUE	0e+00	0.0e+00	RAE1;RAE1
cg04347158	TRUE	0e+00	0.0e+00	MBOAT7;MBOAT7;MBOAT7;MBOAT7
cg01541867	TRUE	0e+00	0.0e+00	
cg10181192	TRUE	0e+00	0.0e+00	
cg14919823	TRUE	0e+00	0.0e+00	TMEM43;CHCHD4;CHCHD4;TMEM43
cg17650028	TRUE	0e+00	0.0e+00	SLC6A19;SLC6A19

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg21254171	TRUE	0e+00	0.0e+00	MRPL1;MRPL1
cg03820909	TRUE	0e+00	0.0e+00	C10orf137
cg18916060	TRUE	0e+00	0.0e+00	
cg06464369	TRUE	0e+00	0.0e+00	
cg01889020	TRUE	0e+00	0.0e+00	MEGF11
cg04943661	TRUE	0e+00	0.0e+00	
cg03080142	TRUE	0e+00	0.0e+00	
cg13743091	TRUE	0e+00	0.0e+00	RALGPS1
cg15748507	TRUE	0e+00	0.0e+00	PRLHR
cg14234112	TRUE	0e+00	0.0e+00	
cg02013838	TRUE	0e+00	0.0e+00	
cg06661450	TRUE	0e+00	0.0e+00	LHX9;LHX9
cg04229986	TRUE	0e+00	0.0e+00	
cg27438040	TRUE	0e+00	0.0e+00	BCLAF1;BCLAF1;BCLAF1
cg09824563	TRUE	0e+00	0.0e+00	LARS2
cg22075475	TRUE	0e+00	0.0e+00	PSMC3
cg03559682	TRUE	0e+00	0.0e+00	APBB1;APBB1
cg21364150	FALSE	0e+00	0.0e+00	DUSP19;DUSP19;DUSP19;DUSP19
cg24333206	TRUE	0e+00	0.0e+00	SLC25A36;SLC25A36
cg01508386	TRUE	0e+00	0.0e+00	GORAB;GORAB;GORAB
cg12928619	TRUE	0e+00	0.0e+00	WDR54
cg04498082	TRUE	0e+00	0.0e+00	
cg11789804	TRUE	0e+00	0.0e+00	
cg23687288	FALSE	0e+00	0.0e+00	
cg26018827	TRUE	0e+00	0.0e+00	GEN1;SMC6;GEN1;SMC6;GEN1
cg06471296	TRUE	0e+00	0.0e+00	
cg08266202	TRUE	0e+00	0.0e+00	PRDM16;PRDM16
cg00604209	TRUE	0e+00	0.0e+00	STK32A;STK32A;STK32A;STK32A
cg16790239	TRUE	0e+00	0.0e+00	MC1R;MC1R
cg14202757	TRUE	0e+00	0.0e+00	RBP7
cg05281894	TRUE	0e+00	0.0e+00	PDPN;PDPN;PDPN;PDPN
cg10546149	TRUE	0e+00	0.0e+00	
cg01929699	TRUE	0e+00	0.0e+00	MIR548F5;DCLK1
cg09163958	TRUE	0e+00	0.0e+00	VASH2;VASH2;VASH2;VASH2;VASH2;VASH2
cg10111759	TRUE	0e+00	0.0e+00	RORC;RORC
cg23627990	TRUE	0e+00	0.0e+00	TSPAN3;TSPAN3;TSPAN3
cg15597424	TRUE	0e+00	0.0e+00	
cg03218988	TRUE	0e+00	0.0e+00	EEF1G
cg03333634	TRUE	0e+00	0.0e+00	
cg26675654	TRUE	0e+00	0.0e+00	
cg16782807	TRUE	0e+00	0.0e+00	SLC32A1
cg23421023	TRUE	0e+00	0.0e+00	ZMAT4;ZMAT4
cg21933021	TRUE	0e+00	0.0e+00	C1orf109
cg05872706	TRUE	0e+00	0.0e+00	
cg19518232	TRUE	0e+00	0.0e+00	C4orf3;C4orf3
cg01425188	TRUE	0e+00	0.0e+00	
cg24268236	TRUE	0e+00	0.0e+00	CEP63;ANAPC13;ANAPC13;CEP63;ANAPC13;CEP63;CEP63
cg08369436	TRUE	0e+00	0.0e+00	SNRPB2;SNRPB2
cg01857475	TRUE	0e+00	0.0e+00	TXNRD1;TXNRD1;TXNRD1;EID3;TXNRD1;TXNRD1
cg17129943	TRUE	0e+00	0.0e+00	MIR516B1
cg04252558	TRUE	0e+00	0.0e+00	TCEB1
cg23104955	TRUE	0e+00	0.0e+00	RPL7

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg15934191	TRUE	0e+00	0.0e+00	
cg24306573	TRUE	0e+00	0.0e+00	SCRT2
cg26886708	TRUE	0e+00	0.0e+00	
cg07687684	TRUE	0e+00	0.0e+00	NDFIP1
cg24497186	TRUE	0e+00	0.0e+00	
cg03256465	TRUE	0e+00	0.0e+00	JUN
cg02361610	TRUE	0e+00	0.0e+00	
cg09396865	TRUE	0e+00	0.0e+00	
cg18754118	TRUE	0e+00	0.0e+00	GNG7
cg18070676	TRUE	0e+00	0.0e+00	FLRT2
cg10211019	TRUE	0e+00	0.0e+00	ZNF790
cg26200826	TRUE	0e+00	0.0e+00	HTR3B
cg02063759	TRUE	0e+00	0.0e+00	
cg20450689	TRUE	0e+00	0.0e+00	
cg03910557	TRUE	0e+00	0.0e+00	HEY2
cg19611013	TRUE	0e+00	0.0e+00	
cg20908993	TRUE	0e+00	0.0e+00	EIF2S1;ATP6V1D
cg16903735	TRUE	0e+00	0.0e+00	LSP1;LSP1;LSP1;LSP1
cg21008684	TRUE	0e+00	0.0e+00	
cg05267587	TRUE	0e+00	0.0e+00	C17orf42
cg01134061	TRUE	0e+00	0.0e+00	
cg21729388	TRUE	0e+00	0.0e+00	LEO1
cg18195765	TRUE	0e+00	0.0e+00	
cg19876814	TRUE	0e+00	0.0e+00	PCDHA7;PCDHA12;PCDHA6;PCDHA10;PCDHA4;PCDHA11;PCDHA12
cg23803311	TRUE	0e+00	0.0e+00	FBXO38;FBXO38
cg15872437	TRUE	0e+00	0.0e+00	ITGA9
cg17651887	TRUE	0e+00	0.0e+00	ARPC2;ARPC2
cg14354820	TRUE	0e+00	0.0e+00	ANK1
cg01336858	TRUE	0e+00	0.0e+00	
cg00102920	TRUE	0e+00	0.0e+00	TPMT;KDM1B
cg21187462	TRUE	0e+00	0.0e+00	BNC2
cg15552853	TRUE	0e+00	0.0e+00	
cg21931103	TRUE	0e+00	0.0e+00	LIPT1;LIPT1;LIPT1;LIPT1;LIPT1;LIPT1;LIPT1;LIPT1;LIPT1;LIPT1
cg15694180	FALSE	0e+00	0.0e+00	ADAM15;ADAM15;ADAM15;ADAM15;ADAM15;ADAM15
cg10631694	TRUE	0e+00	0.0e+00	CD164;CD164;CD164;CD164;CD164
cg11697978	TRUE	0e+00	0.0e+00	
cg01157780	TRUE	0e+00	0.0e+00	EPB41L1;EPB41L1
cg11416811	TRUE	0e+00	0.0e+00	C10orf107
cg02002551	TRUE	0e+00	0.0e+00	NEFM;NEFM
cg04464219	TRUE	0e+00	0.0e+00	MTDH
cg03443762	TRUE	0e+00	0.0e+00	
cg16199879	TRUE	0e+00	0.0e+00	ACTR10
cg03739177	TRUE	0e+00	0.0e+00	ABHD15
cg04452362	TRUE	0e+00	0.0e+00	
cg22916109	TRUE	0e+00	0.0e+00	IREB2
cg14721506	TRUE	0e+00	0.0e+00	
cg20759222	TRUE	0e+00	0.0e+00	
cg19284211	TRUE	0e+00	0.0e+00	INSM1
cg03745431	TRUE	0e+00	0.0e+00	C1orf95
cg12529273	TRUE	0e+00	0.0e+00	LNK1
cg07376067	TRUE	0e+00	0.0e+00	
cg06822995	TRUE	0e+00	0.0e+00	CAMK4

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg10552847	TRUE	0e+00	0.0e+00	HMGCR;HMGCR
cg19484886	TRUE	0e+00	0.0e+00	C12orf61;MIRLET7I
cg17277529	TRUE	0e+00	0.0e+00	FGF3;FGF3
cg22032706	TRUE	0e+00	0.0e+00	TSPAN12
cg07366082	TRUE	0e+00	0.0e+00	PCDH1
cg14968603	TRUE	0e+00	0.0e+00	BLOC1S2;BLOC1S2
cg03720842	TRUE	0e+00	0.0e+00	PLDN
cg12835981	TRUE	0e+00	0.0e+00	LCLAT1;LCLAT1;LCLAT1;LCLAT1
cg07985589	TRUE	0e+00	0.0e+00	OPCML
cg12282267	TRUE	0e+00	0.0e+00	NEURL4;NEURL4;GPS2
cg14786790	TRUE	0e+00	0.0e+00	FAM13A
cg09595163	TRUE	0e+00	0.0e+00	WNT5A
cg00885901	TRUE	0e+00	0.0e+00	PGD
cg22871529	TRUE	0e+00	0.0e+00	FNDC3A
cg02368812	TRUE	0e+00	0.0e+00	NQO2
cg02016838	TRUE	0e+00	0.0e+00	ZC3H12C
cg21350283	TRUE	0e+00	0.0e+00	ACTN1;ACTN1;ACTN1
cg20479009	TRUE	0e+00	0.0e+00	
cg03228804	TRUE	0e+00	0.0e+00	MTHFSD;MTHFSD;MTHFSD;MTHFSD;MTHFSD;MTHFSD;MTHFSD
cg00743107	FALSE	0e+00	0.0e+00	ING1;ING1;ING1;ING1
cg04982748	TRUE	0e+00	0.0e+00	HELB
cg25278347	TRUE	0e+00	0.0e+00	MYL1
cg10236503	FALSE	0e+00	0.0e+00	FBXW7;FBXW7
cg10973386	TRUE	0e+00	0.0e+00	
cg17213381	TRUE	0e+00	0.0e+00	AGPAT1;AGPAT1
cg05082095	TRUE	0e+00	0.0e+00	EFNA1;EFNA1
cg03026462	TRUE	0e+00	0.0e+00	FOXA1
cg10146514	TRUE	0e+00	0.0e+00	KIF25;KIF25
cg06365567	TRUE	0e+00	0.0e+00	NDUFAF3;DALRD3;MIR425;NDUFAF3;NDUFAF3;NDUFAF3
cg21783442	TRUE	0e+00	0.0e+00	TIMM17A
cg05164052	TRUE	0e+00	0.0e+00	HYAL2;HYAL2
cg27454136	TRUE	0e+00	0.0e+00	CRMP1;CRMP1
cg10680051	TRUE	0e+00	0.0e+00	ROBO3
cg03091551	TRUE	0e+00	0.0e+00	OTX2
cg09912552	TRUE	0e+00	0.0e+00	NDRG1;NDRG1
cg27506889	TRUE	0e+00	0.0e+00	PSMB10
cg23845009	TRUE	0e+00	0.0e+00	ABTB2
cg20332930	TRUE	0e+00	0.0e+00	CCDC90B;CCDC90B
cg27194467	FALSE	0e+00	0.0e+00	YIPF2;YIPF2;C19orf52
cg19451698	TRUE	0e+00	0.0e+00	RHBDD1;RHBDD1
cg17907945	FALSE	0e+00	0.0e+00	GLRX2;GLRX2;GLRX2
cg21434530	TRUE	0e+00	0.0e+00	
cg20732787	TRUE	0e+00	0.0e+00	NCLN
cg11898431	TRUE	0e+00	0.0e+00	
cg04008913	TRUE	0e+00	0.0e+00	SNRK;SNRK
cg24422900	TRUE	0e+00	0.0e+00	GMIP
cg13450310	TRUE	0e+00	0.0e+00	KIAA0754;MACF1;MACF1
cg01994779	TRUE	0e+00	0.0e+00	ZNRF1;ZNRF1
cg24719133	TRUE	0e+00	0.0e+00	
cg08629895	TRUE	0e+00	0.0e+00	
cg17445802	TRUE	0e+00	0.0e+00	NOS1
cg24133276	TRUE	0e+00	0.0e+00	ERBB2IP;ERBB2IP

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg08748033	TRUE	0e+00	0.0e+00	MARCH1
cg21348771	TRUE	0e+00	0.0e+00	C6orf114;GFOD1
cg13041244	TRUE	0e+00	0.0e+00	
cg14712531	TRUE	0e+00	0.0e+00	
cg00671093	TRUE	0e+00	0.0e+00	CEP57;FAM76B
cg04507768	TRUE	0e+00	0.0e+00	TRIM2
cg13521048	TRUE	0e+00	0.0e+00	PTTG1IP
cg06551595	TRUE	0e+00	0.0e+00	
cg20585088	TRUE	0e+00	0.0e+00	MCF2L2;B3GNT5
cg18834259	TRUE	0e+00	0.0e+00	ZNF282
cg00311751	TRUE	0e+00	0.0e+00	TRERF1
cg23038015	TRUE	0e+00	0.0e+00	
cg14042131	TRUE	0e+00	0.0e+00	PTPRJ;PTPRJ
cg17380238	TRUE	0e+00	0.0e+00	PPP1R13L;PPP1R13L
cg22900415	TRUE	0e+00	0.0e+00	GJA3
cg15592945	TRUE	0e+00	0.0e+00	C1orf95
cg00666749	TRUE	0e+00	0.0e+00	LATS2
cg24947764	TRUE	0e+00	0.0e+00	
cg10736063	TRUE	0e+00	0.0e+00	POM121L2
cg13900920	TRUE	0e+00	0.0e+00	COL9A3
cg12782180	TRUE	0e+00	0.0e+00	LEP
cg16577509	TRUE	0e+00	0.0e+00	SLC26A10
cg12113132	TRUE	0e+00	0.0e+00	TMEM62;CCNDBP1;CCNDBP1;CCNDBP1;CCNDBP1
cg02894209	TRUE	0e+00	0.0e+00	CDAN1
cg02307130	TRUE	0e+00	0.0e+00	EID2
cg00306311	TRUE	0e+00	0.0e+00	FAM184B
cg22627293	TRUE	0e+00	0.0e+00	
cg11655486	TRUE	0e+00	0.0e+00	SSX2IP;SSX2IP;SSX2IP;SSX2IP;SSX2IP
cg22280359	TRUE	0e+00	0.0e+00	PGM3;RWDD2A
cg01657207	TRUE	0e+00	0.0e+00	ZNF35
cg16095660	TRUE	0e+00	0.0e+00	PGAP2;PGAP2;PGAP2;PGAP2;PGAP2
cg25308231	TRUE	0e+00	0.0e+00	TBCEL;TBCEL
cg00061769	TRUE	0e+00	0.0e+00	YY1AP1;DAP3;DAP3;YY1AP1
cg16783279	TRUE	0e+00	0.0e+00	GPR26
cg27516302	TRUE	0e+00	0.0e+00	OPRK1
cg15804118	TRUE	0e+00	0.0e+00	DPM3;DPM3
cg13956452	TRUE	0e+00	0.0e+00	ENTPD8;ENTPD8
cg07301004	TRUE	0e+00	0.0e+00	ARPC3
cg20271330	TRUE	0e+00	0.0e+00	LOC127841
cg20521696	TRUE	0e+00	0.0e+00	SHH
cg26162554	TRUE	0e+00	0.0e+00	GHR
cg11223816	TRUE	0e+00	0.0e+00	USO1;USO1
cg01070095	TRUE	0e+00	0.0e+00	SETD1A
cg07619799	TRUE	0e+00	0.0e+00	ACSL1
cg14860680	TRUE	0e+00	0.0e+00	CCDC33
cg27057408	TRUE	0e+00	0.0e+00	TBPL2
cg14924594	TRUE	0e+00	0.0e+00	NARS2;NARS2
cg21160472	TRUE	0e+00	0.0e+00	ATF3;ATF3;ATF3;ATF3;ATF3
cg13932612	TRUE	0e+00	0.0e+00	
cg14617041	TRUE	0e+00	0.0e+00	TMEM171;TMEM171
cg13001142	TRUE	0e+00	0.0e+00	STXBP5;STXBP5
cg11826116	TRUE	0e+00	0.0e+00	ATF4;ATF4

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg19760458	TRUE	0e+00	0.0e+00	
cg21105019	TRUE	0e+00	0.0e+00	HHIPL1;HHIPL1
cg04800394	TRUE	0e+00	0.0e+00	RPL35A;IQCG;IQCG
cg26780404	TRUE	0e+00	0.0e+00	COL12A1;COL12A1
cg22958957	TRUE	0e+00	0.0e+00	PMP22;PMP22;PMP22
cg16563171	TRUE	0e+00	0.0e+00	PAX3;PAX3;PAX3;PAX3;PAX3;PAX3
cg26640467	TRUE	0e+00	0.0e+00	GRM8
cg08533783	TRUE	0e+00	0.0e+00	C11orf88;C11orf88
cg05032813	TRUE	0e+00	0.0e+00	NFATC2IP
cg14584865	TRUE	0e+00	0.0e+00	POLR2D
cg05869173	TRUE	0e+00	0.0e+00	ZKSCAN1
cg11708795	TRUE	0e+00	0.0e+00	ALG5;ALG5;EXOSC8
cg12428160	TRUE	0e+00	0.0e+00	
cg05762700	TRUE	0e+00	0.0e+00	LCORL;LCORL
cg10177147	TRUE	0e+00	0.0e+00	CDCA2;KCTD9
cg23213688	TRUE	0e+00	0.0e+00	C1orf124;C1orf124;C1orf124;C1orf124;EXOC8
cg05194810	TRUE	0e+00	0.0e+00	DLX1;DLX1;DLX1;DLX1
cg00172849	TRUE	0e+00	0.0e+00	COL11A1;COL11A1;COL11A1;COL11A1
cg17138769	TRUE	0e+00	0.0e+00	VAX1
cg16371752	TRUE	0e+00	0.0e+00	ENSA;ENSA;ENSA;ENSA;ENSA;ENSA;ENSA;ENSA
cg01064265	TRUE	0e+00	0.0e+00	IRX6
cg03512692	TRUE	0e+00	0.0e+00	SAMM50
cg25536373	TRUE	0e+00	0.0e+00	DPP10;DPP10
cg04225523	TRUE	0e+00	0.0e+00	CDV3;CDV3;CDV3
cg20126635	TRUE	0e+00	0.0e+00	
cg13568950	TRUE	0e+00	0.0e+00	
cg15962313	TRUE	0e+00	0.0e+00	KIRREL3;KIRREL3
cg07847944	TRUE	0e+00	0.0e+00	IFIT5
cg00572266	TRUE	0e+00	0.0e+00	
cg13987712	TRUE	0e+00	0.0e+00	MTF1
cg07834876	TRUE	0e+00	0.0e+00	BCAS3;BCAS3
cg05768009	TRUE	0e+00	0.0e+00	KIAA1274
cg09146781	TRUE	0e+00	0.0e+00	TRIM72
cg07720105	TRUE	0e+00	0.0e+00	GIPC1;GIPC1;GIPC1;GIPC1;GIPC1;GIPC1
cg11092048	TRUE	0e+00	0.0e+00	
cg04408566	TRUE	0e+00	0.0e+00	WDR51A;WDR51A;WDR51A
cg15105182	TRUE	0e+00	0.0e+00	QRFP
cg12342027	TRUE	0e+00	0.0e+00	PPIA
cg07053697	TRUE	0e+00	0.0e+00	
cg14688579	TRUE	0e+00	0.0e+00	CCDC140
cg04037236	TRUE	0e+00	0.0e+00	
cg04304978	TRUE	0e+00	0.0e+00	
cg20754708	TRUE	0e+00	0.0e+00	
cg06710927	TRUE	0e+00	0.0e+00	
cg18728760	TRUE	0e+00	0.0e+00	TAF6;TAF6;TAF6;TAF6;CNPY4
cg10523693	TRUE	0e+00	0.0e+00	RPA3
cg04505346	FALSE	0e+00	0.0e+00	PTCD2;MRPS27
cg05236677	TRUE	0e+00	0.0e+00	
cg08194011	TRUE	0e+00	0.0e+00	
cg20177522	TRUE	0e+00	0.0e+00	ZBTB46
cg15810578	TRUE	0e+00	0.0e+00	PCBP1
cg04390523	TRUE	0e+00	0.0e+00	EDNRB;EDNRB;EDNRB

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg24616879	TRUE	0e+00	0.0e+00	NEBL
cg25219643	TRUE	0e+00	0.0e+00	CCDC81;CCDC81
cg20789464	TRUE	0e+00	0.0e+00	CCDC83
cg03396809	TRUE	0e+00	0.0e+00	ZNF589
cg06985934	FALSE	0e+00	0.0e+00	FADS1
cg14319160	TRUE	0e+00	0.0e+00	TRIM39;HCG18;HCG18;TRIM39
cg02979001	TRUE	0e+00	0.0e+00	
cg24929264	TRUE	0e+00	0.0e+00	CCL15;CCL14-CCL15;CCL14-CCL15
cg27458888	FALSE	0e+00	0.0e+00	UBE3A
cg20247380	TRUE	0e+00	0.0e+00	ZNF444
cg12837030	TRUE	0e+00	0.0e+00	
cg02216939	TRUE	0e+00	0.0e+00	CREB3L2
cg06516476	TRUE	0e+00	0.0e+00	NT5E
cg03995571	TRUE	0e+00	0.0e+00	FAM49B
cg25161310	TRUE	0e+00	0.0e+00	
cg22083047	TRUE	0e+00	0.0e+00	PRICKLE2
cg02686357	TRUE	0e+00	0.0e+00	DMWD
cg02888677	TRUE	0e+00	0.0e+00	VDAC2
cg17537252	TRUE	0e+00	0.0e+00	ARHGEF3;ARHGEF3
cg03988660	TRUE	0e+00	0.0e+00	ASB14
cg25603636	TRUE	0e+00	0.0e+00	PCDHB18
cg20270188	TRUE	0e+00	0.0e+00	BCAN;BCAN;BCAN;BCAN
cg14225021	TRUE	0e+00	0.0e+00	
cg16720880	TRUE	0e+00	0.0e+00	SUGT1P1;BAG1;CHMP5
cg16665866	FALSE	0e+00	0.0e+00	CACNA1H;CACNA1H
cg00335591	TRUE	0e+00	0.0e+00	TMEM184A
cg08178278	TRUE	0e+00	0.0e+00	MOCS3;DPM1
cg00850538	TRUE	0e+00	0.0e+00	CRIM1
cg17321814	TRUE	0e+00	0.0e+00	SORCS3
cg11946719	TRUE	0e+00	0.0e+00	
cg08692430	TRUE	0e+00	0.0e+00	ZFHX3;ZFHX3
cg21949274	TRUE	0e+00	0.0e+00	RAD17;RAD17;TAF9;RAD17;TAF9;RAD17;RAD17;RAD17;RAD17;TAF9
cg00562430	TRUE	0e+00	0.0e+00	
cg27619217	TRUE	0e+00	0.0e+00	
cg19771773	TRUE	0e+00	0.0e+00	
cg01440407	TRUE	0e+00	0.0e+00	MTERFD1;PTDSS1
cg25393109	TRUE	0e+00	0.0e+00	SUPT6H;SDF2;SUPT6H
cg08500704	TRUE	0e+00	0.0e+00	PRDM13
cg20745620	TRUE	0e+00	0.0e+00	
cg08680764	TRUE	0e+00	0.0e+00	ZNF565;ZNF146;ZNF146;ZNF146;ZNF146;ZNF146;ZNF565;ZNF146
cg19184818	TRUE	0e+00	0.0e+00	GGA3;GGA3
cg11653758	FALSE	0e+00	0.0e+00	C19orf20
cg25346576	TRUE	0e+00	0.0e+00	CCDC55;MIR423;CCDC55
cg04460847	TRUE	0e+00	0.0e+00	
cg02860342	TRUE	0e+00	0.0e+00	HCN4;HCN4
cg27076777	TRUE	0e+00	0.0e+00	C19orf43
cg00125159	TRUE	0e+00	0.0e+00	C1orf35
cg17837330	TRUE	0e+00	0.0e+00	
cg21003878	TRUE	0e+00	0.0e+00	NYNRIN
cg01557883	TRUE	0e+00	0.0e+00	HHLA3;HHLA3;HHLA3;HHLA3;ANKRD13C
cg25072436	TRUE	0e+00	0.0e+00	LBH;LBH
cg04037038	TRUE	0e+00	0.0e+00	FRZB

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg11661269	TRUE	0e+00	0.0e+00	MYCBP
cg23785940	TRUE	0e+00	0.0e+00	CYR61
cg25432997	TRUE	0e+00	0.0e+00	DVL2
cg09818962	TRUE	0e+00	0.0e+00	
cg16700296	TRUE	0e+00	0.0e+00	SYTL3
cg16436509	TRUE	0e+00	0.0e+00	COX6A1
cg15213114	TRUE	0e+00	0.0e+00	ECD;ECD;ECD;FAM149B1;ECD;ECD;ECD;ECD
cg05472062	TRUE	0e+00	0.0e+00	TNKS2
cg04692403	TRUE	0e+00	0.0e+00	TCF21;TCF21
cg02285386	TRUE	0e+00	0.0e+00	TOM1;TOM1;TOM1;TOM1;TOM1;TOM1
cg11253416	TRUE	0e+00	0.0e+00	CHMP4C
cg17593366	TRUE	0e+00	0.0e+00	C1orf228;TMEM53;C1orf228
cg19539824	TRUE	0e+00	0.0e+00	C9orf69
cg08404009	TRUE	0e+00	0.0e+00	MYO16
cg21328810	TRUE	0e+00	0.0e+00	KCNC3
cg00434010	TRUE	0e+00	0.0e+00	SIM1
cg08113027	TRUE	0e+00	0.0e+00	PAQR9
cg07454558	TRUE	0e+00	0.0e+00	TANC1;TANC1
cg11738719	TRUE	0e+00	0.0e+00	BECN1
cg05505961	TRUE	0e+00	0.0e+00	ARSG
cg19071989	TRUE	0e+00	0.0e+00	LFNG;LFNG;LFNG;LFNG
cg10740054	FALSE	0e+00	0.0e+00	ISYNA1;ISYNA1;ISYNA1
cg00590869	TRUE	0e+00	0.0e+00	ASH2L;ASH2L
cg05639842	TRUE	0e+00	0.0e+00	ABCG1;ABCG1;ABCG1;ABCG1;ABCG1
cg06458707	TRUE	0e+00	0.0e+00	C7orf50;C7orf50;C7orf50
cg06225840	TRUE	0e+00	0.0e+00	
cg22746058	TRUE	0e+00	0.0e+00	PTF1A
cg11858249	TRUE	0e+00	0.0e+00	HSF2BP;RRP1B
cg21027035	TRUE	0e+00	0.0e+00	
cg03272932	TRUE	0e+00	0.0e+00	
cg06591456	TRUE	0e+00	0.0e+00	KIAA0415
cg24115040	TRUE	0e+00	0.0e+00	DLX5
cg15811515	TRUE	0e+00	0.0e+00	CSDAP1
cg09780241	TRUE	0e+00	0.0e+00	
cg25703168	FALSE	0e+00	0.0e+00	
cg25515502	TRUE	0e+00	0.0e+00	RASA1;RASA1
cg02707280	TRUE	0e+00	0.0e+00	ZNF225;ZNF225
cg00166750	TRUE	0e+00	0.0e+00	
cg12988534	TRUE	0e+00	0.0e+00	COBL;COBL
cg04547158	TRUE	0e+00	0.0e+00	ZNF823
cg08580836	TRUE	0e+00	0.0e+00	ZNF300
cg22139878	TRUE	0e+00	0.0e+00	IFIT5
cg18894648	TRUE	0e+00	0.0e+00	LOC645323;LOC645323
cg04119774	TRUE	0e+00	0.0e+00	HELLS
cg27524460	TRUE	0e+00	0.0e+00	PTGER1
cg00593048	TRUE	0e+00	0.0e+00	PFKP
cg19209385	TRUE	0e+00	0.0e+00	LRRC1
cg20731581	TRUE	0e+00	0.0e+00	SLC15A1
cg21218899	TRUE	0e+00	0.0e+00	VASP
cg14827056	TRUE	0e+00	0.0e+00	EIF2C2;EIF2C2
cg06606539	TRUE	0e+00	0.0e+00	MIR572
cg09889479	TRUE	0e+00	0.0e+00	SLC9A3R2;SLC9A3R2



CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg18929903	TRUE	0e+00	0.0e+00	ENTPD7
cg23929344	TRUE	0e+00	0.0e+00	SFTA3
cg10661054	TRUE	0e+00	0.0e+00	LIMS2;LIMS2;LIMS2;LIMS2
cg16016270	TRUE	0e+00	0.0e+00	KLHL14
cg01162436	TRUE	0e+00	0.0e+00	FAM188A
cg04380669	TRUE	0e+00	0.0e+00	NME1;NME1;NME1-NME2
cg04845077	TRUE	0e+00	0.0e+00	DCAF12
cg00121562	TRUE	0e+00	0.0e+00	PCYT1A
cg06202984	TRUE	0e+00	0.0e+00	FANCC;FANCC
cg11576176	TRUE	0e+00	0.0e+00	GSX2
cg09930033	TRUE	0e+00	0.0e+00	RFX6
cg05557255	TRUE	0e+00	0.0e+00	TSSC4
cg24342628	TRUE	0e+00	0.0e+00	KDM1B;TPMT
cg26186239	TRUE	0e+00	0.0e+00	EEF1A2
cg10221240	TRUE	0e+00	0.0e+00	FGFRL1;FGFRL1
cg19262991	TRUE	0e+00	0.0e+00	DCP1B
cg00415582	TRUE	0e+00	0.0e+00	KLC4;KLC4;KLC4;KLC4;MRPL2;MRPL2
cg10213928	TRUE	0e+00	0.0e+00	NUAK2
cg10650915	TRUE	0e+00	0.0e+00	FKBPL
cg15979173	TRUE	0e+00	0.0e+00	BARHL2
cg05371993	TRUE	0e+00	0.0e+00	UNKL
cg00352532	TRUE	0e+00	0.0e+00	DUSP11
cg06000994	TRUE	0e+00	0.0e+00	ZNF536
cg10620501	TRUE	0e+00	0.0e+00	PROSC
cg03450844	TRUE	0e+00	0.0e+00	GIMAP1
cg20389635	TRUE	0e+00	0.0e+00	PTHLH;PTHLH;PTHLH;PTHLH
cg16688046	TRUE	0e+00	0.0e+00	NCRNA00094
cg26653168	TRUE	0e+00	0.0e+00	CSNK1G1
cg23091741	TRUE	0e+00	0.0e+00	PYCR2
cg16626236	TRUE	0e+00	0.0e+00	ADAM11
cg23538773	TRUE	0e+00	0.0e+00	
cg24176926	TRUE	0e+00	0.0e+00	CCDC48
cg13451008	TRUE	0e+00	0.0e+00	ZNF735
cg04583842	TRUE	0e+00	0.0e+00	BANP;BANP
cg26986147	TRUE	0e+00	0.0e+00	GAL3ST1
cg07992840	TRUE	0e+00	0.0e+00	
cg18213653	TRUE	0e+00	0.0e+00	C12orf51
cg22762076	TRUE	0e+00	0.0e+00	ZNF557;ZNF557;ZNF557;ZNF557;ZNF557;ZNF557
cg12345382	TRUE	0e+00	0.0e+00	
cg09432166	TRUE	0e+00	0.0e+00	TMEM167B
cg03859684	TRUE	0e+00	0.0e+00	ANKRD10
cg12605662	TRUE	0e+00	0.0e+00	RAX
cg13376598	TRUE	0e+00	0.0e+00	LUZP2
cg02357877	TRUE	0e+00	0.0e+00	GBAS
cg11279425	TRUE	0e+00	0.0e+00	NAV2;NAV2;NAV2;LOC100126784
cg08049553	TRUE	0e+00	0.0e+00	MRPS7;MRPS7;GGA3;GGA3
cg19404207	TRUE	0e+00	0.0e+00	
cg09944398	TRUE	0e+00	0.0e+00	
cg00805320	TRUE	0e+00	0.0e+00	DUS2L;DUS2L;DDX28;DDX28
cg04522984	TRUE	0e+00	0.0e+00	ANK2;ANK2;ANK2
cg18431951	TRUE	0e+00	0.0e+00	PUF60;PUF60;PUF60
cg20162206	TRUE	0e+00	0.0e+00	KLHL14

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg16162927	TRUE	0e+00	0.0e+00	BCLAF1;BCLAF1;BCLAF1;BCLAF1;BCLAF1;BCLAF1
cg01095395	TRUE	0e+00	0.0e+00	IMPG2;IMPG2
cg08073312	TRUE	0e+00	0.0e+00	SOX14
cg07015591	TRUE	0e+00	0.0e+00	
cg23801028	TRUE	0e+00	0.0e+00	CRTAC1
cg05765466	TRUE	0e+00	0.0e+00	TESK2
cg03863591	TRUE	0e+00	0.0e+00	
cg07813608	TRUE	0e+00	0.0e+00	
cg04074766	TRUE	0e+00	0.0e+00	ZNHIT1;ZNHIT1;PLOD3
cg06329197	TRUE	0e+00	0.0e+00	JMJD5;JMJD5;JMJD5
cg15556943	TRUE	0e+00	0.0e+00	PAX1
cg23478547	TRUE	0e+00	0.0e+00	
cg14537243	TRUE	0e+00	0.0e+00	LOC440461
cg09063111	TRUE	0e+00	0.0e+00	SELM
cg21184075	TRUE	0e+00	0.0e+00	ARID4A;ARID4A;ARID4A
cg23815462	TRUE	0e+00	0.0e+00	ZNF17
cg00138267	TRUE	0e+00	0.0e+00	RC3H2;RC3H2
cg19049616	TRUE	0e+00	0.0e+00	RNFT1
cg24586657	TRUE	0e+00	0.0e+00	FANCI;FANCI
cg11323020	TRUE	0e+00	0.0e+00	C2CD2L;C2CD2L
cg09560082	TRUE	0e+00	0.0e+00	
cg19760898	TRUE	0e+00	0.0e+00	TMEM229A
cg16330755	TRUE	0e+00	0.0e+00	C10orf32;C10orf32
cg24906202	TRUE	0e+00	0.0e+00	NEO1
cg21538511	TRUE	0e+00	0.0e+00	C1orf125;C1orf125
cg21253459	TRUE	0e+00	0.0e+00	
cg23406407	TRUE	0e+00	0.0e+00	ARSG;SLC16A6
cg04457979	TRUE	0e+00	0.0e+00	KCNQ1DN
cg05638359	TRUE	0e+00	0.0e+00	FAM5C
cg26200976	TRUE	0e+00	0.0e+00	NUP85
cg13935928	TRUE	0e+00	0.0e+00	CTAGE1;CTAGE1
cg06876672	TRUE	0e+00	0.0e+00	PPP2R5D;PPP2R5D;PPP2R5D
cg22891287	TRUE	0e+00	0.0e+00	HSPB6;C19orf55
cg10536327	TRUE	0e+00	0.0e+00	PRIM2
cg26660800	TRUE	0e+00	0.0e+00	TBX2
cg04134217	TRUE	0e+00	0.0e+00	PPP1R9A;PPP1R9A;PPP1R9A;PPP1R9A;PPP1R9A
cg12909536	TRUE	0e+00	0.0e+00	ATAD3B
cg27518692	TRUE	0e+00	0.0e+00	DCAF7
cg17120578	FALSE	0e+00	0.0e+00	
cg23727943	TRUE	0e+00	0.0e+00	GTSF1L;GTSF1L
cg06555227	TRUE	0e+00	0.0e+00	PTPRN2;PTPRN2;PTPRN2
cg24673771	TRUE	0e+00	0.0e+00	
cg11210878	TRUE	0e+00	0.0e+00	CHRM1
cg02974928	TRUE	0e+00	0.0e+00	CACNA1E
cg01878708	TRUE	0e+00	0.0e+00	
cg06246094	TRUE	0e+00	0.0e+00	SPTBN5
cg07156296	TRUE	0e+00	0.0e+00	HADH
cg18249580	TRUE	0e+00	0.0e+00	
cg12497319	FALSE	0e+00	0.0e+00	GPR108;GPR108
cg18446690	TRUE	0e+00	0.0e+00	SUMO1;SUMO1;SUMO1
cg18789177	TRUE	0e+00	0.0e+00	
cg25467855	TRUE	0e+00	0.0e+00	LNPEP

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg25078444	TRUE	0e+00	0.0e+00	FOXP1
cg27445106	TRUE	0e+00	0.0e+00	SNIP1
cg13134497	TRUE	0e+00	0.0e+00	
cg09414002	TRUE	0e+00	0.0e+00	C8orf33
cg02371397	TRUE	0e+00	0.0e+00	RYSR3
cg09424759	TRUE	0e+00	0.0e+00	SLC35F3;SLC35F3
cg07462417	TRUE	0e+00	0.0e+00	DRG1
cg18956706	TRUE	0e+00	0.0e+00	TTBK1
cg09686236	TRUE	0e+00	0.0e+00	KCNIP3;KCNIP3
cg19698348	TRUE	0e+00	0.0e+00	
cg12967164	TRUE	0e+00	0.0e+00	ELFN1
cg19037884	TRUE	0e+00	0.0e+00	
cg19062108	TRUE	0e+00	0.0e+00	NDUFA4L2
cg19444779	TRUE	0e+00	0.0e+00	
cg00208412	TRUE	0e+00	0.0e+00	GOLGA7B
cg10441934	TRUE	0e+00	0.0e+00	HPSE2;HPSE2;HPSE2;HPSE2
cg18382305	TRUE	0e+00	0.0e+00	C18orf34;C18orf34
cg03314080	TRUE	0e+00	0.0e+00	NFE2L2;NFE2L2;NFE2L2
cg18457685	TRUE	0e+00	0.0e+00	HCG4
cg17179923	TRUE	0e+00	0.0e+00	
cg13444533	TRUE	0e+00	0.0e+00	RASEF
cg08198862	TRUE	0e+00	0.0e+00	RGL3;RGL3
cg13423282	TRUE	0e+00	0.0e+00	SLC25A42
cg15174834	TRUE	0e+00	0.0e+00	HSPA1A;HSPA1L;HSPA1A
cg13968953	TRUE	0e+00	0.0e+00	ARL6;ARL6
cg16919569	TRUE	0e+00	0.0e+00	NBLA00301;HAND2
cg00390176	TRUE	0e+00	0.0e+00	
cg05493094	TRUE	0e+00	0.0e+00	HIST1H3D;HIST1H2BF;HIST1H2AD
cg12649615	TRUE	0e+00	0.0e+00	ENSA;ENSA;ENSA;ENSA;ENSA;ENSA;ENSA;ENSA
cg11006962	TRUE	0e+00	0.0e+00	
cg23127183	TRUE	0e+00	0.0e+00	C11orf31
cg11558820	TRUE	0e+00	0.0e+00	
cg23172853	TRUE	0e+00	0.0e+00	TSNAX-DISC1;DISC1;DISC1;DISC1;TSNAX-DISC1;DISC1;DISC1;DISC1
cg23142035	FALSE	0e+00	0.0e+00	TMED10
cg18743730	TRUE	0e+00	0.0e+00	CA4
cg08692104	TRUE	0e+00	0.0e+00	ZNF823
cg12464048	TRUE	0e+00	0.0e+00	RFX8;RFX8
cg26189983	TRUE	0e+00	0.0e+00	TNFRSF1B
cg24675879	TRUE	0e+00	0.0e+00	MIR423;CCDC55
cg16063416	TRUE	0e+00	0.0e+00	SLC4A1;SLC4A1
cg04478875	TRUE	0e+00	0.0e+00	FGF1;FGF1;FGF1;FGF1;FGF1;FGF1
cg02342362	TRUE	0e+00	0.0e+00	DHPS;DHPS;DHPS
cg01511901	TRUE	0e+00	0.0e+00	
cg14023451	TRUE	0e+00	0.0e+00	GPLD1;GPLD1
cg04970064	TRUE	0e+00	0.0e+00	
cg05030680	TRUE	0e+00	0.0e+00	PITX2;PITX2;PITX2
cg19671120	TRUE	0e+00	0.0e+00	CNGA3;CNGA3;CNGA3;CNGA3
cg25098208	TRUE	0e+00	0.0e+00	RIC3;RIC3
cg22414192	FALSE	0e+00	0.0e+00	KCNK1
cg03124231	TRUE	0e+00	0.0e+00	HMGB2;HMGB2;HMGB2;HMGB2
cg08752433	TRUE	0e+00	0.0e+00	PPTC7
cg22732749	TRUE	0e+00	0.0e+00	PCDHB15

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg19954613	TRUE	0e+00	0.0e+00	PPIL2;PPIL2;PPIL2
cg07967851	TRUE	0e+00	0.0e+00	NUBP2;SPSB3
cg17296707	TRUE	0e+00	0.0e+00	
cg24799947	TRUE	0e+00	0.0e+00	PATL2
cg12503267	TRUE	0e+00	0.0e+00	HOXD12
cg13130352	TRUE	0e+00	0.0e+00	HLA-G
cg23935255	TRUE	0e+00	0.0e+00	MIR758;MIR329-2;MIR329-1
cg04064160	TRUE	0e+00	0.0e+00	
cg15146966	TRUE	0e+00	0.0e+00	XBP1;XBP1
cg14175690	TRUE	0e+00	0.0e+00	TBX15
cg21975007	FALSE	0e+00	0.0e+00	ENPP1
cg15897423	TRUE	0e+00	0.0e+00	MDH1;C2orf86
cg04165910	FALSE	0e+00	0.0e+00	BET1L;RIC8A;BET1L;RIC8A
cg11332163	TRUE	0e+00	0.0e+00	
cg09131135	TRUE	0e+00	0.0e+00	SLC4A1AP;SUPT7L
cg19449565	TRUE	0e+00	0.0e+00	HDAC4
cg06449934	TRUE	0e+00	0.0e+00	GPER;C7orf50;GPER;C7orf50;C7orf50;GPER
cg05184456	TRUE	0e+00	0.0e+00	SCRT1
cg23054379	TRUE	0e+00	0.0e+00	RFWD2;RFWD2;RFWD2;RFWD2
cg18640444	TRUE	0e+00	0.0e+00	
cg09661809	TRUE	0e+00	0.0e+00	
cg20426671	TRUE	0e+00	0.0e+00	PITPNA
cg13032616	TRUE	0e+00	0.0e+00	TPBG;TPBG
cg26526709	TRUE	0e+00	0.0e+00	DPY19L1
cg20116574	TRUE	0e+00	0.0e+00	NCOA5
cg22376661	TRUE	0e+00	0.0e+00	SLC12A9
cg25221615	TRUE	0e+00	0.0e+00	
cg22879289	TRUE	0e+00	0.0e+00	
cg08546494	TRUE	0e+00	0.0e+00	
cg00813603	FALSE	0e+00	0.0e+00	SLC25A42
cg24196126	TRUE	0e+00	0.0e+00	ZNF667;ZNF667
cg03915012	TRUE	0e+00	0.0e+00	GAK
cg09964204	TRUE	0e+00	0.0e+00	MAGI1;MAGI1;MAGI1;MAGI1;MAGI1;MAGI1
cg00381076	TRUE	0e+00	0.0e+00	C18orf54
cg01348004	TRUE	0e+00	0.0e+00	SYNM;SYNM
cg21122199	TRUE	0e+00	0.0e+00	C17orf64
cg12407844	TRUE	0e+00	0.0e+00	C14orf135
cg14187877	TRUE	0e+00	0.0e+00	LDB2;LDB2
cg06654865	TRUE	0e+00	0.0e+00	LRRC43;LRRC43
cg17695504	TRUE	0e+00	0.0e+00	WIPF3
cg09759260	TRUE	0e+00	0.0e+00	ITGA2
cg02278114	TRUE	0e+00	0.0e+00	KLK5;KLK5;KLK5
cg17691309	TRUE	0e+00	0.0e+00	TPM2;TPM2;TPM2
cg12024887	TRUE	0e+00	0.0e+00	GPR108;GPR108
cg04259832	TRUE	0e+00	0.0e+00	
cg10660865	TRUE	0e+00	0.0e+00	GAPVD1
cg19742789	TRUE	0e+00	0.0e+00	CCNJL
cg22581361	TRUE	0e+00	0.0e+00	
cg21285133	TRUE	0e+00	0.0e+00	ANP32E;ANP32E
cg08830502	TRUE	0e+00	0.0e+00	
cg23048068	TRUE	0e+00	0.0e+00	FABP5
cg08116238	TRUE	0e+00	0.0e+00	C12orf10

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg05073035	TRUE	0e+00	0.0e+00	ZIC1;ZIC1
cg07095569	TRUE	0e+00	0.0e+00	UBAP2
cg05718253	TRUE	0e+00	0.0e+00	LOC55908;DOCK6
cg06973106	TRUE	0e+00	0.0e+00	RABL4
cg02598642	TRUE	0e+00	0.0e+00	PAPL
cg26165608	TRUE	0e+00	0.0e+00	LYRM4;LYRM4;FARS2;LYRM4;FARS2
cg15660466	TRUE	0e+00	0.0e+00	NME1;NME1-NME2;NME1
cg13436055	TRUE	0e+00	0.0e+00	F2R
cg23526861	TRUE	0e+00	0.0e+00	PTH1R
cg02909097	TRUE	0e+00	0.0e+00	RAP1GAP2;RAP1GAP2
cg13588739	TRUE	0e+00	0.0e+00	
cg09929238	TRUE	0e+00	0.0e+00	RPTOR;RPTOR
cg23075506	TRUE	0e+00	0.0e+00	
cg22469841	TRUE	0e+00	0.0e+00	FSTL1
cg14379719	TRUE	0e+00	0.0e+00	GATA4
cg05600023	TRUE	0e+00	0.0e+00	WNT4
cg00918522	TRUE	0e+00	0.0e+00	
cg07577136	TRUE	0e+00	0.0e+00	
cg17131553	TRUE	0e+00	0.0e+00	TRPS1
cg07457568	TRUE	0e+00	0.0e+00	GALNTL4;GALNTL4
cg24643211	TRUE	0e+00	0.0e+00	GNAL;CHMP1B;GNAL;GNAL
cg06814892	TRUE	0e+00	0.0e+00	COMMD10
cg18322569	TRUE	0e+00	0.0e+00	BARHL2;BARHL2
cg01397449	TRUE	0e+00	0.0e+00	EXOC3L
cg27230067	TRUE	0e+00	0.0e+00	AK5;AK5
cg16851832	TRUE	0e+00	0.0e+00	LRTOMT;C11orf59;LRTOMT;LRTOMT
cg14156498	TRUE	0e+00	0.0e+00	
cg20053981	TRUE	0e+00	0.0e+00	HNRNPH3;HNRNPH3;PBLD;PBLD
cg02628801	TRUE	0e+00	0.0e+00	S1PR1
cg05085137	TRUE	0e+00	0.0e+00	OSR2;OSR2
cg01604480	TRUE	0e+00	0.0e+00	FLJ45079
cg06208635	TRUE	0e+00	0.0e+00	NUBP2;SPSB3
cg18167340	TRUE	0e+00	0.0e+00	DMAP1;DMAP1;DMAP1
cg25641145	TRUE	0e+00	0.0e+00	ANKRD46
cg02600349	TRUE	0e+00	0.0e+00	LOC646851;CBY1;CBY1
cg17461789	TRUE	0e+00	0.0e+00	
cg20661893	TRUE	0e+00	0.0e+00	C13orf18
cg26960939	TRUE	0e+00	0.0e+00	CCR7
cg26948288	TRUE	0e+00	0.0e+00	TCF25
cg19704805	TRUE	0e+00	0.0e+00	LMO3;LMO3
cg13947735	TRUE	0e+00	0.0e+00	B3GNTL1
cg03915298	TRUE	0e+00	0.0e+00	DCAF8;DCAF8;DCAF8;DCAF8;DCAF8
cg15109933	TRUE	0e+00	0.0e+00	ALMS1
cg27193366	TRUE	0e+00	0.0e+00	
cg21781828	TRUE	0e+00	0.0e+00	MTX3;MTX3
cg01115857	TRUE	0e+00	0.0e+00	
cg11294551	TRUE	0e+00	0.0e+00	LRGUK
cg22755445	TRUE	0e+00	0.0e+00	IL1R1
cg15501381	TRUE	0e+00	0.0e+00	NGB
cg12699286	TRUE	0e+00	0.0e+00	HOXC9
cg14583225	TRUE	0e+00	0.0e+00	ACLY;ACLY
cg17119688	TRUE	0e+00	0.0e+00	GPN3;C12orf24;GPN3;GPN3

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg14886078	TRUE	0e+00	0.0e+00	FAM32A
cg13357229	TRUE	0e+00	0.0e+00	SFRP2
cg12091396	TRUE	0e+00	0.0e+00	C10orf35
cg10509254	TRUE	0e+00	0.0e+00	NBLA00301;HAND2
cg08140712	TRUE	0e+00	0.0e+00	
cg00569896	TRUE	0e+00	0.0e+00	
cg23435746	TRUE	0e+00	0.0e+00	TWSG1
cg27041026	TRUE	0e+00	0.0e+00	
cg05593780	TRUE	0e+00	0.0e+00	ACO2;PHF5A
cg10234952	TRUE	0e+00	0.0e+00	RAE1;RAE1;RAE1
cg26513854	TRUE	0e+00	0.0e+00	
cg06432462	TRUE	0e+00	0.0e+00	GNAQ
cg21753226	TRUE	0e+00	0.0e+00	KCNQ1DN
cg01426195	FALSE	0e+00	0.0e+00	
cg19880751	TRUE	0e+00	0.0e+00	PRF1;PRF1
cg00750630	TRUE	0e+00	0.0e+00	
cg01523860	TRUE	0e+00	0.0e+00	UBE2D3;UBE2D3;UBE2D3;UBE2D3;UBE2D3;UBE2D3;UBE2D3;UBE2D3
cg25597233	TRUE	0e+00	0.0e+00	NDUFA2;NDUFA2;IK
cg00254886	TRUE	0e+00	0.0e+00	
cg23264557	TRUE	0e+00	0.0e+00	MBLAC2;POLR3G;POLR3G
cg08898653	TRUE	0e+00	0.0e+00	CAMK2N1
cg08245930	TRUE	0e+00	0.0e+00	CASP7;CASP7;CASP7;CASP7;CASP7;CASP7;CASP7
cg18360149	TRUE	0e+00	0.0e+00	ZNF79
cg11952493	TRUE	0e+00	0.0e+00	MPP7
cg00491522	TRUE	0e+00	0.0e+00	
cg16465768	TRUE	0e+00	0.0e+00	R3HDM1;ZRANB3
cg04738496	TRUE	0e+00	0.0e+00	TBL3
cg00073837	TRUE	0e+00	0.0e+00	
cg16821755	TRUE	0e+00	0.0e+00	C9orf102;C9orf130;C9orf130
cg23528168	TRUE	0e+00	0.0e+00	MBLAC2;MBLAC2;POLR3G
cg22704520	TRUE	0e+00	0.0e+00	C2orf60;C2orf60;C2orf47;C2orf60
cg15819918	TRUE	0e+00	0.0e+00	HRK
cg14304469	TRUE	0e+00	0.0e+00	VSTM2A;VSTM2A
cg07392307	TRUE	0e+00	0.0e+00	SFTPA2
cg17953764	TRUE	0e+00	0.0e+00	ZAR1
cg06926703	TRUE	0e+00	0.0e+00	TMEM233
cg21338031	TRUE	0e+00	0.0e+00	STARD3;STARD3;STARD3
cg25309041	TRUE	0e+00	0.0e+00	ACSL6;ACSL6
cg10504480	TRUE	0e+00	0.0e+00	RPL22L1
cg21869315	FALSE	0e+00	0.0e+00	
cg05279707	TRUE	0e+00	0.0e+00	ADNP;ADNP
cg09068004	TRUE	0e+00	0.0e+00	MARCH3
cg05871694	TRUE	0e+00	0.0e+00	HOXD1;HOXD1
cg08370618	TRUE	0e+00	0.0e+00	MSL2;MSL2;MSL2
cg01547051	TRUE	0e+00	0.0e+00	FASTK;FASTK
cg24378470	TRUE	0e+00	0.0e+00	WDR16;STX8;WDR16
cg18289490	TRUE	0e+00	0.0e+00	SPATA2;SPATA2
cg26512254	TRUE	0e+00	0.0e+00	HOXA13
cg09253125	TRUE	0e+00	0.0e+00	IQCD;TPCN1;IQCD;TPCN1
cg14546115	TRUE	0e+00	0.0e+00	CDKAL1
cg20731804	TRUE	0e+00	0.0e+00	C6orf226
cg13247069	TRUE	0e+00	0.0e+00	MCRS1

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg16313910	FALSE	0e+00	0.0e+00	SOX30;SOX30;SOX30;SOX30
cg18237551	TRUE	0e+00	0.0e+00	ZNF300
cg23926670	TRUE	0e+00	0.0e+00	PTHLH;PTHLH;PTHLH;PTHLH
cg02567119	TRUE	0e+00	0.0e+00	TLX1;TLX1NB
cg26035915	TRUE	0e+00	0.0e+00	TROVE2;TROVE2;TROVE2;UCHL5
cg26720338	TRUE	0e+00	0.0e+00	JPH3
cg08378286	TRUE	0e+00	0.0e+00	COL23A1
cg06034933	TRUE	0e+00	0.0e+00	HIST3H2A;HIST3H2BB
cg04303571	TRUE	0e+00	0.0e+00	
cg09740671	TRUE	0e+00	0.0e+00	ADCY2
cg03750111	TRUE	0e+00	0.0e+00	CDK18;CDK18;CDK18
cg02656441	TRUE	0e+00	0.0e+00	ING1;ING1;ING1;ING1
cg06711656	TRUE	0e+00	0.0e+00	SLC25A36;SLC25A36
cg17185823	TRUE	0e+00	0.0e+00	FAM167A
cg12719844	TRUE	0e+00	0.0e+00	
cg12655621	TRUE	0e+00	0.0e+00	TOPBP1
cg01882260	TRUE	0e+00	0.0e+00	SLITRK3
cg26056703	TRUE	0e+00	0.0e+00	
cg16137976	TRUE	0e+00	0.0e+00	FBXL4
cg07553761	TRUE	0e+00	0.0e+00	TRIM59
cg00433866	TRUE	0e+00	0.0e+00	MOG;MOG;MOG;MOG;MOG;MOG;MOG;MOG;MOG;MOG
cg05970437	FALSE	0e+00	0.0e+00	KLF16
cg15202447	TRUE	0e+00	0.0e+00	
cg19320612	TRUE	0e+00	0.0e+00	SCN9A
cg17227014	TRUE	0e+00	0.0e+00	MRFAP1;MRFAP1
cg12573002	TRUE	0e+00	0.0e+00	NCR3;NCR3;NCR3;NCR3;NCR3;NCR3
cg15355387	TRUE	0e+00	0.0e+00	CADM2;CADM2
cg15370180	TRUE	0e+00	0.0e+00	
cg18096251	TRUE	0e+00	0.0e+00	
cg20402064	TRUE	0e+00	0.0e+00	SMYD5
cg26789400	TRUE	0e+00	0.0e+00	ZSCAN29;TUBGCP4;TUBGCP4
cg25831522	TRUE	0e+00	0.0e+00	ST5;ST5;ST5
cg10474712	FALSE	0e+00	0.0e+00	
cg24609094	TRUE	0e+00	0.0e+00	
cg12117986	TRUE	0e+00	0.0e+00	MKX
cg21510189	TRUE	0e+00	0.0e+00	
cg00773142	TRUE	0e+00	0.0e+00	PLCG2
cg14128018	TRUE	0e+00	0.0e+00	
cg23394480	FALSE	0e+00	0.0e+00	CDCA4;CDCA4
cg19438982	TRUE	0e+00	0.0e+00	
cg21377158	TRUE	0e+00	0.0e+00	SFMBT2
cg12126857	TRUE	0e+00	0.0e+00	
cg23978242	TRUE	0e+00	0.0e+00	DIP2C
cg18503387	TRUE	0e+00	0.0e+00	MRPS23
cg06549216	TRUE	0e+00	0.0e+00	SFRP2;SFRP2
cg22108374	TRUE	0e+00	0.0e+00	CCDC33
cg15553911	TRUE	0e+00	0.0e+00	CNOT3
cg10609174	TRUE	0e+00	0.0e+00	
cg14782970	TRUE	0e+00	0.0e+00	KRT3
cg11662891	TRUE	0e+00	0.0e+00	GCLM
cg05351302	TRUE	0e+00	0.0e+00	ADAM22;ADAM22;ADAM22;ADAM22;ADAM22
cg09337897	FALSE	0e+00	0.0e+00	

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg02996869	TRUE	0e+00	0.0e+00	LPHN2
cg23953110	TRUE	0e+00	0.0e+00	
cg24004238	TRUE	0e+00	0.0e+00	
cg01405040	TRUE	0e+00	0.0e+00	HOXD12
cg22865455	FALSE	0e+00	0.0e+00	
cg07727872	TRUE	0e+00	0.0e+00	C19orf40;CCDC123
cg06832008	TRUE	0e+00	0.0e+00	
cg19402613	TRUE	0e+00	0.0e+00	ACTR1B
cg24875029	TRUE	0e+00	0.0e+00	POU3F3
cg21442730	TRUE	0e+00	0.0e+00	
cg26279183	TRUE	0e+00	0.0e+00	
cg05598064	TRUE	0e+00	0.0e+00	MYCBP
cg05550371	TRUE	0e+00	0.0e+00	C3orf54
cg15503722	TRUE	0e+00	0.0e+00	BSX
cg22572779	TRUE	0e+00	0.0e+00	C6orf218
cg09720758	TRUE	0e+00	0.0e+00	MFHAS1
cg04436971	TRUE	0e+00	0.0e+00	INO80E
cg01187920	TRUE	0e+00	0.0e+00	CARTPT
cg06816161	TRUE	0e+00	0.0e+00	EZH2;EZH2
cg01172183	TRUE	0e+00	0.0e+00	
cg07172793	TRUE	0e+00	0.0e+00	ZRANB2;ZRANB2
cg09001528	TRUE	0e+00	0.0e+00	SFRS12;SFRS12
cg07279281	TRUE	0e+00	0.0e+00	ALS2CL
cg06616488	TRUE	0e+00	0.0e+00	CD8A;CD8A
cg07893813	TRUE	0e+00	0.0e+00	ARPP19;ARPP19
cg00935782	TRUE	0e+00	0.0e+00	PA2G4
cg09577144	TRUE	0e+00	0.0e+00	DNAH17
cg22892043	TRUE	0e+00	0.0e+00	BEST1;FTH1
cg08390021	TRUE	0e+00	0.0e+00	C18orf54
cg04413853	TRUE	0e+00	0.0e+00	C17orf64
cg15828828	TRUE	0e+00	0.0e+00	ZNF566;ZNF566;ZNF566;ZNF566
cg20214067	TRUE	0e+00	0.0e+00	FBRSL1
cg13081704	TRUE	0e+00	0.0e+00	KCNQ1DN
cg19651132	TRUE	0e+00	0.0e+00	KCNA1
cg05835105	TRUE	0e+00	0.0e+00	PITX2;PITX2;PITX2
cg17621438	TRUE	0e+00	0.0e+00	RNF180;RNF180
cg09287190	TRUE	0e+00	0.0e+00	
cg06758329	TRUE	0e+00	0.0e+00	COLEC12
cg07883823	TRUE	0e+00	0.0e+00	SLC22A3
cg07986239	TRUE	0e+00	0.0e+00	FLJ16779;NKAIN4
cg14720763	TRUE	0e+00	0.0e+00	GDF10
cg23284720	TRUE	0e+00	0.0e+00	
cg01787565	TRUE	0e+00	0.0e+00	KIF26B
cg04777881	FALSE	0e+00	0.0e+00	PPFIBP1;PPFIBP1
cg27150412	TRUE	0e+00	0.0e+00	PRSS36
cg15843572	TRUE	0e+00	0.0e+00	POLE
cg15769921	TRUE	0e+00	0.0e+00	TOP2A
cg27574168	TRUE	0e+00	0.0e+00	WDR7;WDR7;WDR7;WDR7
cg17255063	TRUE	0e+00	0.0e+00	PHOX2B
cg10120555	TRUE	0e+00	0.0e+00	ESRP2
cg14386857	TRUE	0e+00	0.0e+00	
cg09854615	TRUE	0e+00	0.0e+00	



CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg23047920	TRUE	0e+00	0.0e+00	CALM1;CALM1
cg04021372	TRUE	0e+00	0.0e+00	
cg18414381	TRUE	0e+00	0.0e+00	EHF
cg07079719	TRUE	0e+00	0.0e+00	
cg22539420	TRUE	0e+00	0.0e+00	
cg21391133	TRUE	0e+00	0.0e+00	COL20A1
cg13246264	TRUE	0e+00	0.0e+00	LRCH3
cg06464441	TRUE	0e+00	0.0e+00	SCLT1;C4orf33;SCLT1
cg11422045	TRUE	0e+00	0.0e+00	HSD17B12
cg05431842	TRUE	0e+00	0.0e+00	PCDH7;PCDH7;PCDH7
cg01128603	TRUE	0e+00	0.0e+00	SF3B2
cg21946698	TRUE	0e+00	0.0e+00	RGS11;RGS11
cg22159557	FALSE	0e+00	0.0e+00	RBPMS2;RBPMS2
cg26988241	TRUE	0e+00	0.0e+00	RPL36AL;MGAT2;RPL36AL
cg00974685	TRUE	0e+00	0.0e+00	
cg01721569	TRUE	0e+00	0.0e+00	
cg08757531	TRUE	0e+00	0.0e+00	FAM103A1
cg03799957	FALSE	0e+00	0.0e+00	VDAC3;VDAC3
cg14013300	TRUE	0e+00	0.0e+00	XBP1;XBP1
cg11540692	TRUE	0e+00	0.0e+00	SIM1
cg17976065	TRUE	0e+00	0.0e+00	ZSWIM7;ZSWIM7;TTC19
cg09799571	TRUE	0e+00	0.0e+00	LIN28
cg09940355	TRUE	0e+00	0.0e+00	
cg16706751	TRUE	0e+00	0.0e+00	FLJ43663;FLJ43663
cg05139111	TRUE	0e+00	0.0e+00	PHTF1
cg06163371	TRUE	0e+00	0.0e+00	EPHA10;EPHA10
cg26672375	TRUE	0e+00	0.0e+00	
cg11052202	TRUE	0e+00	0.0e+00	
cg26061001	TRUE	0e+00	0.0e+00	C11orf10;FEN1;MIR611
cg21483842	TRUE	0e+00	0.0e+00	CDADC1
cg03607117	TRUE	0e+00	0.0e+00	SFMBT1;SFMBT1;SFMBT1
cg23539261	TRUE	0e+00	0.0e+00	
cg07959574	TRUE	0e+00	0.0e+00	SHISA3
cg15368771	TRUE	0e+00	0.0e+00	ACCN1;ACCN1
cg25619184	TRUE	0e+00	0.0e+00	ZNF266;ZNF266
cg06131578	TRUE	0e+00	0.0e+00	MDC1;MDC1
cg09771049	TRUE	0e+00	0.0e+00	KPNA2
cg11234328	TRUE	0e+00	0.0e+00	UTF1
cg11199713	TRUE	0e+00	0.0e+00	SOX1
cg21238061	TRUE	0e+00	0.0e+00	LPPR1;LPPR1
cg05269534	TRUE	0e+00	0.0e+00	TANK
cg14167688	TRUE	0e+00	0.0e+00	GTF2H4
cg01272202	TRUE	0e+00	0.0e+00	MCC
cg24886770	TRUE	0e+00	0.0e+00	ZNF43
cg19736712	TRUE	0e+00	0.0e+00	ANKRD16;ANKRD16;ANKRD16;FBXO18
cg06488443	TRUE	0e+00	0.0e+00	TBR1
cg15877233	TRUE	0e+00	0.0e+00	C7orf10
cg21215550	TRUE	0e+00	0.0e+00	
cg03720581	TRUE	0e+00	0.0e+00	RNH1;RNH1;RNH1;RNH1;RNH1;RNH1;RNH1;RNH1
cg00900054	TRUE	0e+00	0.0e+00	AKR1A1;AKR1A1;AKR1A1;AKR1A1
cg20935293	TRUE	0e+00	0.0e+00	MARCH10;MARCH10
cg03437748	TRUE	0e+00	0.0e+00	IGF1R

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg20248516	TRUE	0e+00	0.0e+00	EN1
cg23908998	TRUE	0e+00	0.0e+00	DNAJC1
cg24483493	TRUE	0e+00	0.0e+00	TPM1;TPM1;TPM1;TPM1;TPM1;TPM1
cg18001714	TRUE	0e+00	0.0e+00	ANKH
cg23504522	TRUE	0e+00	0.0e+00	
cg14847975	TRUE	0e+00	0.0e+00	ITPR2
cg03197935	FALSE	0e+00	0.0e+00	KCTD21
cg04603176	TRUE	0e+00	0.0e+00	MLL
cg23834254	TRUE	0e+00	0.0e+00	CBR4
cg15348430	TRUE	0e+00	0.0e+00	KDM2B;KDM2B
cg03361102	TRUE	0e+00	0.0e+00	
cg11331078	TRUE	0e+00	0.0e+00	
cg08943107	TRUE	0e+00	0.0e+00	MACF1;MACF1
cg19764066	TRUE	0e+00	0.0e+00	
cg01425586	TRUE	0e+00	0.0e+00	ZNRD1;NCRNA00171;ZNRD1;ZNRD1
cg13472610	TRUE	0e+00	0.0e+00	
cg09436907	TRUE	0e+00	0.0e+00	SYT13
cg06251500	TRUE	0e+00	0.0e+00	KCNH2;KCNH2
cg13736128	TRUE	0e+00	0.0e+00	ZSWIM7;ZSWIM7;TTC19
cg13763729	FALSE	0e+00	0.0e+00	ZFP161;ZFP161;ZFP161
cg04262938	TRUE	0e+00	0.0e+00	
cg09503196	TRUE	0e+00	0.0e+00	ZNF614
cg01693598	TRUE	0e+00	0.0e+00	
cg04865491	TRUE	0e+00	0.0e+00	
cg25613641	TRUE	0e+00	0.0e+00	MGST2;MGST2
cg27182555	TRUE	0e+00	0.0e+00	THAP9
cg18693412	TRUE	0e+00	0.0e+00	TOX2
cg09616959	TRUE	0e+00	0.0e+00	POPDC3
cg22482853	FALSE	0e+00	0.0e+00	MGAT5B;MGAT5B
cg23706268	TRUE	0e+00	0.0e+00	RNASEH2B;RNASEH2B;RNASEH2B;RNASEH2B
cg01025891	TRUE	0e+00	0.0e+00	TAF6;TAF6;TAF6;CNPY4;TAF6
cg04330628	TRUE	0e+00	0.0e+00	MFAP1;MFAP1
cg21599336	TRUE	0e+00	0.0e+00	LOC100128239
cg01295203	TRUE	0e+00	0.0e+00	PRDM14
cg15736220	TRUE	0e+00	0.0e+00	
cg09699896	TRUE	0e+00	0.0e+00	
cg18592307	TRUE	0e+00	0.0e+00	WDR76;WDR76
cg06455470	TRUE	0e+00	0.0e+00	
cg16852440	TRUE	0e+00	0.0e+00	
cg09381003	TRUE	0e+00	0.0e+00	SHKBP1;SPTBN4
cg16736300	TRUE	0e+00	0.0e+00	ZNF414;ZNF414
cg09638944	TRUE	0e+00	0.0e+00	
cg24465448	TRUE	0e+00	0.0e+00	ASAH1;ASAH1;ASAH1;ASAH1;ASAH1
cg04976324	TRUE	0e+00	0.0e+00	PROX1
cg07862608	TRUE	0e+00	0.0e+00	
cg13291296	TRUE	0e+00	0.0e+00	GPR125
cg25829425	TRUE	0e+00	0.0e+00	NRN1
cg18762485	TRUE	0e+00	0.0e+00	CH25H
cg00874480	TRUE	0e+00	0.0e+00	MGST1;MGST1;MGST1;MGST1
cg05503532	TRUE	0e+00	0.0e+00	SLC35B3;SLC35B3;SLC35B3
cg06383124	TRUE	0e+00	0.0e+00	
cg05139061	TRUE	0e+00	0.0e+00	

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg01921323	TRUE	0e+00	0.0e+00	DPP6;DPP6
cg00069242	TRUE	0e+00	0.0e+00	JUB
cg20260841	TRUE	0e+00	0.0e+00	
cg00326259	TRUE	0e+00	0.0e+00	PDZD2
cg13209441	TRUE	0e+00	0.0e+00	DLX6AS
cg15080351	TRUE	0e+00	0.0e+00	FAM50B
cg01105494	TRUE	0e+00	0.0e+00	SPAG17
cg07548282	FALSE	0e+00	0.0e+00	UBTD2
cg14934522	TRUE	0e+00	0.0e+00	SHROOM3
cg01154537	TRUE	0e+00	0.0e+00	C10orf4;C10orf4
cg10359030	TRUE	0e+00	0.0e+00	USE1
cg02531797	TRUE	0e+00	0.0e+00	BAT2
cg24015889	TRUE	0e+00	0.0e+00	
cg13663190	TRUE	0e+00	0.0e+00	CCT7;CCT7;CCT7;CCT7;CCT7;C2orf7;CCT7;CCT7;CCT7;CCT7;CCT7
cg20097593	TRUE	0e+00	0.0e+00	TGFA;TGFA
cg23389061	TRUE	0e+00	0.0e+00	FAM158A
cg05457747	TRUE	0e+00	0.0e+00	
cg26059316	TRUE	0e+00	0.0e+00	
cg11576988	TRUE	0e+00	0.0e+00	HMGH4
cg16028169	TRUE	0e+00	0.0e+00	ANK2
cg07158701	TRUE	0e+00	0.0e+00	STAT3;STAT3;STAT3
cg08598296	TRUE	0e+00	0.0e+00	RHOB1;RHOB1;RHOB1;RHOB1
cg08989979	TRUE	0e+00	0.0e+00	LOC653486;SCGB1C1
cg14627348	TRUE	0e+00	0.0e+00	
cg23925650	TRUE	0e+00	0.0e+00	
cg05762878	TRUE	0e+00	0.0e+00	
cg24906420	TRUE	0e+00	0.0e+00	FBRSL1
cg07953670	TRUE	0e+00	0.0e+00	DMTF1;DMTF1;DMTF1;DMTF1;DMTF1
cg03835095	TRUE	0e+00	0.0e+00	ECE2;CAMK2N2
cg09578028	TRUE	0e+00	0.0e+00	HOXD9
cg08389468	TRUE	0e+00	0.0e+00	
cg20689294	TRUE	0e+00	0.0e+00	PTPRE;PTPRE
cg23058177	TRUE	0e+00	0.0e+00	CYS1
cg03925294	TRUE	0e+00	0.0e+00	
cg20674327	TRUE	0e+00	0.0e+00	C7orf57
cg03236137	TRUE	0e+00	0.0e+00	SEPT9;SEPT9;SEPT9;SEPT9;SEPT9
cg20026346	TRUE	0e+00	0.0e+00	MAP7
cg14486857	TRUE	0e+00	0.0e+00	AP2A2
cg07721779	TRUE	0e+00	0.0e+00	AHCY;AHCY
cg04778012	TRUE	0e+00	0.0e+00	STAG3;GPC2
cg19585597	TRUE	0e+00	0.0e+00	LOC134466
cg04223207	TRUE	0e+00	0.0e+00	NIPAL1
cg06823060	TRUE	0e+00	0.0e+00	CMIP;CMIP
cg24111516	TRUE	0e+00	0.0e+00	GPHN;GPHN;GPHN;GPHN
cg02759002	TRUE	0e+00	0.0e+00	
cg14209549	TRUE	0e+00	0.0e+00	PITRM1
cg21162356	TRUE	0e+00	0.0e+00	
cg24961194	TRUE	0e+00	0.0e+00	
cg08717632	TRUE	0e+00	0.0e+00	
cg09172423	TRUE	0e+00	0.0e+00	UBXN1
cg11828820	TRUE	0e+00	0.0e+00	ZSCAN20
cg02266500	TRUE	0e+00	0.0e+00	

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg13249774	TRUE	0e+00	0.0e+00	LRP5
cg05165989	TRUE	0e+00	0.0e+00	ASXL2;ASXL2
cg23740975	TRUE	0e+00	0.0e+00	SNORD116-3;SNORD116-9
cg18238491	TRUE	0e+00	0.0e+00	SKA1;SKA1;SKA1;SKA1
cg21112943	TRUE	0e+00	0.0e+00	BAT4;CSNK2B
cg07211474	TRUE	0e+00	0.0e+00	TRIM36;TRIM36;TRIM36
cg13915676	TRUE	0e+00	0.0e+00	SDCCAG3;SDCCAG3;PMPCA;SDCCAG3
cg17290332	TRUE	0e+00	0.0e+00	CDNF;HSPA14
cg07960922	TRUE	0e+00	0.0e+00	
cg03363256	TRUE	0e+00	0.0e+00	PAG1
cg15554678	TRUE	0e+00	0.0e+00	psiTPTE22
cg13520327	TRUE	0e+00	0.0e+00	KCNH6;KCNH6
cg16471167	TRUE	0e+00	0.0e+00	BANP;BANP
cg01536980	TRUE	0e+00	0.0e+00	EEF1A1
cg14314744	TRUE	0e+00	0.0e+00	SIM1
cg18502142	TRUE	0e+00	0.0e+00	DLX6AS
cg07200490	TRUE	0e+00	0.0e+00	KIAA1244
cg24408656	TRUE	0e+00	0.0e+00	
cg00550976	TRUE	0e+00	0.0e+00	ALS2CR4;ALS2CR4
cg25003924	TRUE	0e+00	0.0e+00	ARPP19
cg08861404	TRUE	0e+00	0.0e+00	SIGLECP3
cg16431787	TRUE	0e+00	0.0e+00	LOC285768;LOC285768
cg02484047	TRUE	0e+00	0.0e+00	MORG1;MORG1;MAN2B1
cg26902216	TRUE	0e+00	0.0e+00	MAL2
cg17140815	TRUE	0e+00	0.0e+00	ATP6V1F
cg02590292	TRUE	0e+00	0.0e+00	MORC2;TUG1
cg07249939	TRUE	0e+00	0.0e+00	ZBTB12
cg09504131	TRUE	0e+00	0.0e+00	STK24;STK24
cg23615892	TRUE	0e+00	0.0e+00	USH2A
cg20720208	TRUE	0e+00	0.0e+00	
cg16837898	TRUE	0e+00	0.0e+00	
cg17996757	TRUE	0e+00	0.0e+00	MKLN1;MKLN1
cg19029181	TRUE	0e+00	0.0e+00	ZIC1
cg10443049	TRUE	0e+00	0.0e+00	NXPH1
cg17315833	TRUE	0e+00	0.0e+00	RNF130;RNF130
cg22685123	TRUE	0e+00	0.0e+00	ZNF302;ZNF302
cg16600634	TRUE	0e+00	0.0e+00	FLJ42709;FLJ42709;FLJ42709
cg25457437	TRUE	0e+00	0.0e+00	
cg10773016	TRUE	0e+00	0.0e+00	
cg01919885	TRUE	0e+00	0.0e+00	RGS12;RGS12
cg03666500	TRUE	0e+00	0.0e+00	
cg16071681	TRUE	0e+00	0.0e+00	
cg10182697	TRUE	0e+00	0.0e+00	NKX6-2
cg07610765	TRUE	0e+00	0.0e+00	
cg22919916	FALSE	0e+00	0.0e+00	DGCR2
cg10780164	TRUE	0e+00	0.0e+00	CALY
cg04129905	TRUE	0e+00	0.0e+00	SCARNA2
cg26988373	TRUE	0e+00	0.0e+00	PSMB8;PSMB8
cg11220950	TRUE	0e+00	0.0e+00	SYNGR3
cg24156658	TRUE	0e+00	0.0e+00	TIGD3
cg21799605	TRUE	0e+00	0.0e+00	TBCC;TBCC
cg08845123	TRUE	0e+00	0.0e+00	KANK4

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg05045528	TRUE	0e+00	0.0e+00	GPR107;GPR107;GPR107
cg10183965	TRUE	0e+00	0.0e+00	
cg06786630	TRUE	0e+00	0.0e+00	SUMF1;SUMF1;SUMF1
cg24630195	TRUE	0e+00	0.0e+00	IRX2;IRX2
cg14773728	TRUE	0e+00	0.0e+00	DCP2
cg27203983	TRUE	0e+00	0.0e+00	OR1F2P
cg08794928	TRUE	0e+00	0.0e+00	
cg13612958	TRUE	0e+00	0.0e+00	MPV17L2
cg21135533	TRUE	0e+00	0.0e+00	PRDM14
cg11992237	TRUE	0e+00	0.0e+00	UBE2W;UBE2W
cg27292099	TRUE	0e+00	0.0e+00	MACF1;MACF1
cg03252605	TRUE	0e+00	0.0e+00	LRP1B
cg20195064	TRUE	0e+00	0.0e+00	FAM103A1
cg21401879	TRUE	0e+00	0.0e+00	
cg09357140	TRUE	0e+00	0.0e+00	ARHGDIG;PDIA2
cg17334359	TRUE	0e+00	0.0e+00	MAT2B
cg03102442	TRUE	0e+00	0.0e+00	MTSS1
cg26307359	TRUE	0e+00	0.0e+00	SEZ6;SEZ6
cg02515468	TRUE	0e+00	0.0e+00	IGSF22
cg26114642	TRUE	0e+00	0.0e+00	TTC27
cg23556447	TRUE	0e+00	0.0e+00	MDN1
cg15355859	TRUE	0e+00	0.0e+00	ODZ4
cg18355902	TRUE	0e+00	0.0e+00	RNF175;RNF175
cg18836319	TRUE	0e+00	0.0e+00	
cg14416456	TRUE	0e+00	0.0e+00	
cg22488081	TRUE	0e+00	0.0e+00	
cg24631920	TRUE	0e+00	0.0e+00	DDX10
cg22664986	TRUE	0e+00	0.0e+00	ANKRD42
cg25921357	TRUE	0e+00	0.0e+00	TMEM190
cg06898308	TRUE	0e+00	0.0e+00	
cg15994467	TRUE	0e+00	0.0e+00	GRASP
cg12018042	TRUE	0e+00	0.0e+00	MUDENG;MUDENG;MUDENG;EXOC5
cg09041916	TRUE	0e+00	0.0e+00	NRBF2
cg18454189	TRUE	0e+00	0.0e+00	LRRC43;LRRC43
cg12884779	TRUE	0e+00	0.0e+00	DUSP1
cg01974761	TRUE	0e+00	0.0e+00	RUNDC2A
cg07951488	TRUE	0e+00	0.0e+00	SLC30A9;SLC30A9
cg26403559	TRUE	0e+00	0.0e+00	PEMT
cg07375256	TRUE	0e+00	0.0e+00	ZNF498
cg20140229	TRUE	0e+00	0.0e+00	VPS52;RPS18;VPS52
cg09773897	TRUE	0e+00	0.0e+00	NFIC
cg14106632	FALSE	0e+00	0.0e+00	EVI5L
cg17443200	TRUE	0e+00	0.0e+00	
cg23576507	TRUE	0e+00	0.0e+00	ZNF219;C14orf176
cg02503808	TRUE	0e+00	0.0e+00	GRPEL1
cg02737759	TRUE	0e+00	0.0e+00	THAP2;THAP2;ZFC3H1
cg00305374	TRUE	0e+00	0.0e+00	F3
cg20443254	TRUE	0e+00	0.0e+00	ASCL4
cg25360181	TRUE	0e+00	0.0e+00	C6orf223
cg02554771	TRUE	0e+00	0.0e+00	
cg01880437	TRUE	0e+00	0.0e+00	RBPJ;RBPJ;RBPJ;RBPJ
cg12745289	TRUE	0e+00	0.0e+00	RNF19B;RNF19B

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg18153578	TRUE	0e+00	0.0e+00	FAM98C
cg27361370	TRUE	0e+00	0.0e+00	
cg02308560	TRUE	0e+00	0.0e+00	HMHA1
cg24177608	TRUE	0e+00	0.0e+00	ZC3HAV1;ZC3HAV1
cg05602479	TRUE	0e+00	0.0e+00	RNU5E;RNU5D;ZCCHC9;ZCCHC9;ZCCHC9
cg22953017	TRUE	0e+00	0.0e+00	AOX1
cg24631913	TRUE	0e+00	0.0e+00	LOC645323;LOC645323
cg13854983	TRUE	0e+00	0.0e+00	CXCR4
cg01297349	TRUE	0e+00	0.0e+00	
cg15286784	TRUE	0e+00	0.0e+00	C20orf199;SNORD12C;C20orf199;C20orf199;ZNF1
cg22021934	TRUE	0e+00	0.0e+00	CRK;CRK
cg00571021	TRUE	0e+00	0.0e+00	NOS3
cg14478797	TRUE	0e+00	0.0e+00	PHF7;PHF7
cg01413522	TRUE	0e+00	0.0e+00	
cg23045972	TRUE	0e+00	0.0e+00	
cg24172986	TRUE	0e+00	0.0e+00	CEP97
cg14498745	TRUE	0e+00	0.0e+00	KEL
cg17490283	TRUE	0e+00	0.0e+00	NPHP4
cg05821571	TRUE	0e+00	0.0e+00	PTPRN2;PTPRN2;PTPRN2
cg03395846	TRUE	0e+00	0.0e+00	GALNTL2
cg15599483	TRUE	0e+00	0.0e+00	SLC40A1
cg11293610	FALSE	0e+00	0.0e+00	
cg21728825	TRUE	0e+00	0.0e+00	WDR33;WDR33;WDR33
cg08244848	TRUE	0e+00	0.0e+00	EGLN3
cg03555227	TRUE	0e+00	0.0e+00	RANBP17
cg15016513	FALSE	0e+00	0.0e+00	LHPP;LHPP
cg06971253	TRUE	0e+00	0.0e+00	JUB;JUB
cg07070019	TRUE	0e+00	0.0e+00	DYNC1LI1
cg03491478	TRUE	0e+00	0.0e+00	MAPK8IP1
cg12133664	TRUE	0e+00	0.0e+00	CRADD
cg04289036	TRUE	0e+00	0.0e+00	C1orf210;C1orf210;C1orf210
cg00525503	TRUE	0e+00	0.0e+00	
cg08917664	TRUE	0e+00	0.0e+00	BCL9
cg19241831	TRUE	0e+00	0.0e+00	OTOF
cg13515674	TRUE	0e+00	0.0e+00	HMGB2;HMGB2;HMGB2
cg10778288	TRUE	0e+00	0.0e+00	
cg03365437	TRUE	0e+00	0.0e+00	ALDH1A2;ALDH1A2;ALDH1A2;ALDH1A2
cg19204631	FALSE	0e+00	0.0e+00	IPMK;CISD1
cg26259865	TRUE	0e+00	0.0e+00	ZG16B
cg01025599	TRUE	0e+00	0.0e+00	
cg13704548	TRUE	0e+00	0.0e+00	IGDCC4
cg02133234	TRUE	0e+00	0.0e+00	NRBP2
cg05422029	TRUE	0e+00	0.0e+00	
cg03244494	TRUE	0e+00	0.0e+00	CRYL1
cg27093871	TRUE	0e+00	0.0e+00	
cg18108022	TRUE	0e+00	0.0e+00	KLF10;KLF10
cg03480383	TRUE	0e+00	0.0e+00	SPIRE2
cg15163151	TRUE	0e+00	0.0e+00	COX6C
cg15572496	TRUE	0e+00	0.0e+00	TH;TH;TH
cg18101152	TRUE	0e+00	0.0e+00	
cg04729371	TRUE	0e+00	0.0e+00	PPP2R1B;PPP2R1B
cg10481072	TRUE	0e+00	0.0e+00	CDK6;CDK6

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg08796391	TRUE	0e+00	0.0e+00	MAD1L1;MAD1L1;MAD1L1
cg19809453	TRUE	0e+00	0.0e+00	ESPN
cg12409525	TRUE	0e+00	0.0e+00	DSCAM
cg18075315	TRUE	0e+00	0.0e+00	RFX4
cg06983715	TRUE	0e+00	0.0e+00	DDAH1
cg20379239	TRUE	0e+00	0.0e+00	CUGBP2;CUGBP2;CUGBP2;CUGBP2;CUGBP2
cg14037413	TRUE	0e+00	0.0e+00	ZNF143;ZNF143
cg15243034	TRUE	0e+00	0.0e+00	USP35
cg14380939	TRUE	0e+00	0.0e+00	KIAA1045
cg14328676	TRUE	0e+00	0.0e+00	SULT2B1;SULT2B1
cg23777173	TRUE	0e+00	0.0e+00	GALNT9
cg01608030	TRUE	0e+00	0.0e+00	UQCR
cg05722148	TRUE	0e+00	0.0e+00	SART1
cg18592026	TRUE	0e+00	0.0e+00	CDK18;CDK18;CDK18
cg26393393	TRUE	0e+00	0.0e+00	ZDHHHC14;ZDHHHC14
cg02990330	TRUE	0e+00	0.0e+00	C1orf210;C1orf210
cg10076902	TRUE	0e+00	0.0e+00	SYT8
cg15302744	TRUE	0e+00	0.0e+00	ZNF17
cg07207957	TRUE	0e+00	0.0e+00	TMEM33
cg07440398	TRUE	0e+00	0.0e+00	BCL11B;BCL11B
cg11202634	TRUE	0e+00	0.0e+00	
cg19014941	TRUE	0e+00	0.0e+00	GRID1
cg17525856	TRUE	0e+00	0.0e+00	EPCAM
cg15443174	TRUE	0e+00	0.0e+00	SHPRH;SHPRH
cg09491948	TRUE	0e+00	0.0e+00	UBXN1
cg15852516	TRUE	0e+00	0.0e+00	MTMR7;MTMR7
cg02342515	TRUE	0e+00	0.0e+00	PTPN5;PTPN5;PTPN5
cg02646491	TRUE	0e+00	0.0e+00	KCNQ1DN
cg00821764	TRUE	0e+00	0.0e+00	UMPS
cg27367721	TRUE	0e+00	0.0e+00	LYRM1;LYRM1;LYRM1
cg03322161	TRUE	0e+00	0.0e+00	
cg22850925	TRUE	0e+00	0.0e+00	ZNF827
cg10264188	TRUE	0e+00	0.0e+00	KCNK4
cg02381539	TRUE	0e+00	0.0e+00	
cg21232671	TRUE	0e+00	0.0e+00	
cg05207943	TRUE	0e+00	0.0e+00	
cg19436415	FALSE	0e+00	0.0e+00	
cg25437385	TRUE	0e+00	0.0e+00	SLC35F3
cg02759005	TRUE	0e+00	0.0e+00	SELK;SELK
cg06286308	TRUE	0e+00	0.0e+00	UBE2N
cg25854527	TRUE	0e+00	0.0e+00	
cg17330176	TRUE	0e+00	0.0e+00	ZFYVE28
cg13678070	TRUE	0e+00	0.0e+00	GLO1
cg00281600	FALSE	0e+00	0.0e+00	ZNF767;ZNF767
cg02519892	TRUE	0e+00	0.0e+00	
cg08566449	TRUE	0e+00	0.0e+00	BAT4
cg08767710	TRUE	0e+00	0.0e+00	ATP6V0E2;LOC401431;ATP6V0E2;ATP6V0E2;ATP6V0E2
cg27197276	TRUE	0e+00	0.0e+00	C2CD4A
cg03875450	TRUE	0e+00	0.0e+00	PTCH1;PTCH1;PTCH1;PTCH1;PTCH1;PTCH1;PTCH1;PTCH1
cg12080503	TRUE	0e+00	0.0e+00	
cg15147060	TRUE	0e+00	0.0e+00	CGGBP1;CGGBP1
cg07971820	TRUE	0e+00	0.0e+00	ARRB2;ARRB2

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg07462292	TRUE	0e+00	0.0e+00	ALX4
cg14962774	TRUE	0e+00	0.0e+00	GDAP2;GDAP2;WDR3
cg18031708	TRUE	0e+00	0.0e+00	
cg20114394	TRUE	0e+00	0.0e+00	FSTL1
cg00109764	TRUE	0e+00	0.0e+00	
cg05428781	TRUE	0e+00	0.0e+00	CNOT8
cg16907885	TRUE	0e+00	0.0e+00	
cg04674956	TRUE	0e+00	0.0e+00	
cg13228105	TRUE	0e+00	0.0e+00	PLXNA2;PLXNA2
cg01288067	TRUE	0e+00	0.0e+00	MELK
cg21255356	TRUE	0e+00	0.0e+00	
cg27055156	TRUE	0e+00	0.0e+00	
cg08749108	TRUE	0e+00	0.0e+00	
cg19545621	TRUE	0e+00	0.0e+00	FAM119A;FAM119A
cg00879206	TRUE	0e+00	0.0e+00	PRR14
cg23236270	TRUE	0e+00	0.0e+00	OPCML
cg25116125	TRUE	0e+00	0.0e+00	SQRDL
cg11550064	TRUE	0e+00	0.0e+00	HDAC4
cg20266104	TRUE	0e+00	0.0e+00	TMEM11;TMEM11
cg26420739	TRUE	0e+00	0.0e+00	FDPS;FDPS;FDPS;FDPS;FDPS
cg20872579	TRUE	0e+00	0.0e+00	MRFAP1
cg16540391	TRUE	0e+00	0.0e+00	PLEKHG1
cg07096901	TRUE	0e+00	0.0e+00	ANPEP
cg15305172	TRUE	0e+00	0.0e+00	RWDD1;RWDD1;RWDD1;RWDD1;RWDD1
cg08441314	TRUE	0e+00	0.0e+00	SORL1
cg12219045	TRUE	0e+00	0.0e+00	LDOC1L
cg20531392	TRUE	0e+00	0.0e+00	DUSP5;DUSP5
cg23244254	TRUE	0e+00	0.0e+00	LOC149134
cg01529770	TRUE	0e+00	0.0e+00	SARS2;MRPS12;MRPS12;MRPS12;SARS2;MRPS12;MRPS12;MRPS12
cg21869586	TRUE	0e+00	0.0e+00	
cg02458499	TRUE	0e+00	0.0e+00	NUDCD1;NUDCD1
cg09387687	TRUE	0e+00	0.0e+00	PVRL3
cg24009623	TRUE	0e+00	0.0e+00	
cg24294159	TRUE	0e+00	0.0e+00	LASS2;LASS2
cg07544653	TRUE	0e+00	0.0e+00	CYB5A;CYB5A
cg02686533	TRUE	0e+00	0.0e+00	DHX38;TXNL4B;TXNL4B;DHX38;TXNL4B;TXNL4B
cg00566982	TRUE	0e+00	0.0e+00	DNHD1
cg14041100	TRUE	0e+00	0.0e+00	CHD7
cg23997263	TRUE	0e+00	0.0e+00	FUT9
cg02599068	TRUE	0e+00	0.0e+00	DNAJC27
cg09193981	TRUE	0e+00	0.0e+00	GAPDH
cg00597713	TRUE	0e+00	0.0e+00	PEX6
cg18804615	TRUE	0e+00	0.0e+00	DIO3;DIO3;MIR1247
cg05380008	TRUE	0e+00	0.0e+00	NAGA
cg22357164	TRUE	0e+00	0.0e+00	RNF213;RNF213
cg11553308	TRUE	0e+00	0.0e+00	AGAP1;AGAP1
cg25594681	TRUE	0e+00	0.0e+00	TTC26;TTC26;TTC26;TTC26;TTC26;TTC26
cg18564448	FALSE	0e+00	0.0e+00	KIAA1737
cg21537235	TRUE	0e+00	0.0e+00	PCDHAC2;PCDHA7;PCDHA12;PCDHA6;PCDHA10;PCDHA4;PCDHA
cg09433509	TRUE	0e+00	0.0e+00	
cg22329515	TRUE	0e+00	0.0e+00	PATE4
cg08490173	FALSE	0e+00	0.0e+00	FEM1C;FEM1C



CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg23438298	TRUE	0e+00	0.0e+00	
cg18749273	TRUE	0e+00	0.0e+00	FEM1B
cg06494782	TRUE	0e+00	0.0e+00	KRT72;KRT72;KRT72
cg21167157	TRUE	0e+00	0.0e+00	HIP1R
cg10898182	TRUE	0e+00	0.0e+00	
cg09334731	TRUE	0e+00	0.0e+00	CAMTA1
cg07650504	TRUE	0e+00	0.0e+00	COL2A1;COL2A1
cg13800209	TRUE	0e+00	0.0e+00	MEIS2;MEIS2;MEIS2;MEIS2;MEIS2;MEIS2
cg06342283	TRUE	0e+00	0.0e+00	NRD1;NRD1
cg04936274	TRUE	0e+00	0.0e+00	
cg16380632	TRUE	0e+00	0.0e+00	CAMTA1
cg08702915	TRUE	0e+00	0.0e+00	RABGGTB;SNORD45B
cg05923519	TRUE	0e+00	0.0e+00	LRCH1;LRCH1;LRCH1
cg06649410	TRUE	0e+00	0.0e+00	OPRM1;OPRM1;OPRM1;OPRM1;OPRM1;OPRM1;OPRM1;OPRM1;OPRM1;OPRM1
cg06289725	TRUE	0e+00	0.0e+00	CHRM1
cg09068528	TRUE	0e+00	0.0e+00	ACADL;ACADL
cg13472735	FALSE	0e+00	0.0e+00	
cg12980900	TRUE	0e+00	0.0e+00	SFRS14;ARMC6;SFRS14
cg19160624	TRUE	0e+00	0.0e+00	
cg15412736	TRUE	0e+00	0.0e+00	PTEN;KILLIN
cg10152131	TRUE	0e+00	0.0e+00	
cg14561934	TRUE	0e+00	0.0e+00	FAM171A1
cg23093589	TRUE	0e+00	0.0e+00	SP8;SP8
cg03583016	TRUE	0e+00	0.0e+00	FLJ32063
cg02928699	TRUE	0e+00	0.0e+00	GRM5;GRM5
cg08767286	TRUE	0e+00	0.0e+00	GBX2
cg17954603	TRUE	0e+00	0.0e+00	MLF1IP
cg17799033	TRUE	0e+00	0.0e+00	PTPRN2;PTPRN2;PTPRN2
cg12799689	TRUE	0e+00	0.0e+00	DOK6
cg22392857	TRUE	0e+00	0.0e+00	TNFAIP8L2
cg02654291	TRUE	0e+00	0.0e+00	C9orf64
cg22974920	TRUE	0e+00	0.0e+00	BRWD1;BRWD1;BRWD1
cg13749420	TRUE	0e+00	0.0e+00	CPLX4
cg05254821	TRUE	0e+00	0.0e+00	
cg17003783	TRUE	0e+00	0.0e+00	FUT10;FUT10
cg11091012	TRUE	0e+00	0.0e+00	NDRG1;NDRG1
cg04671742	TRUE	0e+00	0.0e+00	LAG3;LAG3
cg04334011	TRUE	0e+00	0.0e+00	ZNF219;ZNF219;ZNF219
cg25589651	TRUE	0e+00	0.0e+00	TRIM27
cg03643414	FALSE	0e+00	0.0e+00	SOX12
cg11012965	TRUE	0e+00	0.0e+00	
cg17410236	TRUE	0e+00	0.0e+00	FLRT2;FLRT2
cg13480357	TRUE	0e+00	0.0e+00	CCDC108;CCDC108
cg07085476	TRUE	0e+00	0.0e+00	PCF11
cg01719223	TRUE	0e+00	0.0e+00	MAD1L1;MAD1L1;MAD1L1
cg02888867	TRUE	0e+00	0.0e+00	TRPM7
cg02657244	TRUE	0e+00	0.0e+00	RAP1GDS1;RAP1GDS1;RAP1GDS1;RAP1GDS1;RAP1GDS1;RAP1GDS1
cg08954025	TRUE	0e+00	0.0e+00	PTPRN2;PTPRN2;PTPRN2
cg07959982	TRUE	0e+00	0.0e+00	MTRF1L;MTRF1L
cg21251000	FALSE	0e+00	0.0e+00	BIVM;KDELC1;BIVM
cg21831467	TRUE	0e+00	0.0e+00	
cg17153055	TRUE	0e+00	0.0e+00	MALAT1

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg16079541	TRUE	0e+00	0.0e+00	
cg16935039	TRUE	0e+00	0.0e+00	
cg13933293	TRUE	0e+00	0.0e+00	
cg07945480	TRUE	0e+00	0.0e+00	GRK4;GRK4;GRK4;NOP14
cg19865725	TRUE	0e+00	0.0e+00	
cg15146556	TRUE	0e+00	0.0e+00	RBM6;RBM6
cg15319032	TRUE	0e+00	0.0e+00	BTNL2
cg18748686	TRUE	0e+00	0.0e+00	TIMM44
cg05457768	TRUE	0e+00	0.0e+00	
cg14691364	TRUE	0e+00	0.0e+00	GRM8;GRM8;GRM8
cg16834726	TRUE	0e+00	0.0e+00	DCTN2
cg04325591	TRUE	0e+00	0.0e+00	FA2H
cg07638871	TRUE	0e+00	0.0e+00	MIER3
cg26856330	TRUE	0e+00	0.0e+00	NR2C2AP
cg08885409	TRUE	0e+00	0.0e+00	CUEDC1
cg13799227	TRUE	0e+00	0.0e+00	
cg15474402	TRUE	0e+00	0.0e+00	
cg24608684	TRUE	0e+00	0.0e+00	
cg14510812	TRUE	0e+00	0.0e+00	SLC6A15;SLC6A15;SLC6A15
cg20699305	TRUE	0e+00	0.0e+00	ACTL8
cg15427567	TRUE	0e+00	0.0e+00	METT11D1;METT11D1;METT11D1;METT11D1
cg01898370	TRUE	0e+00	0.0e+00	MAEA;MAEA
cg10165847	TRUE	0e+00	0.0e+00	NPAS2
cg07381930	TRUE	0e+00	0.0e+00	GOLGA7B
cg03532926	TRUE	0e+00	0.0e+00	DPP6
cg05223847	TRUE	0e+00	0.0e+00	BUB3;BUB3;BUB3;BUB3
cg21463380	TRUE	0e+00	0.0e+00	SST
cg15168995	TRUE	0e+00	0.0e+00	CARD10
cg09721659	TRUE	0e+00	0.0e+00	TSHR;TSHR;TSHR
cg25143746	TRUE	0e+00	0.0e+00	SBDS
cg05190557	TRUE	0e+00	0.0e+00	CANX;CANX
cg00083018	TRUE	0e+00	0.0e+00	
cg17432513	TRUE	0e+00	0.0e+00	
cg01442550	TRUE	0e+00	0.0e+00	SMOC2;SMOC2
cg01963240	TRUE	0e+00	0.0e+00	BMP4;BMP4;BMP4
cg16630229	TRUE	0e+00	0.0e+00	COL11A2;COL11A2;COL11A2;COL11A2
cg18979491	TRUE	0e+00	0.0e+00	LBP
cg20447038	TRUE	0e+00	0.0e+00	ETV7
cg12195742	TRUE	0e+00	0.0e+00	FAM69C
cg22037121	TRUE	0e+00	0.0e+00	UNC80;UNC80
cg24327836	TRUE	0e+00	0.0e+00	AGPAT6
cg15210276	TRUE	0e+00	0.0e+00	HAPLN4
cg08678925	TRUE	0e+00	0.0e+00	ALPK3
cg18883807	TRUE	0e+00	0.0e+00	
cg03095800	TRUE	0e+00	0.0e+00	NOL3
cg00789528	TRUE	0e+00	0.0e+00	TOX2
cg22929859	TRUE	0e+00	0.0e+00	TBX5;TBX5;TBX5;TBX5
cg08351536	TRUE	0e+00	0.0e+00	MARCH10;MARCH10
cg04613258	TRUE	0e+00	0.0e+00	NGFR
cg12362077	TRUE	0e+00	0.0e+00	STK35
cg18206105	TRUE	0e+00	0.0e+00	CNNM2;CNNM2;CNNM2
cg10133935	TRUE	0e+00	0.0e+00	DAZAP1;DAZAP1

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg26236440	TRUE	0e+00	0.0e+00	CHCHD5
cg21036162	TRUE	0e+00	0.0e+00	
cg08304190	TRUE	0e+00	0.0e+00	MIR663
cg20051477	TRUE	0e+00	0.0e+00	BRD2;BRD2
cg23270415	FALSE	0e+00	0.0e+00	HSPA7
cg18037230	TRUE	0e+00	0.0e+00	C19orf40;CCDC123
cg07732888	TRUE	0e+00	0.0e+00	
cg25407410	TRUE	0e+00	0.0e+00	LOC285740
cg14596623	FALSE	0e+00	0.0e+00	GPR155;GPR155
cg23343444	TRUE	0e+00	0.0e+00	HIST2H2AB;HIST2H2BE
cg16803141	TRUE	0e+00	0.0e+00	ZNF467
cg25017369	TRUE	0e+00	0.0e+00	
cg27272363	TRUE	0e+00	0.0e+00	
cg00842534	TRUE	0e+00	0.0e+00	ZNF526
cg18643093	TRUE	0e+00	0.0e+00	ANXA6;ANXA6
cg27257408	TRUE	0e+00	0.0e+00	ACSBG1
cg15727424	FALSE	0e+00	0.0e+00	TNXB
cg14809705	TRUE	0e+00	0.0e+00	SLFN12L
cg01458420	TRUE	0e+00	0.0e+00	SPATA2
cg26480745	TRUE	0e+00	0.0e+00	SLC2A4
cg04424052	TRUE	0e+00	0.0e+00	PERP
cg18996202	TRUE	0e+00	0.0e+00	HLA-B
cg10924077	TRUE	0e+00	0.0e+00	GPRC5C;GPRC5C
cg08308556	TRUE	0e+00	0.0e+00	ARID1B;ARID1B;ARID1B
cg01015769	TRUE	0e+00	0.0e+00	
cg25072766	TRUE	0e+00	0.0e+00	CARS;CARS;CARS;CARS
cg00262054	TRUE	0e+00	0.0e+00	MYO18A;MYO18A
cg00782355	TRUE	0e+00	0.0e+00	
cg04288108	TRUE	0e+00	0.0e+00	
cg15768282	FALSE	0e+00	0.0e+00	CD63;CD63
cg20715589	TRUE	0e+00	0.0e+00	ENKUR;THNSL1
cg24239882	TRUE	0e+00	0.0e+00	ST8SIA1
cg21700043	TRUE	0e+00	0.0e+00	LEO1
cg21066537	TRUE	0e+00	0.0e+00	C9orf140
cg19656974	TRUE	0e+00	0.0e+00	
cg23997402	TRUE	0e+00	0.0e+00	LPHN1;LPHN1
cg06947106	FALSE	0e+00	0.0e+00	CAPRIN2;CAPRIN2;CAPRIN2
cg22396798	TRUE	0e+00	0.0e+00	CCNDBP1;CCNDBP1;CCNDBP1;CCNDBP1
cg01636413	TRUE	0e+00	0.0e+00	
cg06576732	TRUE	0e+00	0.0e+00	
cg23619399	TRUE	0e+00	0.0e+00	
cg25596754	TRUE	0e+00	0.0e+00	TNXB
cg14106298	TRUE	0e+00	0.0e+00	TIA1;TIA1;TIA1;TIA1
cg09558961	TRUE	0e+00	0.0e+00	RUFY2;RUFY2
cg01376826	TRUE	0e+00	0.0e+00	ZIC1
cg22060735	TRUE	0e+00	0.0e+00	SRD5A3
cg00820718	TRUE	0e+00	0.0e+00	C1QL2
cg20536041	TRUE	0e+00	0.0e+00	
cg19720917	TRUE	0e+00	0.0e+00	POLR2I;TBCB;TBCB
cg03587978	TRUE	0e+00	0.0e+00	GHSR;GHSR
cg25051831	TRUE	0e+00	0.0e+00	PCDH7;PCDH7;PCDH7
cg14590331	TRUE	0e+00	0.0e+00	CAMSAP1

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg12109968	TRUE	0e+00	0.0e+00	ATP9A
cg25285904	TRUE	0e+00	0.0e+00	
cg11298680	TRUE	0e+00	0.0e+00	DNAJC8
cg18270378	TRUE	0e+00	0.0e+00	
cg08389277	TRUE	0e+00	0.0e+00	CSRNP3
cg26149244	TRUE	0e+00	0.0e+00	
cg07875068	TRUE	0e+00	0.0e+00	
cg20740845	TRUE	0e+00	0.0e+00	
cg16443434	TRUE	0e+00	0.0e+00	PTEN;KILLIN;KILLIN
cg03172212	TRUE	0e+00	0.0e+00	FAF2
cg16202598	TRUE	0e+00	0.0e+00	NDUFB5;MRPL47;MRPL47
cg22553461	TRUE	0e+00	0.0e+00	SUPT6H;SDF2
cg15465219	TRUE	0e+00	0.0e+00	
cg00722320	TRUE	0e+00	0.0e+00	MIR184
cg24867180	TRUE	0e+00	0.0e+00	JMJD7-PLA2G4B;JMJD7;JMJD7-PLA2G4B
cg19940312	TRUE	0e+00	0.0e+00	SLIT2
cg19049165	TRUE	0e+00	0.0e+00	DCHS2
cg24814784	TRUE	0e+00	0.0e+00	NEU1
cg13345957	TRUE	0e+00	0.0e+00	
cg20429954	FALSE	0e+00	0.0e+00	GRM8;GRM8;GRM8
cg00947019	TRUE	0e+00	0.0e+00	H2AFV;H2AFV;H2AFV;H2AFV;H2AFV
cg01992890	TRUE	0e+00	0.0e+00	SHQ1
cg24419363	TRUE	0e+00	0.0e+00	SMPD1;SMPD1;SMPD1
cg18334734	TRUE	0e+00	0.0e+00	LOC645323
cg14866595	TRUE	0e+00	0.0e+00	
cg18020334	TRUE	0e+00	0.0e+00	HLA-C
cg26912078	TRUE	0e+00	0.0e+00	ANKRD39
cg07884213	TRUE	0e+00	0.0e+00	RSPRY1;FAM192A
cg13472734	TRUE	0e+00	0.0e+00	
cg22834998	TRUE	0e+00	0.0e+00	STC2;STC2
cg04553960	TRUE	0e+00	0.0e+00	KIF1A
cg24078566	TRUE	0e+00	0.0e+00	BMPR2;BMPR2
cg09398966	TRUE	0e+00	0.0e+00	CLPX
cg13684113	TRUE	0e+00	0.0e+00	TMED7-TICAM2;TMED7-TICAM2
cg15077975	TRUE	0e+00	0.0e+00	
cg20457796	TRUE	0e+00	0.0e+00	SLC18A3;CHAT
cg04910677	TRUE	0e+00	0.0e+00	BARX2
cg01069738	TRUE	0e+00	0.0e+00	RBP1
cg05776388	TRUE	0e+00	0.0e+00	CDR2L
cg03729603	TRUE	0e+00	0.0e+00	CACNG3
cg23627335	TRUE	0e+00	0.0e+00	
cg05654980	TRUE	0e+00	0.0e+00	CNIH4
cg13945301	TRUE	0e+00	0.0e+00	NR4A2
cg27087423	TRUE	0e+00	0.0e+00	PSMA1;PSMA1;PSMA1
cg17270821	TRUE	0e+00	0.0e+00	INPP5A
cg27315170	TRUE	0e+00	0.0e+00	NEU1
cg19651694	TRUE	0e+00	0.0e+00	PHOX2A;PHOX2A
cg26286901	TRUE	0e+00	0.0e+00	PEBP4
cg01470599	TRUE	0e+00	0.0e+00	IGFBPL1
cg26061772	TRUE	0e+00	0.0e+00	CASC3
cg07812957	TRUE	0e+00	0.0e+00	
cg16530970	TRUE	0e+00	0.0e+00	MIR549;KIAA1199

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg01737003	TRUE	0e+00	0.0e+00	
cg14129589	TRUE	0e+00	0.0e+00	TSPAN9;TSPAN9
cg01432520	TRUE	0e+00	0.0e+00	ESRRG;ESRRG;ESRRG
cg05389560	TRUE	0e+00	0.0e+00	RECQL;RECQL;GOLT1B
cg15374053	TRUE	0e+00	0.0e+00	
cg02571816	TRUE	0e+00	0.0e+00	PPP1R14A
cg10147507	TRUE	0e+00	0.0e+00	ARHGEF3
cg27200236	TRUE	0e+00	0.0e+00	
cg05300158	TRUE	0e+00	0.0e+00	SETD7
cg06858294	TRUE	0e+00	0.0e+00	ALOX12B
cg01388979	TRUE	0e+00	0.0e+00	NAV2
cg27307206	TRUE	0e+00	0.0e+00	
cg05404227	TRUE	0e+00	0.0e+00	
cg02083234	TRUE	0e+00	0.0e+00	FEZF2
cg17126533	TRUE	0e+00	0.0e+00	MPV17L2
cg07086381	TRUE	0e+00	0.0e+00	AGXT2L1;AGXT2L1;AGXT2L1;AGXT2L1;AGXT2L1
cg26268016	TRUE	0e+00	0.0e+00	C7orf60
cg00520612	TRUE	0e+00	0.0e+00	RPL24
cg10466421	TRUE	0e+00	0.0e+00	JAM2
cg18003751	TRUE	0e+00	0.0e+00	
cg02996684	TRUE	0e+00	0.0e+00	GGA3;MRPS7;MRPS7;GGA3
cg03203274	TRUE	0e+00	0.0e+00	C6orf154
cg10703826	TRUE	0e+00	0.0e+00	TBX15;TBX15
cg19239040	TRUE	0e+00	0.0e+00	
cg18012350	TRUE	0e+00	0.0e+00	UBL7;UBL7
cg07080177	TRUE	0e+00	0.0e+00	
cg11614451	TRUE	0e+00	0.0e+00	TRIM59
cg25526039	TRUE	0e+00	0.0e+00	SOBP
cg01496696	TRUE	0e+00	0.0e+00	PTPRN2;PTPRN2;PTPRN2
cg00887814	TRUE	0e+00	0.0e+00	
cg06067302	TRUE	0e+00	0.0e+00	SGSM3
cg09510202	TRUE	0e+00	0.0e+00	PHACTR1
cg16660547	TRUE	0e+00	0.0e+00	VTI1A
cg14834466	TRUE	0e+00	0.0e+00	SUV420H1;SUV420H1
cg03836747	TRUE	0e+00	0.0e+00	
cg12884169	TRUE	0e+00	0.0e+00	ERG;ERG
cg26928877	TRUE	0e+00	0.0e+00	
cg25086948	TRUE	0e+00	0.0e+00	C3orf21
cg19761211	TRUE	0e+00	0.0e+00	ST3GAL2
cg08999477	TRUE	0e+00	0.0e+00	HSD17B12;HSD17B12
cg21567958	TRUE	0e+00	0.0e+00	
cg18422853	TRUE	0e+00	0.0e+00	TJP1;TJP1
cg19407604	TRUE	0e+00	0.0e+00	
cg26624026	TRUE	0e+00	0.0e+00	
cg06962970	TRUE	0e+00	0.0e+00	NTM
cg01042948	TRUE	0e+00	0.0e+00	
cg11249452	TRUE	0e+00	0.0e+00	SNRPE
cg06305175	TRUE	0e+00	0.0e+00	AGFG1;AGFG1;AGFG1;AGFG1
cg09729172	TRUE	0e+00	0.0e+00	POTEF
cg15382538	TRUE	0e+00	0.0e+00	
cg13386234	TRUE	0e+00	0.0e+00	DAD1
cg05419984	FALSE	0e+00	0.0e+00	PIGX;PIGX;C3orf34

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg27479267	TRUE	0e+00	0.0e+00	ANK1
cg26576136	TRUE	0e+00	0.0e+00	VEZT;FGD6
cg05053978	TRUE	0e+00	0.0e+00	DCBLD1
cg20459495	TRUE	0e+00	0.0e+00	
cg16277922	TRUE	0e+00	0.0e+00	ASAP1
cg02335533	TRUE	0e+00	0.0e+00	PTHLH;PTHLH;PTHLH;PTHLH
cg00689211	TRUE	0e+00	0.0e+00	TMPRSS2;TMPRSS2
cg15844438	TRUE	0e+00	0.0e+00	MAML3
cg00568641	TRUE	0e+00	0.0e+00	RPL26L1;LOC100268168;LOC100268168
cg17403995	TRUE	0e+00	0.0e+00	
cg13720362	TRUE	0e+00	0.0e+00	NR2E1
cg21158896	TRUE	0e+00	0.0e+00	RPS13;RPS13
cg23214285	TRUE	0e+00	0.0e+00	BZW2;ANKMY2;BZW2;BZW2
cg25333826	TRUE	0e+00	0.0e+00	RTN4;RTN4;RTN4;RTN4
cg09816693	TRUE	0e+00	0.0e+00	VSX2
cg05904135	TRUE	0e+00	0.0e+00	NKX6-2
cg18804985	TRUE	0e+00	0.0e+00	CXCL2
cg12008680	FALSE	0e+00	0.0e+00	BACH1;BACH1
cg02011953	TRUE	0e+00	0.0e+00	LPPR1
cg02498927	TRUE	0e+00	0.0e+00	
cg03288621	FALSE	0e+00	0.0e+00	C11orf95
cg05833067	TRUE	0e+00	0.0e+00	
cg14565764	TRUE	0e+00	0.0e+00	ODZ4
cg14283758	TRUE	0e+00	0.0e+00	
cg01974100	TRUE	0e+00	0.0e+00	FAM179B;KLHL28;KLHL28
cg02855360	TRUE	0e+00	0.0e+00	C5orf30
cg02341571	TRUE	0e+00	0.0e+00	PATL2
cg20879576	TRUE	0e+00	0.0e+00	PKNOX2
cg11679069	TRUE	0e+00	0.0e+00	DNAJC15
cg22682811	TRUE	0e+00	0.0e+00	
cg17010100	TRUE	0e+00	0.0e+00	PDE4D;PDE4D
cg02773889	TRUE	0e+00	0.0e+00	
cg00176638	TRUE	0e+00	0.0e+00	KDM5B
cg25388451	TRUE	0e+00	0.0e+00	DOCK4
cg14085166	TRUE	0e+00	0.0e+00	KLF9;KLF9
cg16788234	TRUE	0e+00	0.0e+00	NPAT;ATM;NPAT
cg07250162	TRUE	0e+00	0.0e+00	
cg11294761	TRUE	0e+00	0.0e+00	CD7
cg16793866	TRUE	0e+00	0.0e+00	TMEM90B
cg12323274	TRUE	0e+00	0.0e+00	BRUNOL4;BRUNOL4;BRUNOL4;BRUNOL4
cg24235828	FALSE	0e+00	0.0e+00	PPP2R2C
cg00952050	TRUE	0e+00	0.0e+00	MYH7B
cg21424801	TRUE	0e+00	0.0e+00	MRPS18B;PPP1R10
cg11063729	TRUE	0e+00	0.0e+00	TFAP2A;TFAP2A
cg00110545	TRUE	0e+00	0.0e+00	
cg05964212	TRUE	0e+00	0.0e+00	SLC25A20
cg02147989	TRUE	0e+00	0.0e+00	ZC3HAV1;ZC3HAV1
cg03541331	TRUE	0e+00	0.0e+00	DDAH1;DDAH1
cg26337884	TRUE	0e+00	0.0e+00	PRKG1;PRKG1
cg22162404	TRUE	0e+00	0.0e+00	LASS4
cg04957177	TRUE	0e+00	0.0e+00	RNASE12
cg04739729	TRUE	0e+00	0.0e+00	PBX3;PBX3;PBX3;PBX3;PBX3

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg11493924	TRUE	0e+00	0.0e+00	SLC38A9
cg12586050	TRUE	0e+00	0.0e+00	C1QTNF2
cg13333405	TRUE	0e+00	0.0e+00	PLEKHJ1;SF3A2
cg12362662	TRUE	0e+00	0.0e+00	C10orf114;C10orf114;MIR1915
cg25911245	TRUE	0e+00	0.0e+00	FUCA2
cg03317293	TRUE	0e+00	0.0e+00	MRPL24;MRPL24
cg24431667	TRUE	0e+00	0.0e+00	IGF2AS;INS-IGF2;IGF2;IGF2AS;IGF2
cg15025383	TRUE	0e+00	0.0e+00	LTB;LTB
cg21569090	TRUE	0e+00	0.0e+00	ZNF426
cg15121420	TRUE	0e+00	0.0e+00	RAB17
cg14428310	TRUE	0e+00	0.0e+00	RAB38
cg25182206	TRUE	0e+00	0.0e+00	GPR78
cg17630641	TRUE	0e+00	0.0e+00	
cg01257828	TRUE	0e+00	0.0e+00	FGF12;FGF12
cg22219089	TRUE	0e+00	0.0e+00	FAM149A;FAM149A
cg23517605	TRUE	0e+00	0.0e+00	TUBB2B
cg08723793	FALSE	0e+00	0.0e+00	WNK1
cg03530962	TRUE	0e+00	0.0e+00	
cg18351607	TRUE	0e+00	0.0e+00	PSTK
cg06770993	TRUE	0e+00	0.0e+00	USP19
cg27189973	TRUE	0e+00	0.0e+00	FAM38A
cg14476358	TRUE	0e+00	0.0e+00	GPR144
cg02177391	TRUE	0e+00	0.0e+00	CORO2B
cg16756527	TRUE	0e+00	0.0e+00	RCAN1;RCAN1;RCAN1
cg06039747	FALSE	0e+00	0.0e+00	
cg18183163	TRUE	0e+00	0.0e+00	SP5
cg15094908	TRUE	0e+00	0.0e+00	GALNTL4
cg17301980	TRUE	0e+00	0.0e+00	ZNF592
cg03119748	TRUE	0e+00	0.0e+00	CAMK1D;CAMK1D
cg05482022	TRUE	0e+00	0.0e+00	
cg20278291	TRUE	0e+00	0.0e+00	OTX2;OTX2;OTX2
cg06643156	TRUE	0e+00	0.0e+00	PXK
cg18379455	TRUE	0e+00	0.0e+00	
cg12700853	TRUE	0e+00	0.0e+00	MYOCD;MYOCD
cg08877781	FALSE	0e+00	0.0e+00	
cg21915639	TRUE	0e+00	0.0e+00	LRRC41;UQCRH
cg00656411	TRUE	0e+00	0.0e+00	
cg07433663	TRUE	0e+00	0.0e+00	MEIS2;MEIS2;MEIS2;MEIS2;MEIS2;MEIS2
cg21127303	FALSE	0e+00	0.0e+00	HIST1H2AB
cg25468863	TRUE	0e+00	0.0e+00	SPG20;SPG20;SPG20;SPG20
cg03011594	FALSE	0e+00	0.0e+00	GNAO1;GNAO1
cg03369196	TRUE	0e+00	0.0e+00	BRPF1;BRPF1
cg18348274	TRUE	0e+00	0.0e+00	C7orf42
cg11735427	TRUE	0e+00	0.0e+00	
cg09914581	TRUE	0e+00	0.0e+00	E2F6;E2F6;E2F6;E2F6;E2F6
cg16295725	TRUE	0e+00	0.0e+00	ZNF518B
cg01000954	FALSE	0e+00	0.0e+00	PCDHGA4;PCDHGA12;PCDHGA11;PCDHGA11;PCDHGA9;PCDHGA
cg20576393	TRUE	0e+00	0.0e+00	LMO3;LMO3
cg11368643	TRUE	0e+00	0.0e+00	PCDHB15
cg06349450	TRUE	0e+00	0.0e+00	
cg08791347	TRUE	0e+00	0.0e+00	FRMD4A
cg11529128	TRUE	0e+00	0.0e+00	LHFPL5

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg00453202	TRUE	0e+00	0.0e+00	
cg19375676	TRUE	0e+00	0.0e+00	ADSS;ADSS
cg05170863	TRUE	0e+00	0.0e+00	EIF3E
cg23513443	TRUE	0e+00	0.0e+00	PSMD13;SIRT3;PSMD13;SIRT3
cg13064004	TRUE	0e+00	0.0e+00	ADAM9;TM2D2;ADAM9;TM2D2;ADAM9;ADAM9;TM2D2;TM2D2
cg25236427	TRUE	0e+00	0.0e+00	CCDC52
cg04849850	TRUE	0e+00	0.0e+00	
cg12043508	TRUE	0e+00	0.0e+00	CD8B;CD8B;CD8B
cg01148728	TRUE	0e+00	0.0e+00	CEP164
cg08533162	TRUE	0e+00	0.0e+00	ERI3
cg24863791	TRUE	0e+00	0.0e+00	ZNF211;ZNF211;ZNF211;ZNF211
cg13202523	TRUE	0e+00	0.0e+00	
cg16955336	TRUE	0e+00	0.0e+00	
cg08703857	TRUE	0e+00	0.0e+00	IQCE;IQCE
cg25777640	TRUE	0e+00	0.0e+00	ELOF1
cg04690793	TRUE	0e+00	0.0e+00	SNRPC;SNRPC
cg21911021	TRUE	0e+00	0.0e+00	ZIK1
cg26346167	TRUE	0e+00	0.0e+00	NEK11;NEK11
cg16205844	TRUE	0e+00	0.0e+00	NCOR2;NCOR2
cg26642224	TRUE	0e+00	0.0e+00	
cg02943290	TRUE	0e+00	0.0e+00	C1orf198;C1orf198
cg14507337	TRUE	0e+00	0.0e+00	SIX6
cg02074956	TRUE	0e+00	0.0e+00	MGRN1;MGRN1;MGRN1;MGRN1
cg20751926	TRUE	0e+00	0.0e+00	MMP15
cg17439023	TRUE	0e+00	0.0e+00	SFRS8;SFRS8
cg03345448	TRUE	0e+00	0.0e+00	
cg01658815	TRUE	0e+00	0.0e+00	ABLIM1;ABLIM1
cg01938009	TRUE	0e+00	0.0e+00	CPLX2
cg02996801	TRUE	0e+00	0.0e+00	
cg24302412	TRUE	0e+00	0.0e+00	GABBR1;GABBR1;GABBR1
cg23955431	TRUE	0e+00	0.0e+00	LRFN5
cg20817941	TRUE	0e+00	0.0e+00	CTSK;CTSK
cg23669517	TRUE	0e+00	0.0e+00	CCDC94
cg11229872	TRUE	0e+00	0.0e+00	
cg17534899	TRUE	0e+00	0.0e+00	IQSEC1;IQSEC1
cg03352287	TRUE	0e+00	0.0e+00	CRCT1
cg05212282	TRUE	0e+00	0.0e+00	NUFIP2
cg21113044	TRUE	0e+00	0.0e+00	ANAPC5;ANAPC5
cg23479658	TRUE	0e+00	0.0e+00	LIAS;RPL9;RPL9;LIAS
cg06609369	TRUE	0e+00	0.0e+00	GAS2L3
cg24691578	TRUE	0e+00	0.0e+00	CRY2;CRY2
cg19118972	TRUE	0e+00	0.0e+00	
cg02232704	TRUE	0e+00	0.0e+00	MYO3A
cg06737494	TRUE	0e+00	0.0e+00	GHSR;GHSR
cg01192869	TRUE	0e+00	0.0e+00	
cg04048411	FALSE	0e+00	0.0e+00	PLXNC1
cg01402735	TRUE	0e+00	0.0e+00	ELTD1
cg05350850	TRUE	0e+00	0.0e+00	MYOM3
cg16856286	TRUE	0e+00	0.0e+00	HOXC13
cg03366925	TRUE	0e+00	0.0e+00	GLI3
cg24458288	TRUE	0e+00	0.0e+00	CEP76;PSMG2
cg00441709	TRUE	0e+00	0.0e+00	PAFAH1B1



CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg22489957	TRUE	0e+00	0.0e+00	
cg03670908	TRUE	0e+00	0.0e+00	
cg23160142	FALSE	0e+00	0.0e+00	
cg14695609	TRUE	0e+00	0.0e+00	LARS2
cg09626984	TRUE	0e+00	0.0e+00	GATA4
cg25845597	TRUE	0e+00	0.0e+00	HIST1H4L;HIST1H3I
cg06419268	TRUE	0e+00	0.0e+00	MAPKAPK2;MAPKAPK2
cg24347323	TRUE	0e+00	0.0e+00	
cg04232674	TRUE	0e+00	0.0e+00	ENSA;ENSA;ENSA;ENSA;ENSA;ENSA;ENSA;ENSA
cg07734358	TRUE	0e+00	0.0e+00	TBC1D22A
cg21697007	TRUE	0e+00	0.0e+00	SHMT2;SHMT2;SHMT2;SHMT2;SHMT2;SHMT2;SHMT2;SHMT2
cg10366062	TRUE	0e+00	0.0e+00	AMN
cg19962990	TRUE	0e+00	0.0e+00	ADCYAP1;ADCYAP1
cg15130840	TRUE	0e+00	0.0e+00	TARS
cg05415378	TRUE	0e+00	0.0e+00	NRD1;NRD1
cg17058777	TRUE	0e+00	0.0e+00	LRTOMT;C11orf59;LRTOMT;LRTOMT
cg25106707	TRUE	0e+00	0.0e+00	C1QTNF7
cg03965044	TRUE	0e+00	0.0e+00	ABCC3;ABCC3
cg23462514	TRUE	0e+00	0.0e+00	RNF212;RNF212
cg15367892	TRUE	0e+00	0.0e+00	EMX2OS
cg00334056	TRUE	0e+00	0.0e+00	LEMD2;LEMD2
cg23557926	TRUE	0e+00	0.0e+00	CFH;CFH
cg00857921	TRUE	0e+00	0.0e+00	TGFBR3
cg02279537	TRUE	0e+00	0.0e+00	
cg04176995	TRUE	0e+00	0.0e+00	MRPS18B;PPP1R10
cg18768621	TRUE	0e+00	0.0e+00	APOE
cg26972969	TRUE	0e+00	0.0e+00	LOC645323;LOC645323
cg13975369	TRUE	0e+00	0.0e+00	TSGA14
cg04928338	TRUE	0e+00	0.0e+00	
cg12759353	TRUE	0e+00	0.0e+00	PRKAG2
cg04361056	TRUE	0e+00	0.0e+00	JTB
cg17772163	TRUE	0e+00	0.0e+00	OCLN
cg00616687	TRUE	0e+00	0.0e+00	SIM2;SIM2
cg11639692	TRUE	0e+00	0.0e+00	VIPR1
cg09423875	TRUE	0e+00	0.0e+00	TNXB;TNXB
cg11806635	FALSE	0e+00	0.0e+00	TAS1R2
cg21454030	TRUE	0e+00	0.0e+00	NCAPG;DCAF16;NCAPG
cg23221723	TRUE	0e+00	0.0e+00	TNFRSF10C
cg14923157	TRUE	0e+00	0.0e+00	CPAMD8
cg22443205	TRUE	0e+00	0.0e+00	BPTF;BPTF
cg02411995	TRUE	0e+00	0.0e+00	ROGDI
cg26160543	TRUE	0e+00	0.0e+00	
cg04904468	TRUE	0e+00	0.0e+00	ZCCHC24
cg11931731	FALSE	0e+00	0.0e+00	KATNAL2
cg05157140	TRUE	0e+00	0.0e+00	UNCX
cg07592963	TRUE	0e+00	0.0e+00	KCNQ1DN
cg11641791	TRUE	0e+00	0.0e+00	KRT222
cg21845953	TRUE	0e+00	0.0e+00	LOC100192378;ZFHX4
cg16305037	TRUE	0e+00	0.0e+00	NUP155;NUP155;NUP155
cg11301513	TRUE	0e+00	0.0e+00	GTPBP8;GTPBP8
cg16352283	TRUE	0e+00	0.0e+00	FAM46B
cg01266375	TRUE	0e+00	0.0e+00	

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg09858777	TRUE	0e+00	0.0e+00	NUDT16L1
cg11237406	TRUE	0e+00	0.0e+00	ZMYND15;ZMYND15
cg21841682	TRUE	0e+00	0.0e+00	ACTN1;ACTN1;ACTN1;ACTN1;ACTN1;ACTN1
cg10409131	TRUE	0e+00	0.0e+00	C4orf52
cg05253577	TRUE	0e+00	0.0e+00	WWC1;WWC1;WWC1
cg19395684	TRUE	0e+00	0.0e+00	
cg26785499	TRUE	0e+00	0.0e+00	
cg08256536	TRUE	0e+00	0.0e+00	FAM83A;FAM83A;LOC100131726
cg23976846	TRUE	0e+00	0.0e+00	
cg06640241	TRUE	0e+00	0.0e+00	SPG7;SPG7
cg05903736	TRUE	0e+00	0.0e+00	HDAC4
cg22329555	TRUE	0e+00	0.0e+00	TSPYL3
cg04636557	TRUE	0e+00	0.0e+00	C1orf124;C1orf124;EXOC8
cg11519366	TRUE	0e+00	0.0e+00	
cg11972564	TRUE	0e+00	0.0e+00	TSPAN18
cg20938454	TRUE	0e+00	0.0e+00	
cg19016652	TRUE	0e+00	0.0e+00	LMO3;LMO3
cg07649619	TRUE	0e+00	0.0e+00	GPN3;GPN3;GPN3;C12orf24
cg00207280	TRUE	0e+00	0.0e+00	TRIB1
cg05345996	TRUE	0e+00	0.0e+00	
cg24774581	TRUE	0e+00	0.0e+00	
cg24422027	TRUE	0e+00	0.0e+00	
cg13514129	FALSE	0e+00	0.0e+00	MACF1
cg08097417	TRUE	0e+00	0.0e+00	KLF14
cg04875007	TRUE	0e+00	0.0e+00	SNHG9;SNORA78;RPS2
cg19677607	TRUE	0e+00	0.0e+00	NEFM;NEFM
cg21836370	TRUE	0e+00	0.0e+00	
cg10589851	TRUE	0e+00	0.0e+00	USP15
cg23442477	TRUE	0e+00	0.0e+00	SEC11A
cg12559670	FALSE	0e+00	0.0e+00	PSMG3;KIAA1908;KIAA1908;KIAA1908;PSMG3
cg04592144	TRUE	0e+00	0.0e+00	
cg27259271	TRUE	0e+00	0.0e+00	SDCCAG8
cg05785805	TRUE	0e+00	0.0e+00	CNIH3
cg11561443	TRUE	0e+00	0.0e+00	MTO1;MTO1;MTO1
cg08938976	TRUE	0e+00	0.0e+00	AHCTF1
cg18822950	TRUE	0e+00	0.0e+00	
cg13224213	TRUE	0e+00	0.0e+00	NOS3;NOS3;NOS3;NOS3
cg22529990	TRUE	0e+00	0.0e+00	
cg00178249	TRUE	0e+00	0.0e+00	LOC100192378
cg18490614	TRUE	0e+00	0.0e+00	
cg15225267	TRUE	0e+00	0.0e+00	
cg03146683	TRUE	0e+00	0.0e+00	FLJ22536
cg23677990	FALSE	0e+00	0.0e+00	RPL7;RDH10
cg18397523	TRUE	0e+00	0.0e+00	EVX1;EVX1
cg26665480	TRUE	0e+00	0.0e+00	ACTR1B
cg07813370	TRUE	0e+00	0.0e+00	DNAJB1
cg02337568	TRUE	0e+00	0.0e+00	SH2B3
cg23271318	FALSE	0e+00	0.0e+00	ZSWIM1
cg04368716	TRUE	0e+00	0.0e+00	BAG5;BAG5;BAG5;C14orf153
cg23248208	TRUE	0e+00	0.0e+00	HNF4G
cg19340508	TRUE	0e+00	0.0e+00	C10orf90
cg08973281	TRUE	0e+00	0.0e+00	

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg00745555	TRUE	0e+00	0.0e+00	VENTX
cg22173241	FALSE	0e+00	0.0e+00	ILF3;ILF3;ILF3;ILF3;ILF3;LOC147727
cg01572696	TRUE	0e+00	0.0e+00	IDUA
cg07185974	TRUE	0e+00	0.0e+00	
cg23880589	TRUE	0e+00	0.0e+00	KCNAB3
cg11787522	TRUE	0e+00	0.0e+00	STRA6;STRA6;STRA6;STRA6;STRA6;STRA6
cg26721627	TRUE	0e+00	0.0e+00	TOLLIP
cg12744820	TRUE	0e+00	0.0e+00	OLIG3
cg19967511	TRUE	0e+00	0.0e+00	UBAC2;UBAC2;UBAC2
cg18833140	TRUE	0e+00	0.0e+00	HABP2
cg20396436	TRUE	0e+00	0.0e+00	SYTL3
cg25866075	TRUE	0e+00	0.0e+00	NLRP12
cg19186435	FALSE	0e+00	0.0e+00	FAM109A;FAM109A
cg21069176	TRUE	0e+00	0.0e+00	THRB;THRB;THRB
cg08655589	TRUE	0e+00	0.0e+00	SLC6A6;SLC6A6;SLC6A6;SLC6A6;SLC6A6;SLC6A6
cg11694433	TRUE	0e+00	0.0e+00	USP3
cg02073081	TRUE	0e+00	0.0e+00	VGLL4
cg07321171	TRUE	0e+00	0.0e+00	MOGS;MOGS
cg06660523	TRUE	0e+00	0.0e+00	PCDH7;PCDH7;PCDH7;PCDH7;PCDH7;PCDH7
cg24538029	TRUE	0e+00	0.0e+00	FGF18
cg01781805	TRUE	0e+00	0.0e+00	CNOT8;CNOT8
cg08360281	FALSE	0e+00	0.0e+00	ZKSCAN2
cg03856366	TRUE	0e+00	0.0e+00	SMUG1
cg18425254	TRUE	0e+00	0.0e+00	
cg16742703	TRUE	0e+00	0.0e+00	KLK3;KLK3;KLK3;KLK3;KLK3
cg23998240	TRUE	0e+00	0.0e+00	INF2;INF2;INF2
cg11719049	TRUE	0e+00	0.0e+00	NFIC;NFIC
cg14673247	TRUE	0e+00	0.0e+00	
cg25427880	TRUE	0e+00	0.0e+00	
cg14016366	TRUE	0e+00	0.0e+00	PPP1R2P3
cg06543018	TRUE	0e+00	0.0e+00	RBP1;RBP1;RBP1
cg03166482	TRUE	0e+00	0.0e+00	DCTD;DCTD
cg20060630	TRUE	0e+00	0.0e+00	PSMB8;PSMB8
cg01879591	TRUE	0e+00	0.0e+00	
cg26300322	TRUE	0e+00	0.0e+00	CYB561;CYB561;CYB561
cg15048802	TRUE	0e+00	0.0e+00	C2orf60;C2orf60;C2orf47
cg09698471	TRUE	0e+00	1.0e-07	HTR1A
cg14700325	TRUE	0e+00	1.0e-07	COL1A1
cg07377586	TRUE	0e+00	1.0e-07	PARP9;PARP9;DTX3L;PARP9;PARP9;PARP9;PARP9;PARP9
cg03322129	TRUE	0e+00	1.0e-07	UBE2J2;UBE2J2;UBE2J2;UBE2J2
cg12456714	TRUE	0e+00	1.0e-07	MARCH11
cg10626169	TRUE	0e+00	1.0e-07	ABCA13
cg23657185	TRUE	0e+00	1.0e-07	
cg17781958	TRUE	0e+00	1.0e-07	BAHCC1
cg08274552	TRUE	0e+00	1.0e-07	SLC4A3;SLC4A3
cg20519581	TRUE	0e+00	1.0e-07	
cg22358580	TRUE	0e+00	1.0e-07	HOXC4;HOXC5;HOXC5
cg11231249	TRUE	0e+00	1.0e-07	CTNNA2;LRRTM1;CTNNA2
cg09966895	FALSE	0e+00	1.0e-07	ODZ4
cg21165221	TRUE	0e+00	1.0e-07	
cg10625090	FALSE	0e+00	1.0e-07	KIAA0562
cg23881278	TRUE	0e+00	1.0e-07	DRD2;DRD2

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg07172256	TRUE	0e+00	1.0e-07	ERBB2IP;ERBB2IP
cg04599356	TRUE	0e+00	1.0e-07	SOX2OT
cg14369405	TRUE	0e+00	1.0e-07	MAPRE2;MAPRE2
cg02342053	TRUE	0e+00	1.0e-07	TOMM5;TOMM5;TOMM5
cg11815363	TRUE	0e+00	1.0e-07	KCNK1
cg04779161	TRUE	0e+00	1.0e-07	DMPK;DMPK;DMPK
cg02115960	TRUE	0e+00	1.0e-07	PCSK1
cg21572722	TRUE	0e+00	1.0e-07	ELOVL2
cg21773162	TRUE	0e+00	1.0e-07	ZAP70;ZAP70
cg00093433	TRUE	0e+00	1.0e-07	
cg22167839	TRUE	0e+00	1.0e-07	SEPT7;SEPT7
cg10293403	TRUE	0e+00	1.0e-07	
cg12750151	TRUE	0e+00	1.0e-07	OR5D18
cg00488575	TRUE	0e+00	1.0e-07	
cg14987745	TRUE	0e+00	1.0e-07	TDG
cg26277754	TRUE	0e+00	1.0e-07	
cg04089332	TRUE	0e+00	1.0e-07	MATN1
cg21046967	TRUE	0e+00	1.0e-07	NEUROD2
cg03310453	TRUE	0e+00	1.0e-07	PPP1CC;PPP1CC
cg08398233	TRUE	0e+00	1.0e-07	CAMK2N1
cg12368752	TRUE	0e+00	1.0e-07	TMPRSS13
cg24214867	TRUE	0e+00	1.0e-07	B4GALNT3
cg12497914	TRUE	0e+00	1.0e-07	EBF4
cg09434803	TRUE	0e+00	1.0e-07	STIM2;STIM2;STIM2
cg10440011	TRUE	0e+00	1.0e-07	DPH1
cg12738347	TRUE	0e+00	1.0e-07	
cg19827148	TRUE	0e+00	1.0e-07	GLTPD1;CPSF3L
cg04609350	TRUE	0e+00	1.0e-07	CYP26A1;CYP26A1
cg20256245	TRUE	0e+00	1.0e-07	NEFH
cg11830508	FALSE	0e+00	1.0e-07	CNOT6
cg13477819	TRUE	0e+00	1.0e-07	
cg15125626	TRUE	0e+00	1.0e-07	
cg01613638	TRUE	0e+00	1.0e-07	FLJ43390
cg20011051	TRUE	0e+00	1.0e-07	C10orf78;C10orf78
cg01606770	TRUE	0e+00	1.0e-07	PTBP2
cg06463424	TRUE	0e+00	1.0e-07	
cg10615580	TRUE	0e+00	1.0e-07	FLJ90757
cg05016408	TRUE	0e+00	1.0e-07	LOC134466
cg08346159	TRUE	0e+00	1.0e-07	NPY5R
cg01561864	TRUE	0e+00	1.0e-07	TTYH3
cg25933341	TRUE	0e+00	1.0e-07	SOX2OT;SOX2
cg17083925	TRUE	0e+00	1.0e-07	TGM2;TGM2
cg00955497	TRUE	0e+00	1.0e-07	
cg17812203	TRUE	0e+00	1.0e-07	FLJ43860
cg17046044	TRUE	0e+00	1.0e-07	SLC19A2;SLC19A2
cg13026729	TRUE	0e+00	1.0e-07	EZR;EZR
cg25591036	TRUE	0e+00	1.0e-07	KIAA1984
cg01150683	TRUE	0e+00	1.0e-07	
cg19921130	TRUE	0e+00	1.0e-07	MESDC1;MESDC1
cg05415931	TRUE	0e+00	1.0e-07	SMOC1;SMOC1
cg19160629	TRUE	0e+00	1.0e-07	SIK3
cg21227325	TRUE	0e+00	1.0e-07	PCSK5

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg24914219	TRUE	0e+00	1.0e-07	MOCOS
cg16068727	TRUE	0e+00	1.0e-07	TYK2
cg13126530	TRUE	0e+00	1.0e-07	DIO3
cg24592546	TRUE	0e+00	1.0e-07	TRIM15
cg08471800	TRUE	0e+00	1.0e-07	
cg05468351	TRUE	0e+00	1.0e-07	LOC728411;LOC728411;LOC728411
cg19708238	TRUE	0e+00	1.0e-07	AP3S2;AP3S2;AP3S2
cg02164225	TRUE	0e+00	1.0e-07	
cg15128898	TRUE	0e+00	1.0e-07	SPEF2;SPEF2;SPEF2;SPEF2
cg15389765	TRUE	0e+00	1.0e-07	CYTSB;CYTSB;CYTSB;CYTSB
cg27355724	TRUE	0e+00	1.0e-07	
cg07546943	TRUE	0e+00	1.0e-07	AGAP1;AGAP1
cg12814335	TRUE	0e+00	1.0e-07	PITPNA
cg09275408	TRUE	0e+00	1.0e-07	
cg23400512	TRUE	0e+00	1.0e-07	FLRT2
cg10266211	TRUE	0e+00	1.0e-07	MSX1
cg15523238	TRUE	0e+00	1.0e-07	ATP10A
cg22761308	TRUE	0e+00	1.0e-07	BNIP1;BNIP1;BNIP1;BNIP1
cg13559046	TRUE	0e+00	1.0e-07	PLEKHJ1;SF3A2
cg26682407	TRUE	0e+00	1.0e-07	MCF2L;MCF2L
cg23840481	TRUE	0e+00	1.0e-07	
cg26387966	TRUE	0e+00	1.0e-07	
cg09084877	TRUE	0e+00	1.0e-07	TRIM26
cg05768702	TRUE	0e+00	1.0e-07	
cg27283913	TRUE	0e+00	1.0e-07	KCTD13;KCTD13
cg06147822	TRUE	0e+00	1.0e-07	GNAS;GNAS;GNAS;GNAS;GNAS;GNAS;GNAS;GNAS
cg24029308	FALSE	0e+00	1.0e-07	PPP2R3A
cg06085454	TRUE	0e+00	1.0e-07	C3orf74
cg07902673	TRUE	0e+00	1.0e-07	LMO4
cg20072171	TRUE	0e+00	1.0e-07	FEZF2
cg15412759	TRUE	0e+00	1.0e-07	TFAP2D
cg14376625	TRUE	0e+00	1.0e-07	CUX2
cg18855195	TRUE	0e+00	1.0e-07	RIBC2
cg11827910	TRUE	0e+00	1.0e-07	PAX6;PAX6;PAX6
cg00178427	TRUE	0e+00	1.0e-07	
cg11249189	FALSE	0e+00	1.0e-07	G6PC3;G6PC3;G6PC3
cg06911084	TRUE	0e+00	1.0e-07	DLX5
cg03731740	TRUE	0e+00	1.0e-07	YTHDF2
cg00174428	TRUE	0e+00	1.0e-07	LMX1A
cg07536910	TRUE	0e+00	1.0e-07	EVX2
cg18821742	TRUE	0e+00	1.0e-07	PCDH7;PCDH7;PCDH7;PCDH7;PCDH7;PCDH7
cg09698221	TRUE	0e+00	1.0e-07	RRN3
cg05990072	TRUE	0e+00	1.0e-07	RABEP2
cg02237987	TRUE	0e+00	1.0e-07	C1orf92
cg02585417	TRUE	0e+00	1.0e-07	MIR618;LIN7A
cg14545418	TRUE	0e+00	1.0e-07	TLE1
cg24692716	TRUE	0e+00	1.0e-07	C6orf192
cg25837803	TRUE	0e+00	1.0e-07	PTGS2
cg25599269	TRUE	0e+00	1.0e-07	ZNF763;ZNF763
cg09602350	TRUE	0e+00	1.0e-07	
cg05123447	TRUE	0e+00	1.0e-07	MUC21
cg23980915	TRUE	0e+00	1.0e-07	

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg27552857	TRUE	0e+00	1.0e-07	SEMA6B
cg10513328	TRUE	0e+00	1.0e-07	HES7;HES7
cg06728103	TRUE	0e+00	1.0e-07	
cg26260369	TRUE	0e+00	1.0e-07	VTI1B
cg07270078	TRUE	0e+00	1.0e-07	ISL1
cg04409945	TRUE	0e+00	1.0e-07	PSMB3
cg19737746	TRUE	0e+00	1.0e-07	ELK3
cg23367076	TRUE	0e+00	1.0e-07	
cg27194998	FALSE	0e+00	1.0e-07	PRKD2;PRKD2;PRKD2;PRKD2;PRKD2
cg21109744	TRUE	0e+00	1.0e-07	CCDC37
cg26678978	TRUE	0e+00	1.0e-07	CCKBR
cg15347425	TRUE	0e+00	1.0e-07	PCCB
cg02935298	TRUE	0e+00	1.0e-07	CYB5R3;CYB5R3;ATP5L2;CYB5R3
cg14150915	TRUE	0e+00	1.0e-07	YIF1A
cg10149296	TRUE	0e+00	1.0e-07	
cg12039286	TRUE	0e+00	1.0e-07	
cg18788524	FALSE	0e+00	1.0e-07	SEC22B
cg11687036	TRUE	0e+00	1.0e-07	
cg22464182	TRUE	0e+00	1.0e-07	ACVR2A;ACVR2A
cg01431184	TRUE	0e+00	1.0e-07	C16orf73;C16orf73
cg16439941	TRUE	0e+00	1.0e-07	NDUFB5;MRPL47;MRPL47;MRPL47;MRPL47
cg20738664	TRUE	0e+00	1.0e-07	VPS24;VPS24;VPS24;VPS24
cg11079278	TRUE	0e+00	1.0e-07	SIAH3
cg14832908	TRUE	0e+00	1.0e-07	HES2
cg10432422	TRUE	0e+00	1.0e-07	
cg00636124	TRUE	0e+00	1.0e-07	JMJD5;JMJD5
cg04520084	TRUE	0e+00	1.0e-07	CCNC;CCNC
cg18922994	TRUE	0e+00	1.0e-07	MGAT5B;MGAT5B
cg08272996	TRUE	0e+00	1.0e-07	
cg06412323	TRUE	0e+00	1.0e-07	TTPAL;TTPAL
cg00852534	TRUE	0e+00	1.0e-07	TTBK1
cg20738500	TRUE	0e+00	1.0e-07	LOC254559
cg02088785	TRUE	0e+00	1.0e-07	STK24
cg24475744	TRUE	0e+00	1.0e-07	DNM2;DNM2;DNM2;DNM2
cg06078830	TRUE	0e+00	1.0e-07	C2orf18
cg24500711	TRUE	0e+00	1.0e-07	KRTAP13-3
cg05874561	TRUE	0e+00	1.0e-07	SFRP2
cg09171565	TRUE	0e+00	1.0e-07	GABRA5;GABRA5
cg27376617	TRUE	0e+00	1.0e-07	NOD1
cg03897136	TRUE	0e+00	1.0e-07	HOOK1
cg05956518	TRUE	0e+00	1.0e-07	LMF1
cg22081355	FALSE	0e+00	1.0e-07	HAUS8;MYO9B;MYO9B;HAUS8
cg14848666	TRUE	0e+00	1.0e-07	RNF111;RNF111
cg25324047	TRUE	0e+00	1.0e-07	
cg26881102	TRUE	0e+00	1.0e-07	NKAPL
cg20348765	TRUE	0e+00	1.0e-07	CCDC85A
cg04364718	TRUE	0e+00	1.0e-07	IMPA1;IMPA1;IMPA1
cg23698124	FALSE	0e+00	1.0e-07	SMG6;SMG6
cg27291710	TRUE	0e+00	1.0e-07	NGF
cg10927449	TRUE	0e+00	1.0e-07	
cg16717122	TRUE	0e+00	1.0e-07	SCG3;SCG3;SCG3;SCG3
cg02629106	TRUE	0e+00	1.0e-07	PCDP1

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg12610471	TRUE	0e+00	1.0e-07	SPAG6;SPAG6
cg14625631	TRUE	0e+00	1.0e-07	SDC2
cg04136321	TRUE	0e+00	1.0e-07	ATF6B;ATF6B
cg02103843	TRUE	0e+00	1.0e-07	
cg08267701	TRUE	0e+00	1.0e-07	TOMM40;TOMM40;TOMM40
cg16080746	TRUE	0e+00	1.0e-07	AFF1;AFF1;AFF1
cg17886399	TRUE	0e+00	1.0e-07	
cg15842400	TRUE	0e+00	1.0e-07	ATP5J;ATP5J;ATP5J;ATP5J;ATP5J;GABPA
cg06721014	TRUE	0e+00	1.0e-07	C7orf63;C7orf63
cg13322849	TRUE	0e+00	1.0e-07	
cg05178576	TRUE	0e+00	1.0e-07	ADAMTS18
cg21590021	TRUE	0e+00	1.0e-07	HEATR7A;HEATR7A;HEATR7A
cg27639104	TRUE	0e+00	1.0e-07	KCNQ1;KCNQ1;KCNQ1
cg13107768	TRUE	0e+00	1.0e-07	
cg15066503	TRUE	0e+00	1.0e-07	VIPR1
cg14166494	TRUE	0e+00	1.0e-07	CDH7;CDH7
cg04937594	TRUE	0e+00	1.0e-07	NOP58
cg24724428	TRUE	0e+00	1.0e-07	ELOVL2
cg03541587	TRUE	0e+00	1.0e-07	
cg12144374	TRUE	0e+00	1.0e-07	ZHX2
cg01236063	TRUE	0e+00	1.0e-07	
cg00561562	FALSE	0e+00	1.0e-07	SMARCA5
cg02213103	TRUE	0e+00	1.0e-07	SOX2OT
cg02653800	TRUE	0e+00	1.0e-07	UBE2D1
cg24803138	TRUE	0e+00	1.0e-07	PC;PC;PC
cg00677685	TRUE	0e+00	1.0e-07	UBE2W;UBE2W
cg03309421	TRUE	0e+00	1.0e-07	LSM5;AVL9;LSM5
cg04175027	TRUE	0e+00	1.0e-07	
cg03946896	TRUE	0e+00	1.0e-07	RNF220
cg17542835	TRUE	0e+00	1.0e-07	RPL6;RPL6
cg10998122	FALSE	0e+00	1.0e-07	FKBP2;FKBP2;FKBP2;FKBP2
cg18710784	TRUE	0e+00	1.0e-07	OPCML;OPCML
cg21287356	TRUE	0e+00	1.0e-07	
cg25288085	TRUE	0e+00	1.0e-07	FAM64A
cg22322828	TRUE	0e+00	1.0e-07	
cg18596794	TRUE	0e+00	1.0e-07	MPZL1;MPZL1;MPZL1
cg06484415	TRUE	0e+00	1.0e-07	
cg04523291	TRUE	0e+00	1.0e-07	OXTR
cg17319136	TRUE	0e+00	1.0e-07	FKBPL
cg02839875	TRUE	0e+00	1.0e-07	WNT4
cg02050985	TRUE	0e+00	1.0e-07	TBC1D8
cg07911523	TRUE	0e+00	1.0e-07	FBXO7;FBXO7
cg07061867	TRUE	0e+00	1.0e-07	C3orf63
cg02092975	TRUE	0e+00	1.0e-07	
cg13572911	TRUE	0e+00	1.0e-07	ACO1
cg09413933	TRUE	0e+00	1.0e-07	USP16;USP16;USP16;USP16;USP16
cg19423854	TRUE	0e+00	1.0e-07	WSCD1
cg10542300	TRUE	0e+00	1.0e-07	MYEF2
cg12931642	TRUE	0e+00	1.0e-07	
cg13573513	TRUE	0e+00	1.0e-07	ART4;ART4
cg19846622	TRUE	0e+00	1.0e-07	MSX1
cg25104511	TRUE	0e+00	1.0e-07	RAPGEFL1

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg04524719	TRUE	0e+00	1.0e-07	
cg13781149	TRUE	0e+00	1.0e-07	HIST1H2BK;HIST1H2AH
cg22854448	TRUE	0e+00	1.0e-07	SPRED2
cg02608292	TRUE	0e+00	1.0e-07	RPL28;RPL28;RPL28;RPL28;RPL28
cg22451632	TRUE	0e+00	1.0e-07	
cg13576095	TRUE	0e+00	1.0e-07	PSMB7
cg12037802	TRUE	0e+00	1.0e-07	C4orf34
cg18277979	TRUE	0e+00	1.0e-07	
cg12481283	TRUE	0e+00	1.0e-07	NAA20;NAA20;NAA20
cg11334818	TRUE	0e+00	1.0e-07	PTPN5;PTPN5;PTPN5;PTPN5;PTPN5;PTPN5
cg21106899	TRUE	0e+00	1.0e-07	C1orf187
cg06712559	TRUE	0e+00	1.0e-07	AGR1
cg13390800	TRUE	0e+00	1.0e-07	DCHS1
cg04578774	TRUE	0e+00	1.0e-07	ALX4
cg25184910	TRUE	0e+00	1.0e-07	FNTA;FNTA;FNTA
cg00842299	TRUE	0e+00	1.0e-07	ZIC1
cg09357979	TRUE	0e+00	1.0e-07	C4orf52
cg26442458	TRUE	0e+00	1.0e-07	SART1
cg15228247	TRUE	0e+00	1.0e-07	
cg03774520	TRUE	0e+00	1.0e-07	
cg25454569	TRUE	0e+00	1.0e-07	
cg06996599	TRUE	0e+00	1.0e-07	C6orf136;C6orf136;C6orf136
cg04337688	TRUE	0e+00	1.0e-07	ANKRD11
cg02758612	TRUE	0e+00	1.0e-07	
cg18165186	TRUE	0e+00	1.0e-07	SEMA3B;SEMA3B
cg03699459	TRUE	0e+00	1.0e-07	
cg16179507	TRUE	0e+00	1.0e-07	
cg16811230	TRUE	0e+00	1.0e-07	GORASP1;TTC21A;TTC21A;TTC21A;TTC21A
cg12786605	TRUE	0e+00	1.0e-07	
cg08132815	TRUE	0e+00	1.0e-07	UHRF1;UHRF1
cg18127398	TRUE	0e+00	1.0e-07	RGS6
cg18449997	TRUE	0e+00	1.0e-07	PTRF
cg23441441	TRUE	0e+00	1.0e-07	LIN7A
cg00368055	TRUE	0e+00	1.0e-07	HS3ST1
cg14582220	TRUE	0e+00	1.0e-07	CLN6
cg08288406	TRUE	0e+00	1.0e-07	PLK5P
cg13322252	TRUE	0e+00	1.0e-07	KIAA1026;KIAA1026;KIAA1026;KIAA1026;KIAA1026
cg24595745	FALSE	0e+00	1.0e-07	IQCB1;IQCB1;EAF2
cg04987734	TRUE	0e+00	1.0e-07	CDC42BPB
cg03116948	TRUE	0e+00	1.0e-07	SPSB1
cg10745499	TRUE	0e+00	1.0e-07	SIM1
cg23588277	TRUE	0e+00	1.0e-07	
cg00525964	TRUE	0e+00	1.0e-07	
cg03075966	TRUE	0e+00	1.0e-07	GRK5
cg13810234	TRUE	0e+00	1.0e-07	SNHG7;SNORA17;SNHG7;SNHG7
cg00827382	TRUE	0e+00	1.0e-07	NCKAP5;NCKAP5
cg01282269	TRUE	0e+00	1.0e-07	DSCAM
cg09367367	TRUE	0e+00	1.0e-07	RPL6;RPL6
cg05468948	TRUE	0e+00	1.0e-07	
cg12995410	TRUE	0e+00	1.0e-07	ZBTB2
cg11210652	TRUE	0e+00	1.0e-07	BICD1;BICD1
cg03271093	TRUE	0e+00	1.0e-07	



CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg27622679	TRUE	0e+00	1.0e-07	SOX2OT
cg24668914	TRUE	0e+00	1.0e-07	
cg03330516	TRUE	0e+00	1.0e-07	SRMS
cg10123247	TRUE	0e+00	1.0e-07	C8orf85
cg05863534	FALSE	0e+00	1.0e-07	DHRS11;DHRS11
cg18832738	TRUE	0e+00	1.0e-07	
cg04516112	TRUE	0e+00	1.0e-07	KALRN;KALRN
cg17543296	TRUE	0e+00	1.0e-07	FAM43B
cg26403416	TRUE	0e+00	1.0e-07	TFF2
cg25156915	TRUE	0e+00	1.0e-07	
cg27425262	TRUE	0e+00	1.0e-07	PSD4;LOC440839
cg02200456	TRUE	0e+00	1.0e-07	SLC22A18AS;SLC22A18;SLC22A18
cg08625382	TRUE	0e+00	1.0e-07	EPHA4
cg00085830	TRUE	0e+00	1.0e-07	DHX9
cg01350680	TRUE	0e+00	1.0e-07	
cg14629032	TRUE	0e+00	1.0e-07	NFIL3
cg20792833	TRUE	0e+00	1.0e-07	PTPRCAP
cg04293602	TRUE	0e+00	1.0e-07	OVOL1
cg18511989	TRUE	0e+00	1.0e-07	CPSF1
cg07402729	TRUE	0e+00	1.0e-07	VWCE
cg25358289	TRUE	0e+00	1.0e-07	CD14;CD14;CD14
cg09107372	TRUE	0e+00	1.0e-07	RNF25
cg15899053	TRUE	0e+00	1.0e-07	
cg09419005	TRUE	0e+00	1.0e-07	C17orf62;C17orf62;C17orf62
cg13809469	TRUE	0e+00	1.0e-07	TP53BP1
cg16017889	TRUE	0e+00	1.0e-07	
cg14434398	TRUE	0e+00	1.0e-07	GRIN2B
cg23351724	TRUE	0e+00	1.0e-07	IGSF10
cg13129662	TRUE	0e+00	1.0e-07	PPP1R9B
cg02905828	FALSE	0e+00	1.0e-07	SNORD30;SNORD29;SLC3A2;SLC3A2;SNORD31;SNORD28;SLC3A2;SLC3A2
cg25254573	TRUE	0e+00	1.0e-07	GUCY2E
cg09378691	TRUE	0e+00	1.0e-07	ZNF335
cg04553410	TRUE	0e+00	1.0e-07	GBX1
cg16533838	TRUE	0e+00	1.0e-07	
cg19861741	TRUE	0e+00	1.0e-07	
cg00735907	TRUE	0e+00	1.0e-07	
cg16431610	TRUE	0e+00	1.0e-07	PHTF2;PHTF2;TMEM60
cg12226717	TRUE	0e+00	1.0e-07	GPR83
cg21415385	TRUE	0e+00	1.0e-07	VGLL4;VGLL4;VGLL4;VGLL4
cg02386420	TRUE	0e+00	1.0e-07	RPTOR;RPTOR
cg08202374	TRUE	0e+00	1.0e-07	DACT3
cg10168149	TRUE	0e+00	1.0e-07	FLJ32063
cg25141995	TRUE	0e+00	1.0e-07	VDAC1
cg20725135	TRUE	0e+00	1.0e-07	SPEM1
cg15909016	TRUE	0e+00	1.0e-07	LOC374443
cg22704057	TRUE	0e+00	1.0e-07	MTHFD2;MTHFD2
cg24229963	TRUE	0e+00	1.0e-07	ZFAND1;ZFAND1;ZFAND1;ZFAND1;ZFAND1;ZFAND1;ZFAND1
cg00926502	TRUE	0e+00	1.0e-07	BIVM;BIVM;KDEL1;BIVM;BIVM
cg09450097	TRUE	0e+00	1.0e-07	
cg23668004	FALSE	0e+00	1.0e-07	FOXK1
cg02318971	TRUE	0e+00	1.0e-07	
cg19419598	TRUE	0e+00	1.0e-07	ITGA1;PELO;PELO

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg13701117	TRUE	0e+00	1.0e-07	TJP3
cg08204714	TRUE	0e+00	1.0e-07	JPH3
cg15820062	TRUE	0e+00	1.0e-07	
cg00232685	TRUE	0e+00	1.0e-07	NIPSNAP1
cg26755141	TRUE	0e+00	1.0e-07	SIM1
cg10043047	TRUE	0e+00	1.0e-07	PPAPDC1A
cg13500774	TRUE	0e+00	1.0e-07	FAM73B
cg22819999	FALSE	0e+00	1.0e-07	
cg00019759	TRUE	0e+00	1.0e-07	
cg09915769	TRUE	0e+00	1.0e-07	KIAA1543;KIAA1543
cg10241701	TRUE	0e+00	1.0e-07	CD58;CD58;CD58
cg19454959	FALSE	0e+00	1.0e-07	ULK4
cg02876297	TRUE	0e+00	1.0e-07	KIF22
cg24883333	FALSE	0e+00	1.0e-07	CLIC4
cg10061945	TRUE	0e+00	1.0e-07	HCG27
cg26646370	FALSE	0e+00	1.0e-07	SHD;SHD
cg14778264	TRUE	0e+00	1.0e-07	
cg27506609	TRUE	0e+00	1.0e-07	TEKT2
cg02662828	TRUE	0e+00	1.0e-07	ZAR1
cg12448265	TRUE	0e+00	1.0e-07	
cg15469350	TRUE	0e+00	1.0e-07	SLIT2
cg16404157	TRUE	0e+00	1.0e-07	CLEC14A
cg17317859	TRUE	0e+00	1.0e-07	YLPM1
cg10495683	TRUE	0e+00	1.0e-07	BCAR3
cg09922871	TRUE	0e+00	1.0e-07	ZNF638;ZNF638
cg02218809	TRUE	0e+00	1.0e-07	TMEM219;TMEM219
cg03998636	TRUE	0e+00	1.0e-07	RAB20
cg17819250	TRUE	0e+00	1.0e-07	
cg12116137	TRUE	0e+00	1.0e-07	PRPF8
cg06209210	TRUE	0e+00	1.0e-07	TNFRSF12A
cg07983907	TRUE	0e+00	1.0e-07	ZC3H18
cg16821558	TRUE	0e+00	1.0e-07	
cg21902772	TRUE	0e+00	1.0e-07	RARB
cg25508605	FALSE	0e+00	1.0e-07	SLCO3A1;SLCO3A1
cg13400512	TRUE	0e+00	1.0e-07	TNXB
cg21467935	TRUE	0e+00	1.0e-07	HSPA1L;HSPA1A
cg27240158	TRUE	0e+00	1.0e-07	TEAD1
cg26457809	TRUE	0e+00	1.0e-07	KCNQ1DN
cg18499750	TRUE	0e+00	1.0e-07	CYB561;CYB561;CYB561
cg14631910	TRUE	0e+00	1.0e-07	
cg01026898	TRUE	0e+00	1.0e-07	LOC221122
cg06529453	TRUE	0e+00	1.0e-07	
cg09811317	TRUE	0e+00	1.0e-07	RNF135;RNF135
cg10358954	TRUE	0e+00	1.0e-07	TNPO1;TNPO1
cg02942766	TRUE	0e+00	1.0e-07	
cg17343563	TRUE	0e+00	1.0e-07	TFAP2B
cg08863539	TRUE	0e+00	1.0e-07	ZNF555
cg23999491	TRUE	0e+00	1.0e-07	KRT32
cg06015203	TRUE	0e+00	1.0e-07	NIN;NIN;NIN
cg16586152	TRUE	0e+00	1.0e-07	FLJ36031
cg01450719	TRUE	0e+00	1.0e-07	GRINA;GRINA
cg03044249	TRUE	0e+00	1.0e-07	WBSCR17

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg25030888	TRUE	0e+00	1.0e-07	SGIP1
cg26298038	TRUE	0e+00	1.0e-07	IL17RA;IL17RA
cg00584450	TRUE	0e+00	1.0e-07	FOXL1;FOXL1
cg14248370	TRUE	0e+00	1.0e-07	C9orf78;USP20;USP20;USP20
cg08495374	TRUE	0e+00	1.0e-07	FLJ22536
cg27138949	TRUE	0e+00	1.0e-07	CLDN18
cg03365311	TRUE	0e+00	1.0e-07	MIR129-2
cg07967632	FALSE	0e+00	1.0e-07	LRRK1
cg25483741	TRUE	0e+00	1.0e-07	LYNX1;LYNX1;LYNX1;LYNX1
cg19248676	TRUE	0e+00	1.0e-07	
cg13454407	TRUE	0e+00	1.0e-07	KCNV1
cg06575692	TRUE	0e+00	1.0e-07	DUS2L
cg25409554	TRUE	0e+00	1.0e-07	
cg24870774	TRUE	0e+00	1.0e-07	MIR1908;FADS1
cg19029220	TRUE	0e+00	1.0e-07	UGP2;UGP2
cg03102516	TRUE	0e+00	1.0e-07	NEURL3
cg04233747	TRUE	0e+00	1.0e-07	PRELID2;PRELID2;PRELID2
cg03411644	TRUE	0e+00	1.0e-07	OSBPL10
cg24253461	TRUE	0e+00	1.0e-07	TP53INP1;TP53INP1
cg06465194	TRUE	0e+00	1.0e-07	GRIK4
cg27396284	TRUE	0e+00	1.0e-07	HDAC9;HDAC9;HDAC9;HDAC9;HDAC9
cg05210258	TRUE	0e+00	1.0e-07	FGF14;FGF14
cg26979012	TRUE	0e+00	1.0e-07	PSMC6
cg13810673	TRUE	0e+00	1.0e-07	GPR65
cg23772122	TRUE	0e+00	1.0e-07	ANO3
cg16321975	TRUE	0e+00	1.0e-07	INPP5D;INPP5D
cg07348535	TRUE	0e+00	1.0e-07	LOC100130987
cg08918431	TRUE	0e+00	1.0e-07	ANKHD1;ANKHD1-EIF4EBP3;ANKHD1;ANKHD1
cg03679521	TRUE	0e+00	1.0e-07	NEUROD2;NEUROD2
cg17803993	TRUE	0e+00	1.0e-07	FOXP1;FOXP1
cg09175289	TRUE	0e+00	1.0e-07	TM7SF2;C11orf2
cg06837325	TRUE	0e+00	1.0e-07	
cg09339301	TRUE	0e+00	1.0e-07	QKI;QKI;QKI;QKI
cg03435277	FALSE	0e+00	1.0e-07	NT5DC3
cg01562356	TRUE	0e+00	1.0e-07	EIF2S2
cg06241300	TRUE	0e+00	1.0e-07	APOM
cg11445939	TRUE	0e+00	1.0e-07	HSD17B8;SLC39A7;SLC39A7
cg11235451	TRUE	0e+00	1.0e-07	
cg02235941	TRUE	0e+00	1.0e-07	USP10
cg21471574	TRUE	0e+00	1.0e-07	RPL38;RPL38
cg06908244	TRUE	0e+00	1.0e-07	HHIPL1;HHIPL1
cg12070159	TRUE	0e+00	1.0e-07	RGS20
cg11145461	TRUE	0e+00	1.0e-07	CSRP1;CSRP1
cg11123972	TRUE	0e+00	1.0e-07	SAPS3;SAPS3;SAPS3;SAPS3;SAPS3;SAPS3
cg01269670	TRUE	0e+00	1.0e-07	KRBA1
cg11233000	TRUE	0e+00	1.0e-07	CASZ1;CASZ1
cg21433329	TRUE	0e+00	1.0e-07	DPM1;MOCS3
cg20973735	TRUE	0e+00	1.0e-07	AIP
cg07357683	TRUE	0e+00	1.0e-07	SEMA3G
cg22514595	TRUE	0e+00	1.0e-07	WDR73
cg16751357	TRUE	0e+00	1.0e-07	
cg20312484	TRUE	0e+00	1.0e-07	

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg24847366	TRUE	0e+00	1.0e-07	
cg00184452	TRUE	0e+00	1.0e-07	DMRTA2
cg00397764	TRUE	0e+00	1.0e-07	TDRD1
cg25751484	TRUE	0e+00	1.0e-07	ZSWIM4
cg07944405	TRUE	0e+00	1.0e-07	
cg26476755	TRUE	0e+00	1.0e-07	C11orf86
cg15310873	TRUE	0e+00	1.0e-07	C20orf85
cg13301155	TRUE	0e+00	1.0e-07	MEX3B
cg14780276	TRUE	0e+00	1.0e-07	ARHGAP10
cg26558664	TRUE	0e+00	1.0e-07	LOC494141;LOC494141;LOC494141
cg14071925	TRUE	0e+00	1.0e-07	LILRA1
cg03716822	TRUE	0e+00	1.0e-07	PPAPDC1B;PPAPDC1B;PPAPDC1B
cg07262328	TRUE	0e+00	1.0e-07	CD44;CD44;CD44;CD44;CD44;CD44;CD44;CD44;CD44
cg09343402	FALSE	0e+00	1.0e-07	
cg05952817	TRUE	0e+00	1.0e-07	TMEM132C
cg13057770	TRUE	0e+00	1.0e-07	KATNAL1;KATNAL1
cg09201151	TRUE	0e+00	1.0e-07	SH3GL3;SH3GL3;SH3GL3
cg06226256	TRUE	0e+00	1.0e-07	
cg10364249	TRUE	0e+00	1.0e-07	AHDC1
cg20452961	TRUE	0e+00	1.0e-07	
cg08446111	TRUE	0e+00	1.0e-07	LONP2
cg25597115	TRUE	0e+00	1.0e-07	BRP44;DCAF6;BRP44;BRP44;DCAF6
cg01905111	TRUE	0e+00	1.0e-07	C5orf28
cg00815862	FALSE	0e+00	1.0e-07	FAM38A
cg14920696	TRUE	0e+00	1.0e-07	METTL1;METTL1;FAM119B;FAM119B
cg24441872	TRUE	0e+00	1.0e-07	USP46
cg03377895	TRUE	0e+00	1.0e-07	CTSO
cg19362478	TRUE	0e+00	1.0e-07	
cg03162359	TRUE	0e+00	1.0e-07	ANO6;PLEKHA9;ANO6;ANO6
cg13239252	TRUE	0e+00	1.0e-07	TSPAN19;LRRIQ1;LRRIQ1;LRRIQ1;LRRIQ1
cg22820726	TRUE	0e+00	1.0e-07	
cg04529582	TRUE	0e+00	1.0e-07	TM9SF4;TM9SF4
cg25796098	FALSE	0e+00	1.0e-07	FLOT1;FLOT1
cg02505296	TRUE	0e+00	1.0e-07	GGH
cg04094640	TRUE	0e+00	1.0e-07	NSMCE1
cg08795170	TRUE	0e+00	1.0e-07	PJA2
cg27135516	TRUE	0e+00	1.0e-07	ERP29;TMEM116;ERP29
cg19406106	TRUE	0e+00	1.0e-07	FARSA
cg20488281	TRUE	0e+00	1.0e-07	CCDC60
cg11364073	TRUE	0e+00	1.0e-07	LOC728723;ZBED3
cg08460621	TRUE	0e+00	1.0e-07	
cg26581206	TRUE	0e+00	1.0e-07	NCOR2;NCOR2
cg00463631	TRUE	0e+00	1.0e-07	GRIA2;GRIA2;GRIA2
cg23340345	TRUE	0e+00	1.0e-07	EFHD1;EFHD1
cg03821916	FALSE	0e+00	1.0e-07	BCAS3;BCAS3;BCAS3;BCAS3
cg05046597	TRUE	0e+00	1.0e-07	ZNF398;ZNF425;ZNF398
cg05120900	TRUE	0e+00	1.0e-07	
cg17091893	TRUE	0e+00	1.0e-07	
cg26811065	TRUE	0e+00	1.0e-07	PSMB9;PSMB9
cg03964958	TRUE	0e+00	1.0e-07	HOXD12
cg25694915	TRUE	0e+00	1.0e-07	NOSTRIN;NOSTRIN;NOSTRIN;NOSTRIN
cg01300852	TRUE	0e+00	1.0e-07	RPS6KA2;RPS6KA2

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg07917031	TRUE	0e+00	1.0e-07	SIPA1L2
cg16888547	TRUE	0e+00	1.0e-07	
cg09881510	TRUE	0e+00	1.0e-07	PPFIA2;PPFIA2
cg22756866	TRUE	0e+00	1.0e-07	
cg12158272	TRUE	0e+00	1.0e-07	PRR16
cg13872965	TRUE	0e+00	1.0e-07	NOG;NOG
cg22935192	TRUE	0e+00	1.0e-07	
cg12968685	TRUE	0e+00	1.0e-07	LDLRAD3
cg22434594	TRUE	0e+00	1.0e-07	
cg01981601	FALSE	0e+00	1.0e-07	TOX
cg05001964	TRUE	0e+00	1.0e-07	IRX3
cg22179177	TRUE	0e+00	1.0e-07	SLC25A19;SLC25A19;SLC25A19
cg03103178	TRUE	0e+00	1.0e-07	ADRB3;ADRB3
cg12977942	TRUE	0e+00	1.0e-07	FLJ42709;FLJ42709
cg12423658	TRUE	0e+00	1.0e-07	CARS2
cg08241785	TRUE	0e+00	1.0e-07	F2RL2;IQGAP2
cg04898810	TRUE	0e+00	1.0e-07	
cg13425677	TRUE	0e+00	1.0e-07	MAP3K1
cg16054546	TRUE	0e+00	1.0e-07	
cg24856726	TRUE	0e+00	1.0e-07	ASCL4
cg13244241	TRUE	0e+00	1.0e-07	
cg07921314	TRUE	0e+00	1.0e-07	NRF1
cg25618149	TRUE	0e+00	1.0e-07	SNW1;C14orf178
cg08213607	TRUE	0e+00	1.0e-07	NLRC3;NLRC3
cg23271530	TRUE	0e+00	1.0e-07	PCCA;PCCA
cg26456255	TRUE	0e+00	1.0e-07	SIPA1L3
cg19909712	TRUE	0e+00	1.0e-07	DKFZp686O24166
cg27287840	TRUE	0e+00	1.0e-07	GLCCI1
cg24411961	TRUE	0e+00	1.0e-07	C1orf94;C1orf94
cg21390574	TRUE	0e+00	1.0e-07	SEMA5B
cg15065877	TRUE	0e+00	1.0e-07	GPX6
cg24176563	TRUE	0e+00	1.0e-07	EYA4;EYA4;EYA4;EYA4;EYA4;EYA4
cg03368627	TRUE	0e+00	1.0e-07	CADPS2;CADPS2;CADPS2
cg17739026	FALSE	0e+00	1.0e-07	PIGV
cg01452911	TRUE	0e+00	1.0e-07	
cg05672912	TRUE	0e+00	1.0e-07	
cg03507199	TRUE	0e+00	1.0e-07	SOBP
cg00392377	TRUE	0e+00	1.0e-07	SLC17A7
cg04458972	TRUE	0e+00	1.0e-07	TRPM5
cg02083259	TRUE	0e+00	1.0e-07	RSPRY1;FAM192A
cg06143615	TRUE	0e+00	1.0e-07	NUP210
cg14585611	TRUE	0e+00	1.0e-07	CIR1;CIR1;SCRN3
cg27343304	TRUE	0e+00	1.0e-07	ZBTB1;ZBTB1
cg00953211	TRUE	0e+00	1.0e-07	HFE2;HFE2;HFE2;HFE2
cg14545570	TRUE	0e+00	1.0e-07	COL27A1
cg00513208	TRUE	0e+00	1.0e-07	UPF2;UPF2
cg13345380	TRUE	0e+00	1.0e-07	TMEM93;TMEM93;TAX1BP3
cg17458101	TRUE	0e+00	1.0e-07	DNA2
cg05798523	TRUE	0e+00	1.0e-07	IMPA1;IMPA1;IMPA1;IMPA1;IMPA1
cg20064897	TRUE	0e+00	1.0e-07	GALNT9
cg18124201	TRUE	0e+00	1.0e-07	SULF2;SULF2;SULF2;SULF2
cg03019460	TRUE	0e+00	1.0e-07	C11orf51

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg18530551	TRUE	0e+00	1.0e-07	
cg06228648	TRUE	0e+00	1.0e-07	ATP8A2
cg10916494	TRUE	0e+00	1.0e-07	SNHG5;SNORD50B;SNORD50A
cg26209487	TRUE	0e+00	1.0e-07	
cg07624812	TRUE	0e+00	1.0e-07	TAS1R3
cg15619745	TRUE	0e+00	1.0e-07	SMC3
cg24786875	TRUE	0e+00	1.0e-07	ANKRD32
cg03617693	TRUE	0e+00	1.0e-07	
cg13514718	TRUE	0e+00	1.0e-07	STK31;STK31;STK31
cg17329691	TRUE	0e+00	1.0e-07	C19orf29;C19orf29
cg09806262	TRUE	0e+00	1.0e-07	ALOX5
cg09193477	TRUE	0e+00	1.0e-07	PTPRN2;PTPRN2;PTPRN2
cg02259877	TRUE	0e+00	1.0e-07	
cg04539072	TRUE	0e+00	1.0e-07	PTER;PTER;PTER;PTER
cg03065803	FALSE	0e+00	1.0e-07	PSAP;PSAP;PSAP
cg15927720	TRUE	0e+00	1.0e-07	SLIT3
cg08708684	TRUE	0e+00	1.0e-07	UTF1
cg08141806	TRUE	0e+00	1.0e-07	FBXO21;FBXO21
cg02749804	TRUE	0e+00	1.0e-07	CASC3
cg26068090	TRUE	0e+00	1.0e-07	
cg19774553	TRUE	0e+00	1.0e-07	MGAT2;RPL36AL
cg07868273	TRUE	0e+00	1.0e-07	CD8A
cg00691969	TRUE	0e+00	1.0e-07	MTHFD1
cg11201541	TRUE	0e+00	1.0e-07	C17orf56;C17orf89
cg20351171	TRUE	0e+00	1.0e-07	
cg24040450	TRUE	0e+00	1.0e-07	KCNT2
cg03256955	TRUE	0e+00	1.0e-07	TGFBR2;TGFB2
cg16818768	FALSE	0e+00	1.0e-07	PSMG1;PSMG1
cg26178251	TRUE	0e+00	1.0e-07	
cg03284175	TRUE	0e+00	1.0e-07	PRKAB2
cg00324725	TRUE	0e+00	1.0e-07	
cg09391405	TRUE	0e+00	1.0e-07	NCK2;NCK2
cg14012310	TRUE	0e+00	1.0e-07	
cg22535729	TRUE	0e+00	1.0e-07	RP1
cg03951153	TRUE	0e+00	1.0e-07	CPOX
cg16540026	TRUE	0e+00	1.0e-07	FAM111B;FAM111B;FAM111B
cg18789918	TRUE	0e+00	1.0e-07	SLITRK1;SLITRK1
cg01026458	TRUE	0e+00	1.0e-07	NECAB1
cg12437239	TRUE	0e+00	1.0e-07	GOLIM4
cg03156260	TRUE	0e+00	1.0e-07	BTC
cg26845430	TRUE	0e+00	1.0e-07	
cg04726784	TRUE	0e+00	1.0e-07	PCDHGA4;PCDHGA6;PCDHGA9;PCDHGA1;PCDHGA8;PCDHGA5;P
cg06499637	TRUE	0e+00	1.0e-07	C10orf78;C10orf78
cg00914033	TRUE	0e+00	1.0e-07	
cg20460852	TRUE	0e+00	1.0e-07	TNFRSF10A
cg08707063	TRUE	0e+00	1.0e-07	FUBP1
cg02704927	TRUE	0e+00	1.0e-07	SFRS12;SFRS12
cg11970349	TRUE	0e+00	1.0e-07	GPR78
cg10253371	TRUE	0e+00	1.0e-07	PTHLH;PTHLH;PTHLH;PTHLH
cg01532694	TRUE	0e+00	1.0e-07	
cg10457563	TRUE	0e+00	1.0e-07	KIF6;KIF6
cg26826004	TRUE	0e+00	1.0e-07	PCDHGA4;PCDHGA6;PCDHGA9;PCDHGA1;PCDHGA8;PCDHGA5;P

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg20318156	TRUE	0e+00	1.0e-07	LPPR5;LPPR5
cg09419352	TRUE	0e+00	1.0e-07	
cg19938277	TRUE	0e+00	1.0e-07	ASAH1;ASAH1;ASAH1;ASAH1;ASAH1
cg14315863	TRUE	0e+00	1.0e-07	KPNA4
cg15626285	TRUE	0e+00	1.0e-07	C1S;C1S
cg23920642	TRUE	0e+00	1.0e-07	
cg18049164	TRUE	0e+00	1.0e-07	TSLP
cg15577595	TRUE	0e+00	1.0e-07	ZNF804A
cg16245510	TRUE	0e+00	1.0e-07	SYF2;SYF2
cg15381304	TRUE	0e+00	1.0e-07	GPR6
cg24966460	TRUE	0e+00	1.0e-07	TERF2IP;KARS;KARS
cg22909709	TRUE	0e+00	1.0e-07	
cg03185593	TRUE	0e+00	1.0e-07	NID1
cg07658357	TRUE	0e+00	1.0e-07	TBX5;TBX5;TBX5;TBX5
cg17074704	TRUE	0e+00	1.0e-07	TGFBR3
cg23639257	TRUE	0e+00	1.0e-07	RECQL5;RECQL5;SAP30BP;RECQL5
cg08847944	TRUE	0e+00	1.0e-07	
cg03186972	FALSE	0e+00	1.0e-07	ANKRD16;FBXO18;ANKRD16;ANKRD16
cg22103585	TRUE	0e+00	1.0e-07	CCNT1
cg15336705	TRUE	0e+00	1.0e-07	
cg06818865	TRUE	0e+00	1.0e-07	ABO
cg25365958	TRUE	0e+00	1.0e-07	
cg22446998	TRUE	0e+00	1.0e-07	
cg11777420	TRUE	0e+00	1.0e-07	EPB41L5
cg22926526	FALSE	0e+00	1.0e-07	G2E3
cg01385795	TRUE	0e+00	1.0e-07	CYP2R1
cg16214492	TRUE	0e+00	1.0e-07	TMC8;TMC6
cg02776251	TRUE	0e+00	1.0e-07	USP15
cg11070260	TRUE	0e+00	1.0e-07	COASY;COASY;COASY;COASY;COASY
cg17386777	TRUE	0e+00	1.0e-07	
cg04680304	TRUE	0e+00	1.0e-07	RRM1;RRM1
cg09537307	TRUE	0e+00	1.0e-07	ZNF92;ZNF92
cg06222048	TRUE	0e+00	1.0e-07	R3HDM1;ZRANB3
cg00267694	TRUE	0e+00	1.0e-07	
cg14097199	TRUE	0e+00	1.0e-07	SCAMP4;ADAT3
cg20675439	TRUE	0e+00	1.0e-07	
cg14356440	TRUE	0e+00	1.0e-07	MGAT5
cg10683929	TRUE	0e+00	1.0e-07	
cg26791905	TRUE	0e+00	1.0e-07	PHGDH
cg14109799	FALSE	0e+00	1.0e-07	AP4S1;STRN3;STRN3;STRN3;STRN3;AP4S1
cg09865173	TRUE	0e+00	1.0e-07	NT5C2;NT5C2
cg23811540	FALSE	0e+00	1.0e-07	MAD2L2;MAD2L2
cg20834073	TRUE	0e+00	1.0e-07	PDE6G;PDE6G
cg07130266	TRUE	0e+00	1.0e-07	RASSF1;RASSF1;RASSF1;RASSF1;RASSF1
cg15431576	FALSE	0e+00	1.0e-07	MORN4;MORN4
cg06400704	TRUE	0e+00	1.0e-07	FMN2
cg22504523	TRUE	0e+00	1.0e-07	
cg01625087	TRUE	0e+00	1.0e-07	
cg01037082	TRUE	0e+00	1.0e-07	
cg06793484	FALSE	0e+00	1.0e-07	FAM20C
cg04278597	TRUE	0e+00	1.0e-07	DOCK7
cg27089789	FALSE	0e+00	1.0e-07	AP3D1;AP3D1

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg10698928	TRUE	0e+00	1.0e-07	MIR124-2
cg24395016	TRUE	0e+00	1.0e-07	ZNF862
cg03086663	TRUE	0e+00	1.0e-07	NR2F1
cg06155641	TRUE	0e+00	1.0e-07	GLT6D1
cg23129478	TRUE	0e+00	1.0e-07	ST8SIA5
cg01245787	TRUE	0e+00	1.0e-07	DCK
cg00579868	TRUE	0e+00	1.0e-07	WIPI2;WIPI2;WIPI2;WIPI2;WIPI2
cg05777757	TRUE	0e+00	1.0e-07	
cg02268171	TRUE	0e+00	1.0e-07	
cg00875804	FALSE	0e+00	1.0e-07	KIAA0182;KIAA0182
cg01949993	TRUE	0e+00	1.0e-07	LAMC2;LAMC2
cg09682913	TRUE	0e+00	1.0e-07	LBH
cg03847636	TRUE	0e+00	1.0e-07	GRPEL1
cg17213402	TRUE	0e+00	1.0e-07	
cg23660356	TRUE	0e+00	1.0e-07	PPT2;PPT2
cg01879039	TRUE	0e+00	1.0e-07	RAB3B
cg09405380	TRUE	0e+00	1.0e-07	PBX4
cg26398791	TRUE	0e+00	1.0e-07	SF3A3
cg05523017	TRUE	0e+00	1.0e-07	CACNA2D3
cg06391926	TRUE	0e+00	1.0e-07	NUBP2;SPSB3
cg08502533	TRUE	0e+00	1.0e-07	
cg06877024	TRUE	0e+00	1.0e-07	
cg19568544	TRUE	0e+00	1.0e-07	PCDHB5;PCDHB5
cg26600181	TRUE	0e+00	1.0e-07	FLJ36777
cg25079691	TRUE	0e+00	1.0e-07	
cg01814565	TRUE	0e+00	1.0e-07	C8orf34
cg19447156	FALSE	0e+00	1.0e-07	CACNA2D2;CACNA2D2
cg09562331	TRUE	0e+00	1.0e-07	C3orf18
cg00500498	TRUE	0e+00	1.0e-07	THBS2
cg14643399	TRUE	0e+00	1.0e-07	
cg19644670	TRUE	0e+00	1.0e-07	MYO9B;MYO9B;HAUS8;HAUS8
cg04242070	TRUE	0e+00	1.0e-07	
cg21637282	TRUE	0e+00	1.0e-07	GOSR2;GOSR2;GOSR2
cg01434302	TRUE	0e+00	1.0e-07	CSMD1
cg09633604	TRUE	0e+00	1.0e-07	
cg10126931	TRUE	0e+00	1.0e-07	BDH1
cg22037798	TRUE	0e+00	1.0e-07	C1orf124;C1orf124;C1orf124;C1orf124;EXOC8
cg01489419	TRUE	0e+00	1.0e-07	
cg04209035	TRUE	0e+00	1.0e-07	STK11IP
cg10117369	TRUE	0e+00	1.0e-07	LAX1;LAX1
cg08802933	TRUE	0e+00	1.0e-07	VIL1
cg13840174	TRUE	0e+00	1.0e-07	IGSF21
cg21028182	TRUE	0e+00	1.0e-07	NOP56;SNORD86;NOP56;SNORA51
cg08133824	TRUE	0e+00	1.0e-07	MCM7;MCM7;AP4M1
cg13423151	TRUE	0e+00	1.0e-07	NIPSNAP3B;NIPSNAP3B
cg12929487	TRUE	0e+00	1.0e-07	
cg09789939	TRUE	0e+00	1.0e-07	ZFPM1
cg13753662	TRUE	0e+00	1.0e-07	
cg27629154	TRUE	0e+00	1.0e-07	RSPH4A;RSPH4A
cg17971171	TRUE	0e+00	1.0e-07	PRCC;PRCC
cg04284321	TRUE	0e+00	1.0e-07	
cg23688719	TRUE	0e+00	1.0e-07	LEPR;LEPR;LEPR



CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg26910488	TRUE	0e+00	1.0e-07	AMZ2;AMZ2;AMZ2;AMZ2;AMZ2;AMZ2
cg23576260	TRUE	0e+00	1.0e-07	ZNF335
cg13389211	TRUE	0e+00	1.0e-07	CCDC40
cg00875096	TRUE	0e+00	1.0e-07	SLC39A10;SLC39A10
cg19027710	TRUE	0e+00	1.0e-07	CHST2
cg23015341	TRUE	0e+00	1.0e-07	TFAP2B
cg13730841	TRUE	0e+00	1.0e-07	GUCY1B3
cg00874581	TRUE	0e+00	1.0e-07	CDC25A;CDC25A
cg01403655	TRUE	0e+00	1.0e-07	
cg11145749	FALSE	0e+00	1.0e-07	ROGDI
cg18304280	TRUE	0e+00	1.0e-07	
cg00664054	TRUE	0e+00	1.0e-07	REEP4
cg22452230	TRUE	0e+00	1.0e-07	
cg25850044	TRUE	0e+00	1.0e-07	
cg15852963	TRUE	0e+00	1.0e-07	SOX2OT
cg00591895	TRUE	0e+00	1.0e-07	
cg03456993	TRUE	0e+00	1.0e-07	
cg04867146	TRUE	0e+00	1.0e-07	
cg01063178	TRUE	0e+00	1.0e-07	TDRKH;TDRKH;TDRKH;TDRKH
cg23822732	TRUE	0e+00	1.0e-07	
cg15845118	TRUE	0e+00	1.0e-07	
cg23983106	TRUE	0e+00	1.0e-07	
cg04043623	TRUE	0e+00	1.0e-07	AHCY;AHCY
cg10379050	TRUE	0e+00	1.0e-07	TSPAN19;LRRIQ1;LRRIQ1
cg13917020	TRUE	0e+00	1.0e-07	
cg09199031	TRUE	0e+00	1.0e-07	ATP6V0B;ATP6V0B
cg03503634	FALSE	0e+00	1.0e-07	TRAF6;TRAF6
cg20752795	TRUE	0e+00	1.0e-07	GDF7
cg01153817	TRUE	0e+00	1.0e-07	KCNJ11;KCNJ11
cg09883264	TRUE	0e+00	1.0e-07	NDFIP1
cg04750593	TRUE	0e+00	1.0e-07	METAP1
cg00088007	TRUE	0e+00	1.0e-07	NKX6-3
cg01212284	TRUE	0e+00	1.0e-07	MCCC1
cg16450309	FALSE	0e+00	1.0e-07	EIF5A2
cg03863549	TRUE	0e+00	1.0e-07	NOL6;SUGT1P1;NOL6
cg22454005	TRUE	0e+00	1.0e-07	PRKCG
cg09123951	TRUE	0e+00	1.0e-07	
cg03225002	TRUE	0e+00	1.0e-07	PPP2R2B;PPP2R2B;PPP2R2B;PPP2R2B;PPP2R2B;PPP2R2B;PPP2R2B
cg10341991	TRUE	0e+00	1.0e-07	CDC25A;CDC25A
cg24820809	TRUE	0e+00	1.0e-07	MB;MB
cg21445398	TRUE	0e+00	1.0e-07	CNTNAP5
cg03173722	TRUE	0e+00	1.0e-07	RUFY3;RUFY3;RUFY3
cg02103647	TRUE	0e+00	1.0e-07	
cg26765743	TRUE	0e+00	1.0e-07	
cg17859081	TRUE	0e+00	1.0e-07	PRDX6
cg11474701	TRUE	0e+00	1.0e-07	
cg18923721	TRUE	0e+00	1.0e-07	PIK3R5
cg01283887	TRUE	0e+00	1.0e-07	CTNNA3;CTNNA3
cg02131639	TRUE	0e+00	1.0e-07	
cg16284507	TRUE	0e+00	1.0e-07	
cg11643285	TRUE	0e+00	1.0e-07	RFTN1
cg22949637	TRUE	0e+00	1.0e-07	PRPF38B

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg15562220	TRUE	0e+00	1.0e-07	SCGN
cg14864148	TRUE	0e+00	1.0e-07	ARHGEF17
cg25172145	TRUE	0e+00	1.0e-07	PPM1F
cg22531183	TRUE	0e+00	1.0e-07	FLJ26850
cg00314018	TRUE	0e+00	1.0e-07	CDC25B;CDC25B;CDC25B
cg06775930	TRUE	0e+00	1.0e-07	
cg22117918	TRUE	0e+00	1.0e-07	SLC22A3
cg04999902	TRUE	0e+00	1.0e-07	NGFR
cg23434654	TRUE	0e+00	1.0e-07	SNCAIP
cg25885170	TRUE	0e+00	1.0e-07	LOC407835
cg15059513	TRUE	0e+00	1.0e-07	RBM15
cg15345154	TRUE	0e+00	1.0e-07	C1QL3;C1QL3
cg25591301	TRUE	0e+00	1.0e-07	
cg08090640	TRUE	0e+00	1.0e-07	IFI35
cg20127188	TRUE	0e+00	1.0e-07	SDF2L1
cg10413281	TRUE	0e+00	1.0e-07	METTL3;METTL3
cg10561835	TRUE	0e+00	1.0e-07	NKX2-8
cg09025960	TRUE	0e+00	1.0e-07	TMEM63A
cg24604013	TRUE	0e+00	1.0e-07	SOX1
cg26161997	TRUE	0e+00	1.0e-07	
cg00500892	TRUE	0e+00	1.0e-07	NPR1
cg22264946	TRUE	0e+00	1.0e-07	KIAA1009
cg18686665	FALSE	0e+00	1.0e-07	
cg16666560	TRUE	0e+00	1.0e-07	PTCD2;MRPS27
cg06297541	TRUE	0e+00	1.0e-07	CDR2
cg16307502	TRUE	0e+00	1.0e-07	BBS10
cg13289579	TRUE	0e+00	1.0e-07	
cg05907686	TRUE	0e+00	1.0e-07	CAGE1;CAGE1;RIOK1;CAGE1
cg18770660	FALSE	0e+00	1.0e-07	CDC42EP2
cg02529723	TRUE	0e+00	1.0e-07	VTRNA1-3
cg07811498	TRUE	0e+00	1.0e-07	C22orf32
cg22188917	TRUE	0e+00	1.0e-07	SRF
cg23681213	TRUE	0e+00	1.0e-07	PNMA1;PNMA1
cg11469540	TRUE	0e+00	1.0e-07	MAP2K3
cg18126442	TRUE	0e+00	1.0e-07	LOC100132215
cg00306851	TRUE	0e+00	1.0e-07	
cg00654888	TRUE	0e+00	1.0e-07	EN1
cg02704158	TRUE	0e+00	1.0e-07	
cg13096242	TRUE	0e+00	1.0e-07	BRD2;BRD2
cg07185843	FALSE	0e+00	1.0e-07	ANKRD31
cg04009108	FALSE	0e+00	1.0e-07	
cg14128735	TRUE	0e+00	1.0e-07	ALX4
cg23092538	FALSE	0e+00	1.0e-07	BCL11A;BCL11A;BCL11A
cg05560725	TRUE	0e+00	1.0e-07	FUCA1
cg09903090	FALSE	0e+00	1.0e-07	CCND3;CCND3;CCND3;CCND3
cg07852231	TRUE	0e+00	1.0e-07	
cg24427089	TRUE	0e+00	1.0e-07	ADAMTS14;ADAMTS14
cg02499494	TRUE	0e+00	1.0e-07	LRIG3;LRIG3;LRIG3
cg03914922	TRUE	0e+00	1.0e-07	
cg22764338	TRUE	0e+00	1.0e-07	PCDH1;PCDH1
cg24946795	TRUE	0e+00	1.0e-07	SCN8A
cg08486875	TRUE	0e+00	1.0e-07	

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg08270682	TRUE	0e+00	1.0e-07	
cg04848660	TRUE	0e+00	1.0e-07	
cg08196608	TRUE	0e+00	1.0e-07	
cg25648121	TRUE	0e+00	1.0e-07	ARHGAP23
cg19248602	TRUE	0e+00	1.0e-07	
cg08991599	TRUE	0e+00	1.0e-07	FAM84B
cg03554749	TRUE	0e+00	1.0e-07	
cg22796051	TRUE	0e+00	1.0e-07	
cg01145398	FALSE	0e+00	1.0e-07	
cg04440551	TRUE	0e+00	1.0e-07	ADCY3
cg25319826	TRUE	0e+00	1.0e-07	PTPRU;PTPRU;PTPRU
cg05863862	TRUE	0e+00	1.0e-07	
cg21825944	TRUE	0e+00	1.0e-07	NR5A2;NR5A2
cg06281296	TRUE	0e+00	1.0e-07	PPID
cg05251755	TRUE	0e+00	1.0e-07	EFR3B
cg01371072	TRUE	0e+00	1.0e-07	PITX2;PITX2;PITX2
cg22404290	TRUE	0e+00	1.0e-07	
cg07141565	TRUE	0e+00	1.0e-07	FLJ26850
cg06532613	TRUE	0e+00	1.0e-07	IPO11;IPO11
cg23429903	TRUE	0e+00	1.0e-07	EPHA3;EPHA3
cg12656815	TRUE	0e+00	1.0e-07	BCAN
cg23738833	TRUE	0e+00	1.0e-07	SNHG3-RCC1;SNHG3-RCC1;SNHG3-RCC1;SNHG3
cg03114573	TRUE	0e+00	1.0e-07	DBX2
cg22760086	TRUE	0e+00	1.0e-07	TMEM11;TMEM11
cg01653417	TRUE	0e+00	1.0e-07	
cg16451324	TRUE	0e+00	1.0e-07	PDE1A;PDE1A
cg20248458	FALSE	0e+00	1.0e-07	C2orf43
cg04562976	TRUE	0e+00	1.0e-07	C1orf9;C1orf9
cg04139515	TRUE	0e+00	1.0e-07	SLAIN1;SLAIN1
cg17272224	TRUE	0e+00	1.0e-07	SIX2
cg07348845	TRUE	0e+00	1.0e-07	
cg08110874	TRUE	0e+00	1.0e-07	DCLK1
cg16922039	TRUE	0e+00	1.0e-07	
cg12581035	TRUE	0e+00	1.0e-07	PHC1
cg11201040	TRUE	0e+00	1.0e-07	PRELP;PRELP
cg13101652	TRUE	0e+00	1.0e-07	
cg09611620	TRUE	0e+00	1.0e-07	FOXP1;FOXP1
cg14953580	TRUE	0e+00	1.0e-07	SESN3
cg02773086	TRUE	0e+00	1.0e-07	HOXD3
cg20786074	TRUE	0e+00	1.0e-07	EFEMP1;EFEMP1;EFEMP1;EFEMP1
cg13468625	TRUE	0e+00	1.0e-07	EXD3
cg09120320	TRUE	0e+00	1.0e-07	
cg23099439	TRUE	0e+00	1.0e-07	ACOX1;FBF1;ACOX1
cg01364862	TRUE	0e+00	1.0e-07	SCHIP1
cg00903010	TRUE	0e+00	1.0e-07	OXA1L
cg01589860	TRUE	0e+00	1.0e-07	ARAP1;ARAP1;ARAP1
cg05256483	TRUE	0e+00	1.0e-07	
cg11990702	TRUE	0e+00	1.0e-07	
cg01182171	FALSE	0e+00	1.0e-07	
cg07998216	TRUE	0e+00	1.0e-07	SLCO5A1;SLCO5A1;SLCO5A1
cg12207153	TRUE	0e+00	1.0e-07	
cg27211204	TRUE	0e+00	1.0e-07	LRRC28

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg24695828	TRUE	0e+00	1.0e-07	ZNF566;ZNF566;ZNF566;ZNF566
cg04397817	TRUE	0e+00	1.0e-07	BAT2
cg07492757	TRUE	0e+00	1.0e-07	TFAP2A
cg18452324	TRUE	0e+00	1.0e-07	MFNG;MFNG;MFNG;MFNG;MFNG
cg13946520	TRUE	0e+00	1.0e-07	CD8A;CD8A;CD8A;CD8A
cg17180742	FALSE	0e+00	1.0e-07	MAPK7;MAPK7;MAPK7;MAPK7
cg21594839	TRUE	0e+00	1.0e-07	OC90
cg23188430	TRUE	0e+00	1.0e-07	
cg02251393	TRUE	0e+00	1.0e-07	DAPL1
cg19769147	TRUE	0e+00	1.0e-07	PACS2;PACS2
cg13351406	TRUE	0e+00	1.0e-07	
cg06871262	TRUE	0e+00	1.0e-07	MACROD1
cg25124276	TRUE	0e+00	1.0e-07	LOC100128811;GPR158
cg06059147	TRUE	0e+00	1.0e-07	PADI1
cg27544375	TRUE	0e+00	1.0e-07	MRPL32;PSMA2
cg15751131	TRUE	0e+00	1.0e-07	SLC37A3;SLC37A3
cg05205563	TRUE	0e+00	1.0e-07	SRGAP1
cg12873919	TRUE	0e+00	1.0e-07	BCL2L1;BCL2L1
cg02286335	TRUE	0e+00	1.0e-07	ZWINT;ZWINT;ZWINT
cg20628994	TRUE	0e+00	1.0e-07	C10orf82
cg10530644	TRUE	0e+00	1.0e-07	NSL1;TATDN3;NSL1;TATDN3;NSL1;TATDN3;NSL1;TATDN3;TATDN3
cg22125569	TRUE	0e+00	1.0e-07	
cg21693780	TRUE	0e+00	1.0e-07	DDX1;DDX1
cg21437561	TRUE	0e+00	1.0e-07	
cg22372505	TRUE	0e+00	1.0e-07	KLC2;KLC2;KLC2;KLC2
cg22087338	TRUE	0e+00	1.0e-07	ZNF780B
cg00418282	TRUE	0e+00	1.0e-07	
cg09622715	TRUE	0e+00	1.0e-07	
cg24251484	TRUE	0e+00	1.0e-07	PDZD8
cg05078817	TRUE	0e+00	1.0e-07	
cg19346371	TRUE	0e+00	1.0e-07	TBX3;TBX3
cg16756589	TRUE	0e+00	1.0e-07	CREB5;CREB5;CREB5
cg09981464	TRUE	0e+00	1.0e-07	ZCCHC14
cg18595196	TRUE	0e+00	1.0e-07	GNL3;GNL3;GNL3;SNORD69
cg11511713	TRUE	0e+00	1.0e-07	CPSF2;NDUFB1
cg22833065	TRUE	0e+00	1.0e-07	
cg22602105	TRUE	0e+00	1.0e-07	SPON2;LOC100130872-SPON2;SPON2
cg05014952	TRUE	0e+00	1.0e-07	NFKBIA
cg18782774	TRUE	0e+00	1.0e-07	
cg06619621	TRUE	0e+00	1.0e-07	
cg02078690	TRUE	0e+00	1.0e-07	BSX
cg04191427	TRUE	0e+00	1.0e-07	RPTOR;RPTOR
cg07640473	TRUE	0e+00	1.0e-07	SEMA3F
cg26457075	TRUE	0e+00	1.0e-07	
cg14689953	TRUE	0e+00	1.0e-07	FAM190A;FAM190A
cg02574509	TRUE	0e+00	1.0e-07	FMN2;FMN2
cg08800530	TRUE	0e+00	1.0e-07	KIAA1191;KIAA1191;KIAA1191;KIAA1191;KIAA1191;KIAA1191
cg21508714	TRUE	0e+00	1.0e-07	RBM20
cg14852486	TRUE	0e+00	1.0e-07	CTPS;CTPS
cg04945395	TRUE	0e+00	1.0e-07	C3orf52
cg00775615	TRUE	0e+00	1.0e-07	PRPF38B
cg06569271	TRUE	0e+00	1.0e-07	EIF4A2;SNORD2

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg07603794	TRUE	0e+00	1.0e-07	CLASP1;CLASP1;CLASP1
cg24561572	TRUE	0e+00	1.0e-07	FMNL1
cg03239957	TRUE	0e+00	1.0e-07	
cg25949304	TRUE	0e+00	1.0e-07	PCDHGA4;PCDHGA12;PCDHGA11;PCDHGA11;PCDHGA9;PCDHGA
cg12836280	TRUE	0e+00	1.0e-07	
cg18453576	TRUE	0e+00	1.0e-07	
cg04614053	TRUE	0e+00	1.0e-07	ZNF20
cg02286380	TRUE	0e+00	1.0e-07	ARRB2;ARRB2
cg13158291	TRUE	0e+00	1.0e-07	MCM6
cg25739792	TRUE	0e+00	1.0e-07	PAX2;PAX2;PAX2;PAX2;PAX2
cg03637815	TRUE	0e+00	1.0e-07	
cg24356725	FALSE	0e+00	1.0e-07	KIAA1530
cg17004353	TRUE	0e+00	1.0e-07	CARS;CARS;CARS;CARS
cg01351869	TRUE	0e+00	1.0e-07	C15orf37;ST20;ST20
cg18969232	TRUE	0e+00	1.0e-07	
cg09559189	TRUE	0e+00	1.0e-07	EBF2
cg14322215	FALSE	0e+00	1.0e-07	TRIM27
cg00807143	TRUE	0e+00	1.0e-07	WRAP53;TP53;TP53;WRAP53;TP53;WRAP53;TP53;TP53;TP53;TP53
cg09809416	TRUE	0e+00	1.0e-07	
cg25257677	TRUE	0e+00	1.0e-07	SLC39A14;SLC39A14;SLC39A14;SLC39A14
cg10808399	FALSE	0e+00	1.0e-07	PLSCR3
cg02380531	TRUE	0e+00	1.0e-07	
cg07062412	TRUE	0e+00	1.0e-07	GIN51;GIN51
cg14532720	TRUE	0e+00	1.0e-07	RAGE
cg06118578	TRUE	0e+00	1.0e-07	RTTN;RTTN
cg21960680	TRUE	0e+00	1.0e-07	OTP
cg04674081	FALSE	0e+00	1.0e-07	COX8A
cg13624385	TRUE	0e+00	1.0e-07	PCDH7;PCDH7;PCDH7
cg04728919	TRUE	0e+00	1.0e-07	TMC2
cg01509203	TRUE	0e+00	1.0e-07	PHF5A;ACO2
cg03512355	TRUE	0e+00	1.0e-07	RNF34;RNF34
cg03552937	TRUE	0e+00	1.0e-07	ZMIZ2;ZMIZ2
cg00326813	TRUE	0e+00	1.0e-07	C8orf76
cg02881929	TRUE	0e+00	1.0e-07	
cg15151387	TRUE	0e+00	1.0e-07	
cg04876465	FALSE	0e+00	1.0e-07	TESK1
cg12939648	TRUE	0e+00	1.0e-07	
cg10035432	TRUE	0e+00	1.0e-07	PNN
cg13062396	TRUE	0e+00	1.0e-07	SLC16A14
cg03092918	TRUE	0e+00	1.0e-07	OAT
cg03623378	TRUE	0e+00	1.0e-07	ISM1
cg13129888	TRUE	0e+00	1.0e-07	EYA3;EYA3
cg07358444	TRUE	0e+00	1.0e-07	
cg19722082	TRUE	0e+00	1.0e-07	EDIL3
cg07590961	TRUE	0e+00	1.0e-07	DPP6;DPP6;DPP6
cg02351179	FALSE	0e+00	1.0e-07	RAB1B
cg03667091	TRUE	0e+00	1.0e-07	ACTL6A;ACTL6A;ACTL6A;ACTL6A;ACTL6A;ACTL6A
cg02701625	TRUE	0e+00	1.0e-07	VWC2L
cg21606115	TRUE	0e+00	1.0e-07	PTPRN2;PTPRN2;PTPRN2
cg08090164	TRUE	0e+00	1.0e-07	LYNX1;LYNX1;LYNX1;LYNX1
cg21614682	TRUE	0e+00	1.0e-07	ABLIM3
cg25699034	TRUE	0e+00	1.0e-07	C17orf95;JMJD6;JMJD6

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg10159630	TRUE	0e+00	1.0e-07	HOXD3
cg15080361	TRUE	0e+00	1.0e-07	
cg19747852	TRUE	0e+00	1.0e-07	TRA2A
cg01468907	TRUE	0e+00	1.0e-07	CRISPLD2
cg26049726	TRUE	0e+00	1.0e-07	EGR4
cg00173906	TRUE	0e+00	1.0e-07	
cg25967419	TRUE	0e+00	1.0e-07	KLC4;KLC4;KLC4;MRPL2;KLC4
cg23539633	TRUE	0e+00	1.0e-07	
cg06090351	TRUE	0e+00	1.0e-07	ADSS
cg08894020	TRUE	0e+00	1.0e-07	
cg00215350	TRUE	0e+00	1.0e-07	C17orf100;MED31;C17orf100
cg03464336	TRUE	0e+00	1.0e-07	UBE3A
cg10310144	TRUE	0e+00	2.0e-07	
cg01960016	TRUE	0e+00	2.0e-07	MSX2
cg00350942	TRUE	0e+00	2.0e-07	GRIN1;GRIN1;GRIN1
cg23330450	TRUE	0e+00	2.0e-07	
cg03866607	TRUE	0e+00	2.0e-07	TBX4
cg10881306	TRUE	0e+00	2.0e-07	CRIM1
cg18943969	TRUE	0e+00	2.0e-07	IGSF3;IGSF3
cg19918758	TRUE	0e+00	2.0e-07	VAV3
cg23413349	TRUE	0e+00	2.0e-07	AIM1
cg14096207	TRUE	0e+00	2.0e-07	SUSD4
cg21696987	TRUE	0e+00	2.0e-07	COL11A2;COL11A2;COL11A2
cg26824516	TRUE	0e+00	2.0e-07	ALDH1A3
cg13016524	TRUE	0e+00	2.0e-07	
cg24176731	TRUE	0e+00	2.0e-07	PLEKHB1;PLEKHB1;PLEKHB1;PLEKHB1
cg04708264	TRUE	0e+00	2.0e-07	
cg18034343	TRUE	0e+00	2.0e-07	
cg25758134	TRUE	0e+00	2.0e-07	HIAT1
cg11299854	TRUE	0e+00	2.0e-07	CCNI2;CCNI2
cg13876222	TRUE	0e+00	2.0e-07	NOTCH1
cg01791648	TRUE	0e+00	2.0e-07	SENTP7;SENTP7
cg12147489	TRUE	0e+00	2.0e-07	HOXA11AS
cg08441839	TRUE	0e+00	2.0e-07	
cg11369753	FALSE	0e+00	2.0e-07	
cg02976090	TRUE	0e+00	2.0e-07	NIPAL3;NIPAL3
cg25886337	TRUE	0e+00	2.0e-07	SMYD5
cg07531356	TRUE	0e+00	2.0e-07	INSL6
cg16490015	TRUE	0e+00	2.0e-07	
cg02869459	TRUE	0e+00	2.0e-07	SPEG
cg22481253	TRUE	0e+00	2.0e-07	HMGA1;HMGA1;HMGA1;HMGA1;HMGA1;HMGA1;HMGA1
cg01913958	TRUE	0e+00	2.0e-07	IPO4
cg23985797	TRUE	0e+00	2.0e-07	TPO;TPO;TPO;TPO
cg00271177	TRUE	0e+00	2.0e-07	
cg09038926	TRUE	0e+00	2.0e-07	
cg18022883	TRUE	0e+00	2.0e-07	
cg06900386	TRUE	0e+00	2.0e-07	
cg21681643	TRUE	0e+00	2.0e-07	LOC440839
cg21091247	TRUE	0e+00	2.0e-07	ZFP36L1
cg16993579	TRUE	0e+00	2.0e-07	UBE2T;UBE2T
cg16778211	TRUE	0e+00	2.0e-07	SYNE2;SYNE2
cg14098795	TRUE	0e+00	2.0e-07	

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg18292434	TRUE	0e+00	2.0e-07	ZIC4;ZIC4;ZIC4
cg25662041	TRUE	0e+00	2.0e-07	LMAN2
cg25693769	TRUE	0e+00	2.0e-07	SUSD5
cg07004925	TRUE	0e+00	2.0e-07	
cg22976313	TRUE	0e+00	2.0e-07	TMEM179
cg00249503	TRUE	0e+00	2.0e-07	DNAH17
cg27094856	TRUE	0e+00	2.0e-07	AXL;AXL
cg02546487	TRUE	0e+00	2.0e-07	MAD1L1;MAD1L1;MAD1L1
cg27101153	TRUE	0e+00	2.0e-07	
cg17488985	TRUE	0e+00	2.0e-07	NT5E;NT5E
cg13186597	TRUE	0e+00	2.0e-07	NRP1;NRP1;NRP1
cg04907738	TRUE	0e+00	2.0e-07	
cg26884276	TRUE	0e+00	2.0e-07	C5orf32;C5orf32
cg19640779	TRUE	0e+00	2.0e-07	
cg20898522	TRUE	0e+00	2.0e-07	TAP2;TAP2
cg05534710	TRUE	0e+00	2.0e-07	IRX1
cg21284015	TRUE	0e+00	2.0e-07	BAHCC1
cg13320842	TRUE	0e+00	2.0e-07	GIPR
cg15768568	TRUE	0e+00	2.0e-07	TIMM10
cg00039057	TRUE	0e+00	2.0e-07	UCRC;UCRC;ZMAT5;ZMAT5
cg12798118	TRUE	0e+00	2.0e-07	PMP22;PMP22
cg26574265	FALSE	0e+00	2.0e-07	ZIC5
cg23819016	TRUE	0e+00	2.0e-07	
cg04775304	TRUE	0e+00	2.0e-07	BCAR1;BCAR1;BCAR1;BCAR1;BCAR1;BCAR1;BCAR1;BCAR1;BCAR1;BCAR1
cg24365464	TRUE	0e+00	2.0e-07	FAM5C
cg06496885	TRUE	0e+00	2.0e-07	
cg17153382	TRUE	0e+00	2.0e-07	NSMAF;NSMAF
cg06930513	TRUE	0e+00	2.0e-07	ZMYM2;ZMYM2
cg16031270	TRUE	0e+00	2.0e-07	
cg06950309	TRUE	0e+00	2.0e-07	KCNN3
cg03381669	TRUE	0e+00	2.0e-07	ELMOD3;ELMOD3;ELMOD3;RETSAT;ELMOD3
cg01297806	TRUE	0e+00	2.0e-07	SH3BP4
cg09677763	FALSE	0e+00	2.0e-07	NUP98;PGAP2;NUP98;PGAP2;PGAP2;NUP98;PGAP2;NUP98;PGAP2;NUP98;PGAP2
cg00283283	TRUE	0e+00	2.0e-07	PCDHGB5;PCDHGC3;PCDHGA6;PCDHGB4;PCDHGA8;PCDHGA12;PCDHGA13
cg21581845	TRUE	0e+00	2.0e-07	KIAA1026;KIAA1026
cg14721531	TRUE	0e+00	2.0e-07	CDK19
cg22711679	TRUE	0e+00	2.0e-07	RPA2
cg24405537	TRUE	0e+00	2.0e-07	HIST4H4
cg17985646	TRUE	0e+00	2.0e-07	TBX20;TBX20
cg26439238	TRUE	0e+00	2.0e-07	NUFIP1;KIAA1704
cg18342832	TRUE	0e+00	2.0e-07	PILRB;PMS2L1;PILRB;PILRB;PILRB
cg15970156	TRUE	0e+00	2.0e-07	ZNF280B;ZNF280B
cg26478485	TRUE	0e+00	2.0e-07	DUSP5;DUSP5
cg03258272	TRUE	0e+00	2.0e-07	KLRC3;KLRC3
cg01765930	TRUE	0e+00	2.0e-07	MFNG;MFNG;MFNG
cg23665065	TRUE	0e+00	2.0e-07	
cg22974210	TRUE	0e+00	2.0e-07	
cg09785586	TRUE	0e+00	2.0e-07	
cg20448966	TRUE	0e+00	2.0e-07	ARL16;HGS
cg14538332	TRUE	0e+00	2.0e-07	SDC2;SDC2
cg14522427	FALSE	0e+00	2.0e-07	CDH23;C10orf54
cg02875788	TRUE	0e+00	2.0e-07	

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg06995880	FALSE	0e+00	2.0e-07	
cg05785488	TRUE	0e+00	2.0e-07	UBFD1;EARS2;EARS2
cg20952286	TRUE	0e+00	2.0e-07	CCDC37
cg02458292	FALSE	0e+00	2.0e-07	KIAA0913
cg17760318	TRUE	0e+00	2.0e-07	PCDHGA2;PCDHGA1;PCDHGA2
cg15016511	TRUE	0e+00	2.0e-07	
cg10100266	TRUE	0e+00	2.0e-07	SNX25
cg00346392	TRUE	0e+00	2.0e-07	JPH3
cg05977147	FALSE	0e+00	2.0e-07	SLC35A1;SLC35A1
cg25245266	TRUE	0e+00	2.0e-07	C22orf23;POLR2F;C22orf23
cg21548021	TRUE	0e+00	2.0e-07	
cg04531794	FALSE	0e+00	2.0e-07	GOLGA7B
cg03034540	TRUE	0e+00	2.0e-07	ZDHHC1
cg09927651	TRUE	0e+00	2.0e-07	ABR
cg05808709	TRUE	0e+00	2.0e-07	ATP1A2
cg19700955	FALSE	0e+00	2.0e-07	
cg13879483	TRUE	0e+00	2.0e-07	USP44;USP44
cg05888252	TRUE	0e+00	2.0e-07	
cg23687103	TRUE	0e+00	2.0e-07	MIIP
cg08650320	FALSE	0e+00	2.0e-07	C6orf64
cg03032053	TRUE	0e+00	2.0e-07	MICALL2
cg25134231	TRUE	0e+00	2.0e-07	CLASP1;CLASP1;CLASP1;RNU4ATAC
cg04501840	TRUE	0e+00	2.0e-07	C1orf95
cg18526861	TRUE	0e+00	2.0e-07	MRPS7;MRPS7;GGA3;GGA3
cg10849289	TRUE	0e+00	2.0e-07	KRTAP12-2;C21orf29
cg03211473	TRUE	0e+00	2.0e-07	AGPAT1;AGPAT1;AGPAT1
cg05379454	TRUE	0e+00	2.0e-07	PSMB10;PSMB10
cg10935723	TRUE	0e+00	2.0e-07	KCNK10
cg02399570	TRUE	0e+00	2.0e-07	CCNL1
cg26192612	TRUE	0e+00	2.0e-07	C6orf155
cg09958559	TRUE	0e+00	2.0e-07	CBFB;CBFB
cg00950846	TRUE	0e+00	2.0e-07	CDH8
cg17495466	TRUE	0e+00	2.0e-07	LOC400794;LRRC52
cg14421218	TRUE	0e+00	2.0e-07	CCT7;CCT7;CCT7;C2orf7;CCT7;CCT7;CCT7
cg23201841	TRUE	0e+00	2.0e-07	ELK4;ELK4
cg00076307	TRUE	0e+00	2.0e-07	SLC27A6;SLC27A6
cg21515785	TRUE	0e+00	2.0e-07	FAM174A
cg27196496	TRUE	0e+00	2.0e-07	FBN3
cg05794227	TRUE	0e+00	2.0e-07	OGFOD1;NUDT21
cg25371634	TRUE	0e+00	2.0e-07	HOXD10
cg00710366	FALSE	0e+00	2.0e-07	SPTBN1
cg11820270	TRUE	0e+00	2.0e-07	KTN1;KTN1;KTN1;KTN1
cg07440387	TRUE	0e+00	2.0e-07	SFRS6
cg22079616	FALSE	0e+00	2.0e-07	IFT88;IFT88
cg04315264	TRUE	0e+00	2.0e-07	RPL10A
cg11321190	TRUE	0e+00	2.0e-07	
cg18159860	TRUE	0e+00	2.0e-07	
cg22091236	TRUE	0e+00	2.0e-07	RPTOR;RPTOR
cg05351257	TRUE	0e+00	2.0e-07	CCKBR
cg17305500	TRUE	0e+00	2.0e-07	SAPS1
cg17778165	TRUE	0e+00	2.0e-07	MKKS
cg18043391	TRUE	0e+00	2.0e-07	



CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg23087306	TRUE	0e+00	2.0e-07	EMX2OS
cg26353328	TRUE	0e+00	2.0e-07	AP3M2;AP3M2
cg26190086	TRUE	0e+00	2.0e-07	LARS
cg21664310	FALSE	0e+00	2.0e-07	LSM4
cg08536617	TRUE	0e+00	2.0e-07	
cg00237631	TRUE	0e+00	2.0e-07	
cg02424238	TRUE	0e+00	2.0e-07	PEX12
cg13271963	FALSE	0e+00	2.0e-07	ANKRD2;ANKRD2
cg09748770	TRUE	0e+00	2.0e-07	SP4
cg19938857	TRUE	0e+00	2.0e-07	EFNB2
cg19404757	TRUE	0e+00	2.0e-07	B2M
cg21665747	TRUE	0e+00	2.0e-07	
cg00094518	TRUE	0e+00	2.0e-07	KLF14
cg09719269	TRUE	0e+00	2.0e-07	
cg08968184	TRUE	0e+00	2.0e-07	ZDHHC1
cg14200470	TRUE	0e+00	2.0e-07	
cg03749016	TRUE	0e+00	2.0e-07	NKX2-6
cg00499475	TRUE	0e+00	2.0e-07	TBX3;TBX3
cg07170222	TRUE	0e+00	2.0e-07	NEK2
cg12784386	TRUE	0e+00	2.0e-07	BAIAP2;BAIAP2;BAIAP2;BAIAP2
cg09179485	TRUE	0e+00	2.0e-07	C13orf23;C13orf23;NHLRC3;NHLRC3
cg13677022	TRUE	0e+00	2.0e-07	ARID3C
cg05626536	TRUE	0e+00	2.0e-07	MAPK15
cg20690062	TRUE	0e+00	2.0e-07	
cg18307783	TRUE	0e+00	2.0e-07	
cg19752449	TRUE	0e+00	2.0e-07	UBE3B;KCTD10;UBE3B
cg14385362	TRUE	0e+00	2.0e-07	NEK6;NEK6;NEK6;NEK6;NEK6;NEK6;NEK6
cg23962478	TRUE	0e+00	2.0e-07	PIM3
cg12451099	TRUE	0e+00	2.0e-07	SLC32A1
cg03503785	TRUE	0e+00	2.0e-07	PRKCB;PRKCB
cg08584061	TRUE	0e+00	2.0e-07	
cg07062043	TRUE	0e+00	2.0e-07	PHYHIPL;PHYHIPL
cg12227172	TRUE	0e+00	2.0e-07	ZNF577;ZNF577;ZNF577
cg19066141	TRUE	0e+00	2.0e-07	COL2A1;COL2A1
cg02410959	TRUE	0e+00	2.0e-07	TCOF1;TCOF1;TCOF1;TCOF1;TCOF1;TCOF1
cg18548879	TRUE	0e+00	2.0e-07	
cg16641358	TRUE	0e+00	2.0e-07	FBXL7
cg05982504	TRUE	0e+00	2.0e-07	IGFALS;IGFALS;IGFALS
cg05745317	TRUE	0e+00	2.0e-07	ZNF184
cg07666293	TRUE	0e+00	2.0e-07	FAM172A;FAM172A;FAM172A;FAM172A
cg21627760	TRUE	0e+00	2.0e-07	ZNF304
cg23515325	TRUE	0e+00	2.0e-07	
cg00284005	TRUE	0e+00	2.0e-07	PIGN;KIAA1468;PIGN
cg19010490	TRUE	0e+00	2.0e-07	MEIS2;MEIS2;MEIS2;MEIS2;MEIS2;MEIS2;MEIS2
cg09977969	TRUE	0e+00	2.0e-07	
cg24192482	TRUE	0e+00	2.0e-07	ZNF530
cg10606730	TRUE	0e+00	2.0e-07	WNT4
cg04333463	TRUE	0e+00	2.0e-07	ASPH;ASPH;ASPH;ASPH;ASPH
cg04078251	TRUE	0e+00	2.0e-07	KIF22
cg07985720	TRUE	0e+00	2.0e-07	MAGI2
cg11372696	TRUE	0e+00	2.0e-07	POLR2G
cg05302489	TRUE	0e+00	2.0e-07	VAR5

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg03238216	TRUE	0e+00	2.0e-07	
cg25150408	TRUE	0e+00	2.0e-07	ADAM22;ADAM22;ADAM22;ADAM22;ADAM22
cg09009788	TRUE	0e+00	2.0e-07	MYCBP2
cg20939662	TRUE	0e+00	2.0e-07	LHX2
cg25502179	FALSE	0e+00	2.0e-07	PRSS42
cg10473059	TRUE	0e+00	2.0e-07	
cg18107425	TRUE	0e+00	2.0e-07	MESP2
cg02514021	TRUE	0e+00	2.0e-07	FLJ43663;FLJ43663
cg25295740	TRUE	0e+00	2.0e-07	
cg12585429	TRUE	0e+00	2.0e-07	
cg20424833	TRUE	0e+00	2.0e-07	F12
cg11765560	TRUE	0e+00	2.0e-07	ZNF324
cg11801842	FALSE	0e+00	2.0e-07	
cg07445691	TRUE	0e+00	2.0e-07	MRPS18A
cg18136311	TRUE	0e+00	2.0e-07	DCAF8;DCAF8;DCAF8;DCAF8;DCAF8
cg21584862	TRUE	0e+00	2.0e-07	
cg14032856	TRUE	0e+00	2.0e-07	PLA2R1;PLA2R1
cg02737801	TRUE	0e+00	2.0e-07	WDR65;WDR65;EBNA1BP2;EBNA1BP2;WDR65;WDR65;WDR65;WD
cg00374078	TRUE	0e+00	2.0e-07	
cg12068908	FALSE	0e+00	2.0e-07	SPON1
cg05012972	TRUE	0e+00	2.0e-07	PTPRN2;PTPRN2;PTPRN2
cg12495954	TRUE	0e+00	2.0e-07	FTO;RPGRIP1L;RPGRIP1L
cg10830518	TRUE	0e+00	2.0e-07	REV3L
cg03780338	TRUE	0e+00	2.0e-07	
cg26162836	TRUE	0e+00	2.0e-07	DCAF8;DCAF8;DCAF8;DCAF8;DCAF8
cg17309464	TRUE	0e+00	2.0e-07	ZNF565;ZNF146;ZNF146;ZNF565;ZNF146
cg18340445	FALSE	0e+00	2.0e-07	
cg18105361	TRUE	0e+00	2.0e-07	
cg04261408	TRUE	0e+00	2.0e-07	SDC2
cg02301378	TRUE	0e+00	2.0e-07	SNW1;C14orf178
cg25043378	TRUE	0e+00	2.0e-07	ANK1;ANK1;ANK1;ANK1;ANK1;ANK1;ANK1;ANK1
cg24062909	TRUE	0e+00	2.0e-07	KRTAP10-7;C21orf29
cg00822840	TRUE	0e+00	2.0e-07	DLX1;DLX1
cg05356848	TRUE	0e+00	2.0e-07	SLC37A3;SLC37A3
cg04915300	TRUE	0e+00	2.0e-07	GPD2;GPD2
cg02256969	FALSE	0e+00	2.0e-07	PRSS22
cg19622574	TRUE	0e+00	2.0e-07	ATG16L1;ATG16L1
cg06999799	FALSE	0e+00	2.0e-07	
cg07311419	TRUE	0e+00	2.0e-07	
cg04312209	TRUE	0e+00	2.0e-07	IL7R
cg09936142	FALSE	0e+00	2.0e-07	KRI1
cg13306335	TRUE	0e+00	2.0e-07	PEX10;PEX10
cg19972859	TRUE	0e+00	2.0e-07	PURA
cg20321331	TRUE	0e+00	2.0e-07	CYP2R1
cg25117142	TRUE	0e+00	2.0e-07	RASA3
cg18238734	TRUE	0e+00	2.0e-07	ITPR2;ITPR2
cg15662768	TRUE	0e+00	2.0e-07	HRH3
cg20901167	TRUE	0e+00	2.0e-07	
cg09735146	TRUE	0e+00	2.0e-07	
cg21340733	TRUE	0e+00	2.0e-07	KRT8
cg03949391	TRUE	0e+00	2.0e-07	PTGFR;PTGFR;PTGFR;PTGFR
cg03874199	TRUE	0e+00	2.0e-07	HOXD12

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg09958192	TRUE	0e+00	2.0e-07	PSKH1
cg18169971	TRUE	0e+00	2.0e-07	H2AFY;H2AFY;H2AFY;H2AFY
cg12448298	TRUE	0e+00	2.0e-07	DPP10
cg25227274	FALSE	0e+00	2.0e-07	ZNF426
cg04439218	TRUE	0e+00	2.0e-07	GDNF
cg10799791	TRUE	0e+00	2.0e-07	TBPL2
cg13485420	TRUE	0e+00	2.0e-07	
cg20863756	TRUE	0e+00	2.0e-07	C12orf53;C12orf53
cg25361907	TRUE	0e+00	2.0e-07	ZNF793
cg14103113	TRUE	0e+00	2.0e-07	LENG1
cg04035828	TRUE	0e+00	2.0e-07	SNX29
cg00716752	TRUE	0e+00	2.0e-07	BAT2
cg09805055	TRUE	0e+00	2.0e-07	FZD5;FZD5
cg08326370	TRUE	0e+00	2.0e-07	
cg02197392	TRUE	0e+00	2.0e-07	CALR
cg25724246	TRUE	0e+00	2.0e-07	SNAR-I
cg11684611	TRUE	0e+00	2.0e-07	TYMS;C18orf56
cg15136410	TRUE	0e+00	2.0e-07	STARD7
cg16646892	TRUE	0e+00	2.0e-07	SF3B5
cg01349901	TRUE	0e+00	2.0e-07	C9orf169
cg25658980	TRUE	0e+00	2.0e-07	ALDH16A1;ALDH16A1;PIH1D1;PIH1D1
cg16132139	TRUE	0e+00	2.0e-07	CASP7;CASP7;CASP7;CASP7
cg21078330	TRUE	0e+00	2.0e-07	NCKAP5;NCKAP5
cg26659805	TRUE	0e+00	2.0e-07	AMH
cg21832731	TRUE	0e+00	2.0e-07	C22orf32
cg26380116	TRUE	0e+00	2.0e-07	TMEM132B
cg01778908	FALSE	0e+00	2.0e-07	VAC14
cg00960379	TRUE	0e+00	2.0e-07	NEIL1;MIR631
cg26741530	TRUE	0e+00	2.0e-07	C10orf32;C10orf32
cg23323203	TRUE	0e+00	2.0e-07	
cg02210887	TRUE	0e+00	2.0e-07	GUCY1A3;GUCY1A3;GUCY1A3;GUCY1A3;GUCY1A3;GUCY1A3
cg11012543	TRUE	0e+00	2.0e-07	ALAS1;ALAS1
cg10227077	TRUE	0e+00	2.0e-07	
cg05783915	TRUE	0e+00	2.0e-07	EMX2;EMX2;EMX2OS;EMX2;EMX2
cg24759070	TRUE	0e+00	2.0e-07	C12orf26;CCDC59;CCDC59
cg01135754	TRUE	0e+00	2.0e-07	IRX3
cg18297437	TRUE	0e+00	2.0e-07	ZIC1
cg05650568	FALSE	0e+00	2.0e-07	SNX21;SNX21;SNX21;SNX21
cg12243453	TRUE	0e+00	2.0e-07	HTR3B
cg13799581	TRUE	0e+00	2.0e-07	NAA38
cg23091122	TRUE	0e+00	2.0e-07	SYPL2
cg15930041	TRUE	0e+00	2.0e-07	CASP14
cg19299094	TRUE	0e+00	2.0e-07	SLC34A2
cg07823913	TRUE	0e+00	2.0e-07	
cg19400163	TRUE	0e+00	2.0e-07	TLE2;TLE2;TLE2
cg23370548	TRUE	0e+00	2.0e-07	
cg06845268	TRUE	0e+00	2.0e-07	GFPT1
cg07644321	TRUE	0e+00	2.0e-07	ADD1;ADD1;ADD1;ADD1
cg17264618	TRUE	0e+00	2.0e-07	ENTPD3
cg03437675	TRUE	0e+00	2.0e-07	TRPV4;TRPV4
cg17605021	TRUE	0e+00	2.0e-07	
cg16942327	TRUE	0e+00	2.0e-07	

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg27056599	TRUE	0e+00	2.0e-07	KCNJ12
cg26086136	TRUE	0e+00	2.0e-07	RTN4;RTN4;RTN4;RTN4
cg06851817	TRUE	0e+00	2.0e-07	
cg14439622	TRUE	0e+00	2.0e-07	GATA6
cg26796563	TRUE	0e+00	2.0e-07	PRMT7;SLC7A6OS;SLC7A6OS
cg04113258	TRUE	0e+00	2.0e-07	XYLT1
cg21746120	TRUE	0e+00	2.0e-07	LRP5
cg05710753	TRUE	0e+00	2.0e-07	AGTR1;AGTR1;AGTR1;AGTR1
cg06086148	TRUE	0e+00	2.0e-07	
cg17744293	TRUE	0e+00	2.0e-07	
cg10834480	TRUE	0e+00	2.0e-07	TRAF3IP2;TRAF3IP2;TRAF3IP2
cg16594296	TRUE	0e+00	2.0e-07	NMT1;DCAKD
cg14528930	TRUE	0e+00	2.0e-07	RC3H2;RC3H2;RC3H2;RC3H2
cg06663305	TRUE	0e+00	2.0e-07	
cg23110482	TRUE	0e+00	2.0e-07	HLA-G
cg06178054	TRUE	0e+00	2.0e-07	SUGT1L1
cg19805223	TRUE	0e+00	2.0e-07	
cg14230542	TRUE	0e+00	2.0e-07	FAM40A
cg00106501	TRUE	0e+00	2.0e-07	VPS18;VPS18
cg09681335	FALSE	0e+00	2.0e-07	
cg15440158	TRUE	0e+00	2.0e-07	CNTNAP2
cg27573935	TRUE	0e+00	2.0e-07	C3orf54
cg14869505	TRUE	0e+00	2.0e-07	ATP5B;SNORD59B
cg16110711	TRUE	0e+00	2.0e-07	APC
cg23295623	TRUE	0e+00	2.0e-07	OR51A7
cg24124620	TRUE	0e+00	2.0e-07	FLJ43860
cg03402876	TRUE	0e+00	2.0e-07	KCNF1
cg22775896	TRUE	0e+00	2.0e-07	GM2A;GM2A
cg16706629	TRUE	0e+00	2.0e-07	ANKRD32;C5orf36;C5orf36
cg08698943	TRUE	0e+00	2.0e-07	
cg10746447	TRUE	0e+00	2.0e-07	MAML2
cg11826008	TRUE	0e+00	2.0e-07	CPNE1;CPNE1;CPNE1;CPNE1;CPNE1;RBM12;CPNE1;CPNE1;RBM12
cg18053715	TRUE	0e+00	2.0e-07	FARP1
cg02491696	TRUE	0e+00	2.0e-07	KDM5A;KDM5A;KDM5A;CCDC77;CCDC77;KDM5A
cg15078061	TRUE	0e+00	2.0e-07	PRRT1
cg02195676	TRUE	0e+00	2.0e-07	C22orf40
cg15269516	TRUE	0e+00	2.0e-07	PKNX2
cg02919122	TRUE	0e+00	2.0e-07	
cg20034190	TRUE	0e+00	2.0e-07	
cg18687314	TRUE	0e+00	2.0e-07	
cg26929547	TRUE	0e+00	2.0e-07	DAB1
cg14928991	TRUE	0e+00	2.0e-07	TRMT5;SLC38A6
cg19873785	TRUE	0e+00	2.0e-07	ZNHIT1;PLOC3;ZNHIT1
cg04856096	TRUE	0e+00	2.0e-07	ARFGEF1
cg18609783	TRUE	0e+00	2.0e-07	SP9
cg18137931	TRUE	0e+00	2.0e-07	
cg12405265	TRUE	0e+00	2.0e-07	GRHL3;GRHL3;GRHL3
cg24259244	TRUE	0e+00	2.0e-07	ZIC5
cg00586094	TRUE	0e+00	2.0e-07	LSM2
cg17755880	TRUE	0e+00	2.0e-07	CHCHD2
cg12216518	TRUE	0e+00	2.0e-07	SMAD6;SMAD6;SMAD6
cg11357670	TRUE	0e+00	2.0e-07	DCUN1D2;TMCO3

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg22620090	TRUE	0e+00	2.0e-07	
cg25949958	TRUE	0e+00	2.0e-07	PAX6;PAX6;PAX6
cg04781075	TRUE	0e+00	2.0e-07	RILPL2
cg08474340	TRUE	0e+00	2.0e-07	
cg23483707	TRUE	0e+00	2.0e-07	C13orf31;C13orf31;CCDC122;C13orf31
cg02468250	TRUE	0e+00	2.0e-07	PAX6;PAX6;PAX6
cg12585759	TRUE	0e+00	2.0e-07	ADC
cg11561191	TRUE	0e+00	2.0e-07	DOM3Z;STK19;STK19;DOM3Z;STK19;STK19;STK19
cg27588384	TRUE	0e+00	2.0e-07	LIMD1
cg25352980	TRUE	0e+00	2.0e-07	TP73;TP73;TP73;TP73
cg01588592	TRUE	0e+00	2.0e-07	ETV3L;ETV3L
cg07308232	TRUE	0e+00	2.0e-07	C7orf50;C7orf50;C7orf50
cg22039287	TRUE	0e+00	2.0e-07	RIT2
cg09826759	FALSE	0e+00	2.0e-07	
cg26928336	TRUE	0e+00	2.0e-07	TMEM219;TMEM219
cg08643994	TRUE	0e+00	2.0e-07	
cg19953452	TRUE	0e+00	2.0e-07	
cg18027654	TRUE	0e+00	2.0e-07	
cg01640456	TRUE	0e+00	2.0e-07	MAML3
cg13834623	TRUE	0e+00	2.0e-07	SCGN
cg04539476	TRUE	0e+00	2.0e-07	REM2
cg04051152	TRUE	0e+00	2.0e-07	LRP6
cg03719625	TRUE	0e+00	2.0e-07	YIF1B;YIF1B;YIF1B;YIF1B;YIF1B;YIF1B;YIF1B;YIF1B
cg21681377	TRUE	0e+00	2.0e-07	DNAJC11
cg06581409	TRUE	0e+00	2.0e-07	
cg16697775	TRUE	0e+00	2.0e-07	POLH;XPO5
cg13246497	TRUE	0e+00	2.0e-07	
cg16638920	TRUE	0e+00	2.0e-07	LOC645323;LOC645323
cg27572072	TRUE	0e+00	2.0e-07	ADAP1
cg05708544	FALSE	0e+00	2.0e-07	ZDHHC8P
cg03415916	TRUE	0e+00	2.0e-07	PCDHGA4;PCDHGA9;PCDHGA1;PCDHGB1;PCDHGB6;PCDHGB6;P
cg27639030	TRUE	0e+00	2.0e-07	PCDHGA4;PCDHGA12;PCDHGA11;PCDHGA11;PCDHGA9;PCDHGA
cg05119514	TRUE	0e+00	2.0e-07	ZNF256
cg03750525	TRUE	0e+00	2.0e-07	DYSFIP1
cg18249173	TRUE	0e+00	2.0e-07	TBX20;TBX20;TBX20;TBX20
cg25463478	FALSE	0e+00	2.0e-07	FAM118A;FAM118A
cg02532999	FALSE	0e+00	2.0e-07	DSCR3
cg03359731	TRUE	0e+00	2.0e-07	OCIAD1;OCIAD1;OCIAD1;OCIAD1;OCIAD1;OCIAD1;OCIAD1
cg09227138	TRUE	0e+00	2.0e-07	SNAP91;SNAP91
cg15472251	TRUE	0e+00	2.0e-07	MAPKAPK5;C12orf47;MAPKAPK5
cg06806711	TRUE	0e+00	2.0e-07	MS4A1;MS4A1;MS4A1;MS4A1
cg07927379	TRUE	0e+00	2.0e-07	C7orf13;RNF32
cg21609584	TRUE	0e+00	2.0e-07	NPAS2
cg01880321	FALSE	0e+00	2.0e-07	GREB1
cg14640621	TRUE	0e+00	2.0e-07	HMX2
cg17445157	TRUE	0e+00	2.0e-07	TIMD4;LOC100286948;TIMD4
cg19262315	TRUE	0e+00	2.0e-07	
cg05948305	TRUE	0e+00	2.0e-07	ZKSCAN5;ZKSCAN5
cg05712126	FALSE	0e+00	2.0e-07	EMID1
cg13384396	TRUE	0e+00	2.0e-07	ADCY5
cg17852932	TRUE	0e+00	2.0e-07	PDLIM4;PDLIM4
cg02502307	TRUE	0e+00	2.0e-07	NKD2

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg02529547	TRUE	0e+00	2.0e-07	
cg27589809	TRUE	0e+00	2.0e-07	CISH;CISH
cg20639890	TRUE	0e+00	2.0e-07	UBE3A
cg00424690	TRUE	0e+00	2.0e-07	C6orf154
cg20830848	TRUE	0e+00	2.0e-07	C7orf49;C7orf49;C7orf49
cg22078451	TRUE	0e+00	2.0e-07	PDE4D;PDE4D;PDE4D
cg11552078	TRUE	0e+00	2.0e-07	TIMM50
cg03441171	FALSE	0e+00	2.0e-07	
cg13219590	TRUE	0e+00	2.0e-07	
cg07875786	TRUE	0e+00	2.0e-07	NR2F1
cg02446869	TRUE	0e+00	2.0e-07	
cg16269364	TRUE	0e+00	2.0e-07	ZNF706;ZNF706;ZNF706
cg25235159	TRUE	0e+00	2.0e-07	KBTBD4;KBTBD4;NDUFS3;KBTBD4
cg15910013	TRUE	0e+00	2.0e-07	MLLT10;MLLT10
cg04142323	TRUE	0e+00	2.0e-07	LOC645323
cg11014921	TRUE	0e+00	2.0e-07	TRANK1
cg14409166	TRUE	0e+00	2.0e-07	NGEF;NGEF
cg26091021	TRUE	0e+00	2.0e-07	
cg13689831	TRUE	0e+00	2.0e-07	CABC1
cg08008299	TRUE	0e+00	2.0e-07	VPS72
cg23987938	TRUE	0e+00	2.0e-07	
cg11717557	TRUE	0e+00	2.0e-07	DCLRE1B;DCLRE1B;AP4B1
cg09871079	TRUE	0e+00	2.0e-07	HPCA
cg10025443	TRUE	0e+00	2.0e-07	SYK;SYK;SYK
cg20711828	TRUE	0e+00	2.0e-07	LAMA2;LAMA2
cg06372850	TRUE	0e+00	2.0e-07	
cg12355813	TRUE	0e+00	2.0e-07	NRCAM;NRCAM;NRCAM
cg23616383	TRUE	0e+00	2.0e-07	MPDU1;MPDU1;MPDU1
cg22086535	TRUE	0e+00	2.0e-07	TCERG1;TCERG1
cg02895699	TRUE	0e+00	2.0e-07	AFAP1;AFAP1
cg02728002	TRUE	0e+00	2.0e-07	GOLGA4
cg15845071	TRUE	0e+00	2.0e-07	C11orf40
cg11798909	TRUE	0e+00	2.0e-07	MMP23A;MMP23B
cg23882234	FALSE	0e+00	2.0e-07	POU6F1
cg27596495	TRUE	0e+00	2.0e-07	HCRTR2;HCRTR2
cg20419110	TRUE	0e+00	2.0e-07	C6orf154
cg08703520	TRUE	0e+00	2.0e-07	ZNF324
cg08076555	TRUE	0e+00	2.0e-07	SEC14L2;SEC14L2
cg15792252	FALSE	0e+00	2.0e-07	DZIP1;DZIP1
cg14305278	TRUE	0e+00	2.0e-07	
cg06000951	TRUE	0e+00	2.0e-07	MOCS1;MOCS1;MOCS1
cg16427488	TRUE	0e+00	2.0e-07	C8orf59;C8orf59;C8orf59;C8orf59
cg12222460	TRUE	0e+00	2.0e-07	
cg05434655	TRUE	0e+00	2.0e-07	HNRNPA3
cg24452591	TRUE	0e+00	2.0e-07	
cg18952945	TRUE	0e+00	2.0e-07	C7orf58;C7orf58
cg12659952	TRUE	0e+00	2.0e-07	TFAP2A;TFAP2A;TFAP2A
cg12883523	TRUE	0e+00	2.0e-07	SOX17
cg00330929	FALSE	0e+00	2.0e-07	C19orf35
cg09190408	TRUE	0e+00	2.0e-07	PPP1CA;PPP1CA;TBC1D10C;PPP1CA
cg04122790	TRUE	0e+00	2.0e-07	URB2;TAF5L;TAF5L
cg06473363	TRUE	0e+00	2.0e-07	BAT4

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg15471953	TRUE	0e+00	2.0e-07	SULT4A1
cg00347620	TRUE	0e+00	2.0e-07	TBX3;TBX3
cg07980777	TRUE	0e+00	2.0e-07	N6AMT2
cg23393242	TRUE	0e+00	2.0e-07	
cg08572734	TRUE	0e+00	2.0e-07	
cg15203817	TRUE	0e+00	2.0e-07	ZNF566;ZNF566;ZNF566;ZNF566
cg14130595	TRUE	0e+00	2.0e-07	
cg14836018	TRUE	0e+00	2.0e-07	TMX1
cg23121301	TRUE	0e+00	2.0e-07	GLRX5;SNHG10;SCARNA13;SNHG10
cg07798774	TRUE	0e+00	2.0e-07	SCAND3
cg19011063	TRUE	0e+00	2.0e-07	
cg26811653	FALSE	0e+00	2.0e-07	MTFMT
cg22043381	TRUE	0e+00	2.0e-07	ZHX2
cg27013630	TRUE	0e+00	2.0e-07	RPAIN;NUP88;RPAIN;RPAIN;RPAIN;RPAIN;RPAIN;RPAIN;R
cg12862851	TRUE	0e+00	2.0e-07	
cg17130815	TRUE	0e+00	2.0e-07	LFNG;LFNG;LFNG;LFNG
cg24215443	TRUE	0e+00	2.0e-07	TCF21;TCF21
cg00212521	TRUE	0e+00	2.0e-07	FMN2
cg03353995	TRUE	0e+00	2.0e-07	LRRN4CL
cg16277741	TRUE	0e+00	2.0e-07	NPHP4
cg11731939	TRUE	0e+00	2.0e-07	CABC1
cg02728748	TRUE	0e+00	2.0e-07	MSL2;MSL2
cg12303160	TRUE	0e+00	2.0e-07	LNK1;LNK1
cg03454225	TRUE	0e+00	2.0e-07	C6orf124
cg26932779	TRUE	0e+00	2.0e-07	TBX2
cg26006910	FALSE	0e+00	2.0e-07	MTNR1A
cg04023150	TRUE	0e+00	2.0e-07	RNF220
cg25894551	TRUE	0e+00	2.0e-07	FXVD2
cg02227919	TRUE	0e+00	2.0e-07	LOC440925
cg26525008	TRUE	0e+00	2.0e-07	EFCAB5;SSH2
cg16705086	FALSE	0e+00	2.0e-07	INSL3
cg26292150	TRUE	0e+00	2.0e-07	ZDHHC19
cg17341765	TRUE	0e+00	2.0e-07	
cg05045329	TRUE	0e+00	2.0e-07	CNNM4
cg04118888	TRUE	0e+00	2.0e-07	EGLN3
cg03689092	TRUE	0e+00	2.0e-07	LIMS2;LIMS2
cg22890896	TRUE	0e+00	2.0e-07	
cg18473162	TRUE	0e+00	2.0e-07	ZNF787
cg02037425	TRUE	0e+00	2.0e-07	
cg04067806	TRUE	0e+00	2.0e-07	
cg16636468	TRUE	0e+00	2.0e-07	RPTOR;RPTOR
cg22518208	TRUE	0e+00	2.0e-07	FLRT2
cg07869232	TRUE	0e+00	2.0e-07	RASA3
cg17589284	TRUE	0e+00	2.0e-07	
cg03480346	TRUE	0e+00	2.0e-07	MFSD2B
cg03860890	TRUE	0e+00	2.0e-07	EGFR;EGFR;EGFR;EGFR
cg14874936	FALSE	0e+00	2.0e-07	EFNA5
cg00876462	TRUE	0e+00	2.0e-07	PFDN4
cg04884732	TRUE	0e+00	2.0e-07	MTERFD2;MTERFD2;MTERFD2;MTERFD2
cg05533552	TRUE	0e+00	2.0e-07	CAPRIN1;CAPRIN1
cg07915976	TRUE	0e+00	2.0e-07	HOXC4;HOXC5;HOXC6
cg05778278	TRUE	0e+00	2.0e-07	

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg09964705	TRUE	0e+00	2.0e-07	DDX49;COPE;COPE;COPE
cg26126181	FALSE	0e+00	2.0e-07	
cg27092694	TRUE	0e+00	2.0e-07	TUBB
cg06726374	TRUE	0e+00	2.0e-07	PTPRK;PTPRK
cg24740868	TRUE	0e+00	2.0e-07	C1orf87;C1orf87
cg18764107	TRUE	0e+00	2.0e-07	LBR;LBR;LBR
cg23074453	TRUE	0e+00	2.0e-07	FRMD5
cg18318409	TRUE	0e+00	2.0e-07	
cg15894431	TRUE	0e+00	2.0e-07	YAP1;YAP1
cg09305096	TRUE	0e+00	2.0e-07	GULP1
cg16223510	TRUE	0e+00	2.0e-07	BCLAF1;BCLAF1;BCLAF1
cg17859882	TRUE	0e+00	2.0e-07	GUSBL2
cg26837773	TRUE	0e+00	2.0e-07	
cg01430082	TRUE	0e+00	2.0e-07	PDIK1L;PDIK1L;PDIK1L;PDIK1L
cg05569987	TRUE	0e+00	2.0e-07	
cg14225485	TRUE	0e+00	2.0e-07	FAM84A
cg08621843	TRUE	0e+00	3.0e-07	PROC
cg23381116	TRUE	0e+00	3.0e-07	PSME2;RNF31
cg05642446	TRUE	0e+00	3.0e-07	HRK
cg15554505	TRUE	0e+00	3.0e-07	
cg05945290	TRUE	0e+00	3.0e-07	
cg25606773	TRUE	0e+00	3.0e-07	ENPP4
cg25267072	TRUE	0e+00	3.0e-07	
cg11640378	TRUE	0e+00	3.0e-07	EVX1;EVX1
cg05247112	FALSE	0e+00	3.0e-07	
cg13826452	TRUE	0e+00	3.0e-07	
cg17217017	TRUE	0e+00	3.0e-07	VIPR2
cg00327577	TRUE	0e+00	3.0e-07	PYCARD;PYCARD
cg13352750	TRUE	0e+00	3.0e-07	HOXA11AS;HOXA11
cg08685517	TRUE	0e+00	3.0e-07	GTF2F1
cg12810297	TRUE	0e+00	3.0e-07	
cg10960969	TRUE	0e+00	3.0e-07	TRPC6
cg15243474	TRUE	0e+00	3.0e-07	B3GAT1;B3GAT1
cg26872588	TRUE	0e+00	3.0e-07	C1orf198;C1orf198;C1orf198
cg21508023	TRUE	0e+00	3.0e-07	STK10
cg06699063	TRUE	0e+00	3.0e-07	C17orf70;C17orf70;C17orf70
cg04325312	TRUE	0e+00	3.0e-07	
cg19118751	TRUE	0e+00	3.0e-07	
cg22868282	TRUE	0e+00	3.0e-07	
cg09056495	TRUE	0e+00	3.0e-07	
cg16983541	TRUE	0e+00	3.0e-07	ALAS1;ALAS1
cg05789711	TRUE	0e+00	3.0e-07	ERN2
cg08892464	FALSE	0e+00	3.0e-07	SPEN
cg16351352	FALSE	0e+00	3.0e-07	FBXO34;FBXO34
cg12800150	FALSE	0e+00	3.0e-07	C6orf1;C6orf1;C6orf1
cg09349530	TRUE	0e+00	3.0e-07	TBX20;TBX20
cg00464738	TRUE	0e+00	3.0e-07	
cg19350360	TRUE	0e+00	3.0e-07	
cg19929624	TRUE	0e+00	3.0e-07	GNAL;CHMP1B;GNAL;GNAL
cg06533700	TRUE	0e+00	3.0e-07	
cg26509965	TRUE	0e+00	3.0e-07	
cg23000464	TRUE	0e+00	3.0e-07	POLRMT



CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg12683602	TRUE	0e+00	3.0e-07	SLC43A2
cg05135176	TRUE	0e+00	3.0e-07	PTPRN2;PTPRN2;PTPRN2
cg07594341	TRUE	0e+00	3.0e-07	CCDC149
cg01028140	TRUE	0e+00	3.0e-07	TPO;TPO;TPO;TPO
cg01014615	TRUE	0e+00	3.0e-07	HOXD3
cg12613383	TRUE	0e+00	3.0e-07	PLD5
cg22548000	TRUE	0e+00	3.0e-07	SLC30A6
cg22157239	TRUE	0e+00	3.0e-07	PAX7;PAX7;PAX7
cg10928294	TRUE	0e+00	3.0e-07	MEOX1;MEOX1;MEOX1
cg24066316	TRUE	0e+00	3.0e-07	PAX9
cg21805731	TRUE	0e+00	3.0e-07	
cg12810560	TRUE	0e+00	3.0e-07	HINT1;HINT1;HINT1
cg19889264	FALSE	0e+00	3.0e-07	CYP1A1
cg18024167	TRUE	0e+00	3.0e-07	HAPLN1;HAPLN1
cg25262396	TRUE	0e+00	3.0e-07	UBASH3B
cg07648709	TRUE	0e+00	3.0e-07	ARHGEF17
cg05321594	TRUE	0e+00	3.0e-07	
cg08479073	TRUE	0e+00	3.0e-07	IL20
cg20913106	FALSE	0e+00	3.0e-07	FGFR1;FGFR1;FGFR1;FGFR1;FGFR1;FGFR1;FGFR1
cg08881785	TRUE	0e+00	3.0e-07	
cg02596281	TRUE	0e+00	3.0e-07	IL1B
cg26422134	TRUE	0e+00	3.0e-07	MRPS24
cg19887700	TRUE	0e+00	3.0e-07	
cg21161070	TRUE	0e+00	3.0e-07	RACGAP1;RACGAP1;RACGAP1
cg12236129	TRUE	0e+00	3.0e-07	
cg20904013	TRUE	0e+00	3.0e-07	MRPL32;PSMA2
cg08835103	TRUE	0e+00	3.0e-07	DBX1
cg06470727	TRUE	0e+00	3.0e-07	OTOF
cg26588061	TRUE	0e+00	3.0e-07	UPF2;UPF2
cg00461612	TRUE	0e+00	3.0e-07	PAX3;PAX3;PAX3;PAX3;PAX3;PAX3
cg23637372	TRUE	0e+00	3.0e-07	CCNC;CCNC
cg26798850	TRUE	0e+00	3.0e-07	ZNF529;ZNF529;ZNF529
cg25473794	TRUE	0e+00	3.0e-07	USP35
cg10994126	TRUE	0e+00	3.0e-07	PAPPA2;PAPPA2;PAPPA2;PAPPA2
cg02855045	TRUE	0e+00	3.0e-07	
cg26168772	FALSE	0e+00	3.0e-07	PTGDR
cg03318121	TRUE	0e+00	3.0e-07	HACL1;BTD
cg14295611	TRUE	0e+00	3.0e-07	
cg18477949	TRUE	0e+00	3.0e-07	
cg18256790	TRUE	0e+00	3.0e-07	MYH10
cg18854144	TRUE	0e+00	3.0e-07	C6orf25;C6orf25;C6orf25;C6orf25;C6orf25;C6orf25
cg20567721	TRUE	0e+00	3.0e-07	CENPN;CENPN;CENPN;CENPN;CENPN;CENPN;C16orf61
cg12258824	TRUE	0e+00	3.0e-07	AP2S1;AP2S1
cg22412680	TRUE	0e+00	3.0e-07	
cg13099374	TRUE	0e+00	3.0e-07	POU2F1
cg13890999	TRUE	0e+00	3.0e-07	NDC80;METTL4;METTL4
cg20343063	TRUE	0e+00	3.0e-07	TNKS1BP1
cg08476224	TRUE	0e+00	3.0e-07	PVT1
cg05213609	TRUE	0e+00	3.0e-07	SALL1;SALL1
cg18158306	TRUE	0e+00	3.0e-07	FBRSL1
cg11397370	TRUE	0e+00	3.0e-07	GRHL2
cg20862599	TRUE	0e+00	3.0e-07	

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg15554284	TRUE	0e+00	3.0e-07	ZNF430
cg18959478	TRUE	0e+00	3.0e-07	PRKCDBP
cg02508567	TRUE	0e+00	3.0e-07	TCF7L1
cg04596201	TRUE	0e+00	3.0e-07	
cg04743933	TRUE	0e+00	3.0e-07	TMEM209
cg05192538	TRUE	0e+00	3.0e-07	
cg04069817	TRUE	0e+00	3.0e-07	
cg06995565	TRUE	0e+00	3.0e-07	TMEM231;TMEM231;TMEM231
cg20935165	TRUE	0e+00	3.0e-07	
cg01792532	TRUE	0e+00	3.0e-07	YARS;S100PBP;S100PBP
cg00489401	TRUE	0e+00	3.0e-07	FLT4;FLT4
cg21806917	TRUE	0e+00	3.0e-07	RBM14
cg13300580	TRUE	0e+00	3.0e-07	SLC9A1
cg04563946	TRUE	0e+00	3.0e-07	PLIN4
cg08353146	TRUE	0e+00	3.0e-07	TMCC2
cg24403497	TRUE	0e+00	3.0e-07	PRKAB2
cg05056653	TRUE	0e+00	3.0e-07	
cg05139152	TRUE	0e+00	3.0e-07	RASAL1
cg04442426	TRUE	0e+00	3.0e-07	GNDF;GNDF;GNDF
cg09357934	TRUE	0e+00	3.0e-07	DAPL1
cg13131185	TRUE	0e+00	3.0e-07	
cg11429632	TRUE	0e+00	3.0e-07	RAB14
cg20835353	TRUE	0e+00	3.0e-07	MCM7;MCM7;MCM7;AP4M1
cg07981822	TRUE	0e+00	3.0e-07	SELI;GPR113
cg11509907	TRUE	0e+00	3.0e-07	ARL4C
cg24670927	TRUE	0e+00	3.0e-07	PTPLAD1
cg20349687	TRUE	0e+00	3.0e-07	EIF2AK3
cg27301249	FALSE	0e+00	3.0e-07	NCOA5
cg06328831	TRUE	0e+00	3.0e-07	NLRP6
cg23174607	TRUE	0e+00	3.0e-07	PTP4A1
cg27014380	TRUE	0e+00	3.0e-07	
cg01017895	FALSE	0e+00	3.0e-07	RBCK1;RBCK1
cg05339414	TRUE	0e+00	3.0e-07	
cg17812027	TRUE	0e+00	3.0e-07	
cg02138082	TRUE	0e+00	3.0e-07	AGRN
cg20792744	TRUE	0e+00	3.0e-07	CTDSPL2
cg25841008	TRUE	0e+00	3.0e-07	TSPAN5
cg10095226	TRUE	0e+00	3.0e-07	LAD1
cg01995660	TRUE	0e+00	3.0e-07	FOXO1
cg12434258	TRUE	0e+00	3.0e-07	ZNF490;ZNF791;ZNF791
cg24692068	TRUE	0e+00	3.0e-07	MAPRE2;MAPRE2
cg12560987	TRUE	0e+00	3.0e-07	
cg06292898	FALSE	0e+00	3.0e-07	TCP11L1;TCP11L1
cg23211358	FALSE	0e+00	3.0e-07	C19orf62;C19orf62;C19orf62;C19orf62
cg06960698	TRUE	0e+00	3.0e-07	FGF14
cg16418329	TRUE	0e+00	3.0e-07	C4orf35;C4orf35
cg20408147	TRUE	0e+00	3.0e-07	
cg12646385	TRUE	0e+00	3.0e-07	
cg04730665	TRUE	0e+00	3.0e-07	AGAP1;AGAP1
cg27231912	FALSE	0e+00	3.0e-07	
cg16412772	TRUE	0e+00	3.0e-07	
cg00037856	TRUE	0e+00	3.0e-07	

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg25027367	TRUE	0e+00	3.0e-07	
cg14110685	TRUE	0e+00	3.0e-07	
cg16554447	TRUE	0e+00	3.0e-07	C6orf142
cg18608498	FALSE	0e+00	3.0e-07	ATAD1;CFLP1
cg17780956	TRUE	0e+00	3.0e-07	MAP9
cg20976575	TRUE	0e+00	3.0e-07	RBM12B;RBM12B
cg06049868	TRUE	0e+00	3.0e-07	
cg14302612	TRUE	0e+00	3.0e-07	MYO7B
cg16316141	TRUE	0e+00	3.0e-07	ENKUR;THNSL1
cg06725035	TRUE	0e+00	3.0e-07	PRMT2;PRMT2
cg09283043	TRUE	0e+00	3.0e-07	
cg03401519	TRUE	0e+00	3.0e-07	
cg10972821	TRUE	0e+00	3.0e-07	AKAP1
cg02247160	TRUE	0e+00	3.0e-07	CTNNB1;CTNNB1;CTNNB1
cg17973164	TRUE	0e+00	3.0e-07	BRUNOL4;BRUNOL4;BRUNOL4;BRUNOL4
cg17725851	TRUE	0e+00	3.0e-07	
cg18008451	TRUE	0e+00	3.0e-07	COL1A1
cg03875996	TRUE	0e+00	3.0e-07	RXFP1
cg21656600	TRUE	0e+00	3.0e-07	PPP1CC
cg25145670	TRUE	0e+00	3.0e-07	HOXB4
cg05072819	TRUE	0e+00	3.0e-07	KAT2B
cg02944123	TRUE	0e+00	3.0e-07	CNTN4
cg17178966	TRUE	0e+00	3.0e-07	LRP6
cg08929548	TRUE	0e+00	3.0e-07	NEUROG2
cg08310974	TRUE	0e+00	3.0e-07	SEC61G;SEC61G
cg09527126	TRUE	0e+00	3.0e-07	
cg02149376	TRUE	0e+00	3.0e-07	PRSS12
cg07178066	TRUE	0e+00	3.0e-07	ZCCHC14
cg07695475	TRUE	0e+00	3.0e-07	OR4F15
cg24673101	TRUE	0e+00	3.0e-07	CCDC85C
cg12423584	TRUE	0e+00	3.0e-07	SCIN
cg10317098	TRUE	0e+00	3.0e-07	PPP1R3B
cg20336571	TRUE	0e+00	3.0e-07	H2AFY2
cg17959962	TRUE	0e+00	3.0e-07	TMTC1
cg06242146	TRUE	0e+00	3.0e-07	KIAA0020
cg14637285	TRUE	0e+00	3.0e-07	
cg26156448	TRUE	0e+00	3.0e-07	NKX2-4
cg11148677	TRUE	0e+00	3.0e-07	KALRN;KALRN;KALRN
cg10831504	TRUE	0e+00	3.0e-07	RAP1B;RAP1B
cg12931157	FALSE	0e+00	3.0e-07	C6orf130;NFYA;NFYA
cg25084027	FALSE	0e+00	3.0e-07	ZDHHC20
cg08874609	TRUE	0e+00	3.0e-07	MEGF10
cg27127492	TRUE	0e+00	3.0e-07	C8orf38
cg10592766	TRUE	0e+00	3.0e-07	MYH14;MYH14;MYH14
cg25049374	FALSE	0e+00	3.0e-07	
cg08326511	TRUE	0e+00	3.0e-07	C2orf76;DBI;DBI;DBI;DBI
cg12923613	TRUE	0e+00	3.0e-07	SEC31A;SEC31A;SEC31A;SEC31A;SEC31A
cg25044817	TRUE	0e+00	3.0e-07	MFSD2B
cg10731256	TRUE	0e+00	3.0e-07	NIT2
cg13033972	TRUE	0e+00	3.0e-07	DIO2;DIO2
cg11560184	TRUE	0e+00	3.0e-07	LTA4H;LTA4H
cg19419993	TRUE	0e+00	3.0e-07	PITPNC1;PITPNC1;PITPNC1;PITPNC1

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg12950066	TRUE	0e+00	3.0e-07	MSLNL
cg11633770	TRUE	0e+00	3.0e-07	
cg27312388	TRUE	0e+00	3.0e-07	OPCML
cg04145477	TRUE	0e+00	3.0e-07	RTN4IP1;QRSL1
cg03103611	TRUE	0e+00	3.0e-07	UTP11L
cg14308424	TRUE	0e+00	3.0e-07	C9orf3
cg08748913	TRUE	0e+00	3.0e-07	KLHL3
cg25133130	TRUE	0e+00	3.0e-07	MAP3K6
cg05790960	TRUE	0e+00	3.0e-07	GPR153
cg21110092	TRUE	0e+00	3.0e-07	
cg06493386	TRUE	0e+00	3.0e-07	TRPA1;TRPA1
cg20434825	TRUE	0e+00	3.0e-07	C21orf63
cg13337658	TRUE	0e+00	3.0e-07	LPL
cg01053714	TRUE	0e+00	3.0e-07	SLC12A6
cg01953482	TRUE	0e+00	3.0e-07	
cg07779777	TRUE	0e+00	3.0e-07	ZBTB7A
cg05051606	TRUE	0e+00	3.0e-07	VWA3A
cg13857382	FALSE	0e+00	3.0e-07	KIAA0040;KIAA0040;KIAA0040;KIAA0040;KIAA0040;KIAA0040
cg18461362	FALSE	0e+00	3.0e-07	
cg01601155	FALSE	0e+00	3.0e-07	
cg24590075	TRUE	0e+00	3.0e-07	
cg13249833	TRUE	0e+00	3.0e-07	CKAP4
cg04299135	TRUE	0e+00	3.0e-07	BARX2
cg13902110	TRUE	0e+00	3.0e-07	
cg00146004	TRUE	0e+00	3.0e-07	
cg22605303	TRUE	0e+00	3.0e-07	
cg07673740	TRUE	0e+00	3.0e-07	
cg08578136	TRUE	0e+00	3.0e-07	ZDBF2
cg16710791	TRUE	0e+00	3.0e-07	TROVE2;TROVE2;TROVE2;UCHL5
cg06196379	TRUE	0e+00	3.0e-07	TREM1
cg07878800	TRUE	0e+00	3.0e-07	NRN1
cg25751787	TRUE	0e+00	3.0e-07	
cg24393844	TRUE	0e+00	3.0e-07	
cg06054552	TRUE	0e+00	3.0e-07	SPTBN4;SPTBN4
cg13109911	TRUE	0e+00	3.0e-07	PEA15
cg03565081	TRUE	0e+00	3.0e-07	C14orf93;C14orf93;C14orf93
cg23771603	TRUE	0e+00	3.0e-07	MYO3A
cg23531468	TRUE	0e+00	3.0e-07	COL25A1;COL25A1
cg01764116	TRUE	0e+00	3.0e-07	VPS45;VPS45
cg21386611	FALSE	0e+00	3.0e-07	FZD10
cg06638795	TRUE	0e+00	3.0e-07	KCNG3;KCNG3
cg22094781	TRUE	0e+00	3.0e-07	
cg25185518	TRUE	0e+00	3.0e-07	SMAD1;SMAD1
cg17987059	TRUE	0e+00	3.0e-07	PAN3;PAN3
cg16928400	TRUE	0e+00	3.0e-07	ZNF540;ZNF571
cg05358758	TRUE	0e+00	3.0e-07	KRT71
cg10643691	TRUE	0e+00	3.0e-07	
cg09849319	TRUE	0e+00	3.0e-07	LPCAT1
cg02531437	TRUE	0e+00	3.0e-07	PRLHR
cg15094353	TRUE	0e+00	3.0e-07	B3GNT3
cg16405876	TRUE	0e+00	3.0e-07	DMGDH
cg11082362	TRUE	0e+00	3.0e-07	INSM2

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg02304628	TRUE	0e+00	3.0e-07	NKAIN4
cg22797968	TRUE	0e+00	3.0e-07	MATR3;MATR3
cg24581795	TRUE	0e+00	3.0e-07	TNFRSF10B;TNFRSF10B;TNFRSF10B
cg01373248	TRUE	0e+00	3.0e-07	SATB1
cg23829948	TRUE	0e+00	3.0e-07	
cg09130963	FALSE	0e+00	3.0e-07	DHCR24
cg13997278	TRUE	0e+00	3.0e-07	CNP
cg13305476	TRUE	0e+00	3.0e-07	
cg25392269	TRUE	0e+00	3.0e-07	CALR
cg20064455	TRUE	0e+00	3.0e-07	WNT2;WNT2
cg13974165	TRUE	0e+00	3.0e-07	PTGS1;PTGS1
cg13112249	TRUE	0e+00	3.0e-07	FBXO7;FBXO7
cg27598407	TRUE	0e+00	3.0e-07	ATF7IP
cg17923377	TRUE	0e+00	3.0e-07	BRD1;LOC90834
cg26200239	TRUE	0e+00	3.0e-07	SCN4B;SCN4B;SCN4B;SCN4B
cg12878213	FALSE	0e+00	3.0e-07	DSTN;DSTN
cg24565747	TRUE	0e+00	3.0e-07	
cg02717437	TRUE	0e+00	3.0e-07	ZNF519
cg19359767	FALSE	0e+00	3.0e-07	
cg01340163	TRUE	0e+00	3.0e-07	KDR
cg10763288	TRUE	0e+00	3.0e-07	DHCR7;DHCR7
cg21211144	TRUE	0e+00	3.0e-07	NCOR1
cg08433673	TRUE	0e+00	3.0e-07	NUDT18
cg20979061	TRUE	0e+00	3.0e-07	SLC17A7
cg26631984	TRUE	0e+00	3.0e-07	
cg06283478	TRUE	0e+00	3.0e-07	SORCS2
cg04606861	TRUE	0e+00	3.0e-07	GALNT9
cg11081894	TRUE	0e+00	3.0e-07	
cg04936970	TRUE	0e+00	3.0e-07	DEM1
cg23281123	TRUE	0e+00	3.0e-07	SPRED2;SPRED2
cg16704389	TRUE	0e+00	3.0e-07	KATNB1
cg26339504	TRUE	0e+00	3.0e-07	VAX1;VAX1
cg19517236	TRUE	0e+00	3.0e-07	
cg13505905	TRUE	0e+00	3.0e-07	SORCS3
cg10816378	TRUE	0e+00	3.0e-07	
cg13546414	TRUE	0e+00	3.0e-07	
cg19909239	TRUE	0e+00	3.0e-07	PITX2;PITX2
cg17936572	TRUE	0e+00	3.0e-07	ARPP-21
cg17024952	FALSE	0e+00	3.0e-07	NT5DC1
cg25199005	TRUE	0e+00	3.0e-07	SMYD3;SMYD3
cg23958600	TRUE	0e+00	3.0e-07	
cg12475170	TRUE	0e+00	3.0e-07	INO80C;INO80C
cg27409802	TRUE	0e+00	3.0e-07	
cg07671036	FALSE	0e+00	3.0e-07	PRSS42
cg13397359	TRUE	0e+00	3.0e-07	GNMT
cg09158990	TRUE	0e+00	3.0e-07	WNT1
cg11856334	TRUE	0e+00	3.0e-07	
cg24092773	TRUE	0e+00	3.0e-07	
cg06973753	FALSE	0e+00	3.0e-07	LRRC59;LRRC59
cg09292876	TRUE	0e+00	3.0e-07	
cg14428767	TRUE	0e+00	3.0e-07	PPIL4
cg14948946	FALSE	0e+00	3.0e-07	TBRG4;TBRG4;TBRG4

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg11249283	TRUE	0e+00	3.0e-07	JAK3
cg01104590	TRUE	0e+00	3.0e-07	CARS;CARS;CARS;CARS
cg14582501	TRUE	0e+00	3.0e-07	SH2D3C;SH2D3C;SH2D3C;SH2D3C;SH2D3C;SH2D3C
cg21930487	TRUE	0e+00	3.0e-07	NDUFS2;NDUFS2;NDUFS2
cg00642749	TRUE	0e+00	3.0e-07	SEMA5A
cg18016194	TRUE	0e+00	3.0e-07	RALYL;RALYL;RALYL;RALYL;RALYL
cg07369523	TRUE	0e+00	3.0e-07	MAPKAPK2;MAPKAPK2
cg20344388	TRUE	0e+00	3.0e-07	COL18A1
cg04099094	TRUE	0e+00	3.0e-07	KCTD7;KCTD7
cg14535116	TRUE	0e+00	3.0e-07	
cg11240755	FALSE	0e+00	3.0e-07	FAM54B;FAM54B;FAM54B;FAM54B;LOC646471;FAM54B
cg03055693	TRUE	0e+00	3.0e-07	LAMA5
cg08047124	TRUE	0e+00	3.0e-07	TDP1;TDP1
cg16288101	TRUE	0e+00	3.0e-07	
cg00755980	TRUE	0e+00	3.0e-07	C10orf107
cg14725952	TRUE	0e+00	3.0e-07	PTPRS;PTPRS;PTPRS;PTPRS
cg23740610	TRUE	0e+00	3.0e-07	TTYH2;TTYH2
cg16071125	TRUE	0e+00	3.0e-07	DPP10;DPP10
cg12806853	TRUE	0e+00	3.0e-07	
cg16050784	TRUE	0e+00	3.0e-07	ASPH;ASPH;ASPH;ASPH;ASPH;ASPH;ASPH;ASPH;ASPH
cg17811845	TRUE	0e+00	3.0e-07	GTF2B
cg00792424	TRUE	0e+00	3.0e-07	
cg00360761	TRUE	0e+00	3.0e-07	
cg25273027	TRUE	0e+00	3.0e-07	NXPH2
cg06668555	TRUE	0e+00	3.0e-07	FAM135B
cg24357276	TRUE	0e+00	3.0e-07	HIPK1;HIPK1
cg19517653	TRUE	0e+00	3.0e-07	ALOX5
cg02466924	TRUE	0e+00	3.0e-07	DOCK4
cg17512782	TRUE	0e+00	3.0e-07	C17orf80;C17orf80;C17orf80;FAM104A;C17orf80;FAM104A;C17orf80;C17orf80
cg09451457	TRUE	0e+00	3.0e-07	
cg07910986	TRUE	0e+00	3.0e-07	IGFBP3;IGFBP3
cg24464789	TRUE	0e+00	3.0e-07	C1orf210;C1orf210
cg00906319	TRUE	0e+00	3.0e-07	PARD3
cg00461236	TRUE	0e+00	3.0e-07	
cg23111970	TRUE	0e+00	3.0e-07	KIAA1688;MGC70857
cg02390209	TRUE	0e+00	3.0e-07	HS3ST4
cg13597247	TRUE	0e+00	3.0e-07	RAB14
cg18536148	TRUE	0e+00	3.0e-07	TBX4;TBX4
cg01809941	TRUE	0e+00	3.0e-07	FAM105A
cg07315521	TRUE	0e+00	3.0e-07	KIAA0174
cg10027237	TRUE	0e+00	3.0e-07	NUP93
cg02659402	TRUE	0e+00	3.0e-07	ACTN2
cg04044664	TRUE	0e+00	3.0e-07	ANKRD43
cg24655087	TRUE	0e+00	3.0e-07	
cg08053686	TRUE	0e+00	3.0e-07	
cg00590320	TRUE	0e+00	3.0e-07	TFDP1;TFDP1
cg06878388	FALSE	0e+00	3.0e-07	LYPLA2
cg08108224	TRUE	0e+00	3.0e-07	PRIM2
cg07529884	TRUE	0e+00	3.0e-07	
cg06772449	TRUE	0e+00	3.0e-07	GBX1
cg26775079	TRUE	0e+00	3.0e-07	CCDC106
cg15213210	TRUE	0e+00	3.0e-07	PAX7;PAX7;PAX7

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg14201929	TRUE	0e+00	3.0e-07	GRIN2B
cg16553435	TRUE	0e+00	3.0e-07	
cg05265306	TRUE	0e+00	3.0e-07	PTRH2;TMEM49
cg05959170	TRUE	0e+00	3.0e-07	
cg20142309	TRUE	0e+00	3.0e-07	MYO18A;MYO18A
cg16947583	TRUE	0e+00	3.0e-07	GULP1
cg20875298	FALSE	0e+00	3.0e-07	C12orf75;C12orf75
cg00980592	TRUE	0e+00	3.0e-07	
cg09696044	TRUE	0e+00	3.0e-07	RBM38;RBM38
cg11205200	TRUE	0e+00	3.0e-07	GLE1;GLE1
cg08755743	TRUE	0e+00	3.0e-07	GATA2;GATA2;GATA2
cg22724132	TRUE	0e+00	3.0e-07	CMIP
cg11260097	TRUE	0e+00	3.0e-07	
cg07552803	TRUE	0e+00	3.0e-07	NEFM;NEFM
cg21157065	TRUE	0e+00	3.0e-07	LCN2
cg25140066	TRUE	0e+00	3.0e-07	LCLAT1;LCLAT1
cg16033633	TRUE	0e+00	3.0e-07	ZIC5
cg23803468	TRUE	0e+00	3.0e-07	EPB42;EPB42
cg04045079	TRUE	0e+00	3.0e-07	EDNRA;EDNRA;EDNRA;EDNRA;EDNRA
cg04056504	TRUE	0e+00	3.0e-07	MEI1
cg10184431	TRUE	0e+00	3.0e-07	HIST1H2AJ;HIST1H2BM;HIST1H2BM
cg18889780	TRUE	0e+00	3.0e-07	UCHL1
cg25816013	TRUE	0e+00	3.0e-07	BUB3;BUB3
cg24838345	TRUE	0e+00	3.0e-07	MTSS1
cg13125627	TRUE	0e+00	3.0e-07	C8orf4
cg07022048	TRUE	0e+00	3.0e-07	KRT7
cg14519952	TRUE	0e+00	3.0e-07	ZNF664
cg05756220	TRUE	0e+00	3.0e-07	KCNA4
cg07628705	TRUE	0e+00	3.0e-07	ABHD12B;ABHD12B
cg20723473	FALSE	0e+00	3.0e-07	EP400
cg00881168	TRUE	0e+00	3.0e-07	QPCT
cg08002151	TRUE	0e+00	3.0e-07	
cg04568274	TRUE	0e+00	3.0e-07	WDR60;WDR60
cg01242348	TRUE	0e+00	3.0e-07	CEBPE
cg21184951	TRUE	0e+00	3.0e-07	HDAC4
cg11017269	TRUE	0e+00	3.0e-07	RHOBTB3;RHOBTB3
cg09341008	TRUE	0e+00	3.0e-07	EGR2;EGR2;EGR2;EGR2;EGR2;EGR2;EGR2
cg02230593	TRUE	0e+00	3.0e-07	EMX2OS
cg19815055	TRUE	0e+00	3.0e-07	NIPBL;NIPBL
cg25786273	TRUE	0e+00	3.0e-07	MBP;MBP
cg14596108	TRUE	0e+00	3.0e-07	FAM19A5;FAM19A5
cg03691958	TRUE	0e+00	3.0e-07	DRD2;DRD2
cg03538020	TRUE	0e+00	3.0e-07	TIMD4;TIMD4
cg14034170	FALSE	0e+00	3.0e-07	NIF3L1;PPIL3;PPIL3;PPIL3;NIF3L1;NIF3L1
cg00481644	TRUE	0e+00	3.0e-07	LOC254559
cg06959182	TRUE	0e+00	3.0e-07	SEMA6A;SEMA6A
cg10403048	TRUE	0e+00	3.0e-07	AKAP8
cg13555004	TRUE	0e+00	3.0e-07	PQLC2;PQLC2;PQLC2
cg03553407	TRUE	0e+00	3.0e-07	ARHGAP10
cg06394247	TRUE	0e+00	3.0e-07	PAX5
cg06704773	TRUE	0e+00	3.0e-07	GAS5;SNORD76;SNORD75;SNORD77;ZBTB37;ZBTB37;SNORD74
cg19208412	TRUE	0e+00	3.0e-07	ASAH2B

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg04023226	TRUE	0e+00	3.0e-07	CYGB;PRCD
cg07837102	TRUE	0e+00	3.0e-07	BRD2;BRD2
cg25136709	TRUE	0e+00	3.0e-07	FAM115A
cg01046174	TRUE	0e+00	3.0e-07	PIKFYVE;PIKFYVE
cg03002688	TRUE	0e+00	3.0e-07	
cg11416650	TRUE	0e+00	3.0e-07	
cg01162672	TRUE	0e+00	3.0e-07	EYA4;EYA4;EYA4
cg11282828	FALSE	0e+00	3.0e-07	
cg07283011	TRUE	0e+00	3.0e-07	RYK;RYK
cg23805780	TRUE	0e+00	3.0e-07	L3MBTL3;L3MBTL3
cg19787000	TRUE	0e+00	3.0e-07	
cg04417028	TRUE	0e+00	3.0e-07	ARHGAP20
cg15144697	TRUE	0e+00	3.0e-07	NDUFB3;FAM126B
cg11128212	TRUE	0e+00	3.0e-07	
cg13512204	FALSE	0e+00	3.0e-07	PCSK5
cg00835521	FALSE	0e+00	3.0e-07	SEC14L5
cg25354657	TRUE	0e+00	3.0e-07	APLP2;APLP2;APLP2;APLP2;APLP2;APLP2
cg16411103	TRUE	0e+00	3.0e-07	STARD13;STARD13;STARD13
cg09424566	TRUE	0e+00	3.0e-07	AHCYL2;AHCYL2
cg05650171	TRUE	0e+00	3.0e-07	PFDN2;NIT1
cg20627916	TRUE	0e+00	3.0e-07	ESR1;ESR1;ESR1;ESR1
cg01759562	TRUE	0e+00	3.0e-07	
cg04732840	TRUE	0e+00	3.0e-07	
cg21479903	TRUE	0e+00	3.0e-07	C19orf26
cg10027091	TRUE	0e+00	3.0e-07	
cg11927827	TRUE	0e+00	3.0e-07	HERC3
cg02542118	TRUE	0e+00	3.0e-07	PEX13;PUS10
cg19432851	TRUE	0e+00	3.0e-07	
cg09815251	TRUE	0e+00	3.0e-07	
cg04137405	TRUE	0e+00	3.0e-07	
cg20018181	TRUE	0e+00	3.0e-07	UTP3
cg07832738	TRUE	0e+00	3.0e-07	
cg26429905	TRUE	0e+00	3.0e-07	MANBAL;MANBAL
cg00938395	TRUE	0e+00	3.0e-07	UBXN11;UBXN11;UBXN11
cg08021348	TRUE	0e+00	3.0e-07	
cg10505415	TRUE	0e+00	3.0e-07	OLFML2B
cg10189962	TRUE	0e+00	3.0e-07	
cg19307406	TRUE	0e+00	3.0e-07	ADCY10;ADCY10
cg18116217	TRUE	0e+00	4.0e-07	PITRM1
cg02443148	FALSE	0e+00	4.0e-07	
cg13280063	TRUE	0e+00	4.0e-07	
cg07092985	TRUE	0e+00	4.0e-07	RP1
cg18700199	FALSE	0e+00	4.0e-07	DHPS;DHPS;DHPS
cg23523019	TRUE	0e+00	4.0e-07	C7orf50;C7orf50;C7orf50
cg00563873	TRUE	0e+00	4.0e-07	
cg18873593	TRUE	0e+00	4.0e-07	GTF3C6
cg04012266	TRUE	0e+00	4.0e-07	PDE3A
cg16891880	TRUE	0e+00	4.0e-07	C22orf23;POLR2F
cg19622850	FALSE	0e+00	4.0e-07	TBC1D10A
cg10624480	TRUE	0e+00	4.0e-07	SLC39A1
cg18180673	TRUE	0e+00	4.0e-07	
cg10441424	TRUE	0e+00	4.0e-07	



CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg08030082	TRUE	0e+00	4.0e-07	POMC;POMC
cg08529259	TRUE	0e+00	4.0e-07	GCSH;GCSH;LOC100329108
cg21675115	TRUE	0e+00	4.0e-07	EDNRB;EDNRB;EDNRB
cg24506862	TRUE	0e+00	4.0e-07	BRUNOL4;BRUNOL4;BRUNOL4;BRUNOL4
cg09299053	TRUE	0e+00	4.0e-07	ZNF716
cg25473115	TRUE	0e+00	4.0e-07	MAGI1;MAGI1;MAGI1
cg10320446	TRUE	0e+00	4.0e-07	MTPN;LUZP6;LUZP6
cg20914508	TRUE	0e+00	4.0e-07	GAP43;GAP43;GAP43;GAP43
cg04658707	FALSE	0e+00	4.0e-07	
cg04001359	TRUE	0e+00	4.0e-07	FBXL7
cg25819309	TRUE	0e+00	4.0e-07	PCF11
cg22610620	TRUE	0e+00	4.0e-07	
cg15256492	TRUE	0e+00	4.0e-07	
cg13351698	TRUE	0e+00	4.0e-07	CBX3;CBX3;HNRNPA2B1;HNRNPA2B1
cg04081402	TRUE	0e+00	4.0e-07	TCN2
cg17651451	TRUE	0e+00	4.0e-07	ADAMTS2;ADAMTS2
cg04597545	TRUE	0e+00	4.0e-07	PTBP1;PTBP1;PTBP1;PTBP1
cg10035607	TRUE	0e+00	4.0e-07	CD2BP2;CD2BP2
cg01212887	TRUE	0e+00	4.0e-07	SOX21
cg22322381	TRUE	0e+00	4.0e-07	SLC13A3;SLC13A3
cg12922931	TRUE	0e+00	4.0e-07	C21orf59
cg26256010	TRUE	0e+00	4.0e-07	SMG7;SMG7;SMG7
cg22596557	FALSE	0e+00	4.0e-07	TRIOBP;TRIOBP;TRIOBP
cg04549115	TRUE	0e+00	4.0e-07	RWDD1;RWDD1;RWDD1
cg12376829	TRUE	0e+00	4.0e-07	MAD1L1;MAD1L1;MAD1L1
cg15704225	TRUE	0e+00	4.0e-07	
cg03970483	TRUE	0e+00	4.0e-07	C10orf28
cg18092095	TRUE	0e+00	4.0e-07	PTOV1
cg19545851	TRUE	0e+00	4.0e-07	HMMR;HMMR;NUDCD2;HMMR;HMMR
cg15010554	TRUE	0e+00	4.0e-07	
cg11678896	TRUE	0e+00	4.0e-07	
cg07294323	TRUE	0e+00	4.0e-07	ZFHX3;ZFHX3
cg23918490	TRUE	0e+00	4.0e-07	ZNF438;ZNF438;ZNF438;ZNF438;ZNF438;ZNF438;ZNF438
cg03147542	TRUE	0e+00	4.0e-07	CBLL1;CBLL1
cg02159763	TRUE	0e+00	4.0e-07	CARS2
cg11908057	TRUE	0e+00	4.0e-07	HOXA4
cg06838985	TRUE	0e+00	4.0e-07	TRPC6
cg02275530	TRUE	0e+00	4.0e-07	BCAS3;BCAS3
cg20497212	TRUE	0e+00	4.0e-07	AOAH
cg03968755	TRUE	0e+00	4.0e-07	NKX6-1
cg13167816	TRUE	0e+00	4.0e-07	FITM1
cg08736446	TRUE	0e+00	4.0e-07	HELT
cg17881600	TRUE	0e+00	4.0e-07	
cg08478709	TRUE	0e+00	4.0e-07	
cg09988853	TRUE	0e+00	4.0e-07	KCNC3
cg25782293	TRUE	0e+00	4.0e-07	PTPRN2;PTPRN2;PTPRN2
cg08769781	TRUE	0e+00	4.0e-07	ENTPD4;ENTPD4
cg23970458	TRUE	0e+00	4.0e-07	
cg07353583	FALSE	0e+00	4.0e-07	SV2C
cg07538946	TRUE	0e+00	4.0e-07	SLC22A5
cg22764925	TRUE	0e+00	4.0e-07	GGT1
cg05081223	TRUE	0e+00	4.0e-07	H2AFJ;H2AFJ;H2AFJ

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg00637940	TRUE	0e+00	4.0e-07	
cg04467208	TRUE	0e+00	4.0e-07	ACO2;PHF5A
cg21976560	FALSE	0e+00	4.0e-07	THUMPD3;THUMPD3
cg26479028	TRUE	0e+00	4.0e-07	HSD17B2
cg22694635	TRUE	0e+00	4.0e-07	APLP1;APLP1
cg26398921	TRUE	0e+00	4.0e-07	
cg00417835	TRUE	0e+00	4.0e-07	ZBTB9
cg14437045	TRUE	0e+00	4.0e-07	
cg19495650	TRUE	0e+00	4.0e-07	JMJD1C
cg05519781	TRUE	0e+00	4.0e-07	ERG;ERG
cg25575628	TRUE	0e+00	4.0e-07	ITIH5;ITIH5
cg16389901	TRUE	0e+00	4.0e-07	BMP4;BMP4
cg15775914	TRUE	0e+00	4.0e-07	CHML;OPN3;CHML
cg17408972	TRUE	0e+00	4.0e-07	RAI14;RAI14;RAI14;RAI14;RAI14;RAI14;RAI14
cg10757065	TRUE	0e+00	4.0e-07	CCDC140
cg07071449	TRUE	0e+00	4.0e-07	RAMP1
cg27127142	TRUE	0e+00	4.0e-07	NUSAP1;NUSAP1;NUSAP1;OIP5
cg14210985	TRUE	0e+00	4.0e-07	PTHLH;PTHLH;PTHLH;PTHLH
cg02218496	TRUE	0e+00	4.0e-07	
cg12940822	TRUE	0e+00	4.0e-07	FBN2;FBN2
cg09321400	TRUE	0e+00	4.0e-07	SLC6A2
cg03289906	TRUE	0e+00	4.0e-07	PPP1R9A;PPP1R9A;PPP1R9A;PPP1R9A;PPP1R9A
cg02060584	TRUE	0e+00	4.0e-07	ANK2;ANK2;ANK2
cg19637821	TRUE	0e+00	4.0e-07	FBRSL1
cg05586911	TRUE	0e+00	4.0e-07	
cg02693279	FALSE	0e+00	4.0e-07	
cg06179485	TRUE	0e+00	4.0e-07	TMEM54
cg00109076	TRUE	0e+00	4.0e-07	SLITRK5
cg25750901	TRUE	0e+00	4.0e-07	SEC14L3
cg04688051	TRUE	0e+00	4.0e-07	LYNX1;LYNX1;LYNX1;LYNX1
cg00459078	TRUE	0e+00	4.0e-07	KIF18B
cg02784464	TRUE	0e+00	4.0e-07	PLEKHG1
cg11668199	TRUE	0e+00	4.0e-07	ATG12;AP3S1;ATG12
cg27357571	TRUE	0e+00	4.0e-07	OLIG2
cg13831216	TRUE	0e+00	4.0e-07	AUTS2;AUTS2
cg05376362	TRUE	0e+00	4.0e-07	
cg21351852	TRUE	0e+00	4.0e-07	GPR84
cg17505819	TRUE	0e+00	4.0e-07	RG57BP
cg22048546	TRUE	0e+00	4.0e-07	CD55;CD55
cg20981086	TRUE	0e+00	4.0e-07	
cg06179645	TRUE	0e+00	4.0e-07	SEMA6C
cg03790988	TRUE	0e+00	4.0e-07	DOK6
cg13082120	TRUE	0e+00	4.0e-07	WDR46;WDR46;WDR46;PFDN6;WDR46
cg04892170	TRUE	0e+00	4.0e-07	ADAM12;ADAM12;ADAM12;ADAM12
cg22431438	TRUE	0e+00	4.0e-07	UBE2C;UBE2C;UBE2C;UBE2C;UBE2C;UBE2C;UBE2C
cg27042523	TRUE	0e+00	4.0e-07	
cg00312553	TRUE	0e+00	4.0e-07	C5orf52
cg05057777	TRUE	0e+00	4.0e-07	EID3;TXNRD1;TXNRD1;TXNRD1;EID3;TXNRD1;TXNRD1
cg04205193	TRUE	0e+00	4.0e-07	MIIP
cg10664184	TRUE	0e+00	4.0e-07	DDA1
cg01153872	TRUE	0e+00	4.0e-07	HDAC4
cg24838010	TRUE	0e+00	4.0e-07	SLC26A11;SLC26A11;SLC26A11;SGSH;SLC26A11

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg04304121	TRUE	0e+00	4.0e-07	FAM179A
cg16672263	TRUE	0e+00	4.0e-07	CDK15
cg01981268	TRUE	0e+00	4.0e-07	RPH3AL
cg02457282	TRUE	0e+00	4.0e-07	SRFBP1
cg17641649	TRUE	0e+00	4.0e-07	
cg00622654	TRUE	0e+00	4.0e-07	DOCK1
cg20921712	TRUE	0e+00	4.0e-07	NANOS2
cg25446676	TRUE	0e+00	4.0e-07	NAA20;NAA20;NAA20
cg04403049	TRUE	0e+00	4.0e-07	VTI1B
cg14195059	TRUE	0e+00	4.0e-07	TGM7
cg10170443	TRUE	0e+00	4.0e-07	BTF3;BTF3
cg10304516	TRUE	0e+00	4.0e-07	
cg02883666	TRUE	0e+00	4.0e-07	MIR496
cg03476195	TRUE	0e+00	4.0e-07	ANK2;ANK2;ANK2
cg24456130	TRUE	0e+00	4.0e-07	
cg24171907	FALSE	0e+00	4.0e-07	CNRIP1;CNRIP1;CNRIP1;CNRIP1
cg04237608	TRUE	0e+00	4.0e-07	IGSF21
cg10841673	TRUE	0e+00	4.0e-07	MOCS3;DPM1
cg02455615	TRUE	0e+00	4.0e-07	CSTF3;CSTF3;CSTF3
cg18244508	TRUE	0e+00	4.0e-07	NOTCH4
cg23892580	TRUE	0e+00	4.0e-07	SMARCA4;SMARCA4;SMARCA4;SMARCA4;SMARCA4
cg19033037	TRUE	0e+00	4.0e-07	
cg24289314	TRUE	0e+00	4.0e-07	OAT
cg12074182	TRUE	0e+00	4.0e-07	EVX2;EVX2
cg10173075	TRUE	0e+00	4.0e-07	RLBP1;RLBP1
cg17763743	TRUE	0e+00	4.0e-07	
cg08488945	TRUE	0e+00	4.0e-07	SOX2OT
cg20546810	TRUE	0e+00	4.0e-07	ZNF343
cg19971804	TRUE	0e+00	4.0e-07	MORN2;DHX57
cg00082770	TRUE	0e+00	4.0e-07	FLJ32063
cg06776709	TRUE	0e+00	4.0e-07	
cg20673840	TRUE	0e+00	4.0e-07	ESM1;ESM1;ESM1;ESM1
cg01058360	TRUE	0e+00	4.0e-07	PRKAG2;PRKAG2
cg13407278	TRUE	0e+00	4.0e-07	CENPP;ECM2
cg27631427	TRUE	0e+00	4.0e-07	LIPG
cg14791413	TRUE	0e+00	4.0e-07	GLT1D1
cg24646027	TRUE	0e+00	4.0e-07	
cg11856542	TRUE	0e+00	4.0e-07	KIAA1239
cg03767310	TRUE	0e+00	4.0e-07	FSTL5;FSTL5;FSTL5
cg19193201	FALSE	0e+00	4.0e-07	FAM59A
cg14985987	FALSE	0e+00	4.0e-07	TAF1A;TAF1A
cg01446164	TRUE	0e+00	4.0e-07	
cg03813688	TRUE	0e+00	4.0e-07	TLX2
cg01519897	TRUE	0e+00	4.0e-07	HAND1
cg23684410	TRUE	0e+00	4.0e-07	SIK3
cg24827357	TRUE	0e+00	4.0e-07	
cg16328078	TRUE	0e+00	4.0e-07	
cg02970919	TRUE	0e+00	4.0e-07	LRP2BP
cg01233872	TRUE	0e+00	4.0e-07	FKBPL
cg25460984	TRUE	0e+00	4.0e-07	
cg18644191	TRUE	0e+00	4.0e-07	LPPR4;LPPR4
cg09154591	TRUE	0e+00	4.0e-07	VIT

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg04050578	TRUE	0e+00	4.0e-07	KCTD21;USP35
cg23416216	TRUE	0e+00	4.0e-07	
cg11166167	TRUE	0e+00	4.0e-07	
cg16671238	TRUE	0e+00	4.0e-07	CRYL1
cg19392142	TRUE	0e+00	4.0e-07	
cg07695272	TRUE	0e+00	4.0e-07	USP10
cg25274008	TRUE	0e+00	4.0e-07	TRIM62
cg16664532	TRUE	0e+00	4.0e-07	
cg04792813	TRUE	0e+00	4.0e-07	CCDC85C
cg16032384	TRUE	0e+00	4.0e-07	RCC2;RCC2;RCC2
cg21875096	TRUE	0e+00	4.0e-07	
cg26276572	TRUE	0e+00	4.0e-07	NCRNA00162
cg01457653	TRUE	0e+00	4.0e-07	FBXL8;TRADD
cg16484943	TRUE	0e+00	4.0e-07	PLA2G16;PLA2G16
cg18193247	TRUE	0e+00	4.0e-07	SLC10A7;SLC10A7;SLC10A7;SLC10A7
cg24060527	FALSE	0e+00	4.0e-07	NTN1
cg03366986	TRUE	0e+00	4.0e-07	
cg05897163	TRUE	0e+00	4.0e-07	PPP1R1B
cg11193281	TRUE	0e+00	4.0e-07	CHRNA2
cg09390001	TRUE	0e+00	4.0e-07	KIAA1024
cg22732515	FALSE	0e+00	4.0e-07	ETHE1;ETHE1
cg08231493	TRUE	0e+00	4.0e-07	MTMR7
cg02369766	TRUE	0e+00	4.0e-07	
cg06020207	TRUE	0e+00	4.0e-07	
cg10538146	TRUE	0e+00	4.0e-07	KLHDC5
cg10126234	TRUE	0e+00	4.0e-07	ZFYVE21
cg26141228	TRUE	0e+00	4.0e-07	CBS
cg12130935	TRUE	0e+00	4.0e-07	LY6E;LOC100133669;LY6E
cg10479053	TRUE	0e+00	4.0e-07	PSMD3
cg06076277	TRUE	0e+00	4.0e-07	
cg10981909	TRUE	0e+00	4.0e-07	FAM159B;FAM159B
cg07794367	TRUE	0e+00	4.0e-07	SHISA9
cg11811212	TRUE	0e+00	4.0e-07	
cg11051055	TRUE	0e+00	4.0e-07	XKR6
cg22587514	TRUE	0e+00	4.0e-07	MRPS2;C9orf116;C9orf116
cg20389678	TRUE	0e+00	4.0e-07	
cg09523691	TRUE	0e+00	4.0e-07	ATG12;AP3S1
cg00306721	FALSE	0e+00	4.0e-07	BSCL2
cg01288611	TRUE	0e+00	4.0e-07	NSMAF;NSMAF
cg06745507	TRUE	0e+00	4.0e-07	SERF2
cg11745444	TRUE	0e+00	4.0e-07	
cg00824018	TRUE	0e+00	4.0e-07	INA
cg24001556	TRUE	0e+00	4.0e-07	RP5-1022P6.2
cg09784081	TRUE	0e+00	4.0e-07	FLJ43663;FLJ43663
cg26195482	TRUE	0e+00	4.0e-07	ASPG
cg02817167	FALSE	0e+00	4.0e-07	SLC19A1
cg03520644	TRUE	0e+00	4.0e-07	COL11A1;COL11A1;COL11A1;COL11A1
cg10761979	TRUE	0e+00	4.0e-07	ALDH1L1
cg14462553	FALSE	0e+00	4.0e-07	PTPRN2;PTPRN2;PTPRN2
cg02457750	TRUE	0e+00	4.0e-07	NR5A2;NR5A2
cg13793166	TRUE	0e+00	4.0e-07	PHF19;PHF19
cg16187659	FALSE	0e+00	4.0e-07	IFITM2;IFITM2

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg17308758	TRUE	0e+00	4.0e-07	TTC7B
cg17463287	TRUE	0e+00	4.0e-07	
cg24811290	TRUE	0e+00	4.0e-07	FAM198B;FAM198B;FAM198B
cg07045089	TRUE	0e+00	4.0e-07	TP73;TP73;TP73;TP73
cg10102762	TRUE	0e+00	4.0e-07	MOS
cg00759329	TRUE	0e+00	4.0e-07	
cg23194610	TRUE	0e+00	4.0e-07	GRPEL1
cg14544180	TRUE	0e+00	4.0e-07	KIAA1683;KIAA1683;KIAA1683
cg24603490	TRUE	0e+00	4.0e-07	AMIGO2;AMIGO2
cg04907595	TRUE	0e+00	4.0e-07	RUNX3;RUNX3
cg03185283	FALSE	0e+00	4.0e-07	LRCH3
cg08060270	TRUE	0e+00	4.0e-07	FAM20C
cg16314543	TRUE	0e+00	4.0e-07	
cg16508199	TRUE	0e+00	4.0e-07	ESAM
cg03137135	TRUE	0e+00	4.0e-07	
cg00848594	TRUE	0e+00	4.0e-07	C10orf25;ZNF22
cg02434836	TRUE	0e+00	4.0e-07	
cg03120102	TRUE	0e+00	4.0e-07	WWOX
cg07318983	TRUE	0e+00	4.0e-07	
cg04212092	TRUE	0e+00	4.0e-07	AHDC1
cg09992376	TRUE	0e+00	4.0e-07	CAPN8
cg16432009	TRUE	0e+00	4.0e-07	CDC42EP1
cg11567288	TRUE	0e+00	4.0e-07	
cg06628000	TRUE	0e+00	4.0e-07	SARS
cg16706038	FALSE	0e+00	4.0e-07	C21orf56;C21orf56
cg16349827	TRUE	0e+00	4.0e-07	VWA3B
cg20672161	TRUE	0e+00	4.0e-07	
cg01908020	TRUE	0e+00	4.0e-07	SHF
cg01382110	TRUE	0e+00	4.0e-07	
cg13902357	TRUE	0e+00	4.0e-07	HLA-B
cg15640375	TRUE	0e+00	4.0e-07	LPPR3
cg25581063	TRUE	0e+00	4.0e-07	NSUN3;DHFR1;NSUN3
cg11344533	TRUE	0e+00	4.0e-07	SIK2
cg18405786	FALSE	0e+00	4.0e-07	KLHL26
cg17695791	TRUE	0e+00	4.0e-07	
cg23966569	TRUE	0e+00	4.0e-07	LIMS2;LIMS2;LIMS2
cg24206431	TRUE	0e+00	4.0e-07	CARD14;CARD14
cg01131038	TRUE	0e+00	4.0e-07	
cg14527280	TRUE	0e+00	4.0e-07	SLC22A23
cg06110816	TRUE	0e+00	4.0e-07	DUSP5
cg27036638	TRUE	0e+00	4.0e-07	RARG;RARG
cg18494043	TRUE	0e+00	4.0e-07	PCDH9;PCDH9
cg10553515	TRUE	0e+00	4.0e-07	RNF216L;RNF216L;RNF216L
cg08161802	TRUE	0e+00	4.0e-07	SDC3
cg26910465	TRUE	0e+00	4.0e-07	ADAL;ADAL;LCMT2
cg05546296	TRUE	0e+00	4.0e-07	RASSF1;RASSF1;RASSF1;RASSF1
cg02571142	TRUE	0e+00	4.0e-07	DKK4
cg16087457	TRUE	0e+00	4.0e-07	TRIM65
cg18139256	TRUE	0e+00	4.0e-07	
cg16440629	TRUE	0e+00	4.0e-07	WNT3
cg10778841	TRUE	0e+00	4.0e-07	SORCS3
cg22183232	TRUE	0e+00	4.0e-07	IPO7

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg18518074	TRUE	0e+00	4.0e-07	EHD1
cg25698777	TRUE	0e+00	4.0e-07	FAM91A1
cg19942083	TRUE	0e+00	4.0e-07	
cg03938043	TRUE	0e+00	4.0e-07	INTS7;DTL
cg24859433	TRUE	0e+00	4.0e-07	
cg09915703	TRUE	0e+00	4.0e-07	STX5
cg11582484	TRUE	0e+00	4.0e-07	SNORD115-10;SNORD115-42
cg27530316	TRUE	0e+00	4.0e-07	RUVBL2;GYS1;GYS1;GYS1
cg01138530	TRUE	0e+00	4.0e-07	JOSD1
cg02546618	TRUE	0e+00	4.0e-07	KIAA0892;SF4
cg03084704	TRUE	0e+00	4.0e-07	
cg01810907	TRUE	0e+00	4.0e-07	GNG12
cg19588519	TRUE	0e+00	4.0e-07	
cg08498262	TRUE	0e+00	4.0e-07	UBTD1
cg09286367	TRUE	0e+00	4.0e-07	MIR589;FBXL18
cg01167623	TRUE	0e+00	4.0e-07	OTOA;OTOA;OTOA
cg26888861	TRUE	0e+00	4.0e-07	ZBTB3
cg09000178	TRUE	0e+00	4.0e-07	CBFB;CBFB
cg00714184	TRUE	0e+00	4.0e-07	LRAT
cg21616542	TRUE	0e+00	4.0e-07	SERTAD3
cg00046560	TRUE	0e+00	4.0e-07	SNRPA1
cg00502972	TRUE	0e+00	4.0e-07	TXNDC17;KIAA0753
cg08370839	TRUE	0e+00	4.0e-07	OBFC1
cg23765126	TRUE	0e+00	4.0e-07	
cg08943045	TRUE	0e+00	5.0e-07	
cg00994250	TRUE	0e+00	5.0e-07	PLEKHG1
cg05708114	TRUE	0e+00	5.0e-07	ARID3C
cg18005828	TRUE	0e+00	5.0e-07	
cg05014568	TRUE	0e+00	5.0e-07	RADIL
cg18504218	TRUE	0e+00	5.0e-07	C19orf12;C19orf12
cg09916174	TRUE	0e+00	5.0e-07	CALD1;CALD1;CALD1;CALD1;CALD1
cg16556145	TRUE	0e+00	5.0e-07	CLDN10;CLDN10;CLDN10
cg01677386	TRUE	0e+00	5.0e-07	VPS11
cg05414479	TRUE	0e+00	5.0e-07	IGFBP2
cg06932535	TRUE	0e+00	5.0e-07	
cg05817443	TRUE	0e+00	5.0e-07	
cg03758514	TRUE	0e+00	5.0e-07	HIST1H2BI
cg24436715	TRUE	0e+00	5.0e-07	
cg01899437	TRUE	0e+00	5.0e-07	CCDC149;CCDC149
cg09580621	FALSE	0e+00	5.0e-07	CRAMP1L
cg11575047	TRUE	0e+00	5.0e-07	RPLP0;RPLP0
cg23747904	TRUE	0e+00	5.0e-07	PCDP1
cg19712813	TRUE	0e+00	5.0e-07	TRNP1
cg13963210	TRUE	0e+00	5.0e-07	
cg10877086	TRUE	0e+00	5.0e-07	
cg18799217	TRUE	0e+00	5.0e-07	
cg20004827	TRUE	0e+00	5.0e-07	KNDC1
cg24423503	TRUE	0e+00	5.0e-07	
cg14011845	TRUE	0e+00	5.0e-07	TBX4
cg16009877	TRUE	0e+00	5.0e-07	WIF1
cg01852476	TRUE	0e+00	5.0e-07	SKI
cg18845832	TRUE	0e+00	5.0e-07	FAM129A;FAM129A

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg05411165	TRUE	0e+00	5.0e-07	
cg21898046	TRUE	0e+00	5.0e-07	MGAT1;MGAT1;MGAT1;MGAT1;MGAT1
cg04552470	TRUE	0e+00	5.0e-07	VWA5B1
cg14750543	TRUE	0e+00	5.0e-07	RASSF2;RASSF2
cg22023604	TRUE	0e+00	5.0e-07	PSMC3IP;PSMC3IP
cg25316339	TRUE	0e+00	5.0e-07	ANKRD34B
cg24701257	TRUE	0e+00	5.0e-07	WBSCR22;DNAJC30
cg07060076	TRUE	0e+00	5.0e-07	MMAB;MVK;MVK
cg20111340	TRUE	0e+00	5.0e-07	SUPT5H;SUPT5H;SUPT5H;SUPT5H
cg07892785	TRUE	0e+00	5.0e-07	MYRIP
cg02580763	TRUE	0e+00	5.0e-07	PCDHGA4;PCDHGA2;PCDHGA5;PCDHGB2;PCDHGA1;PCDHGB1;P
cg12548760	TRUE	0e+00	5.0e-07	TET1
cg08722122	TRUE	0e+00	5.0e-07	FGFR1;FGFR1;FGFR1;FGFR1;FGFR1;FGFR1;FGFR1
cg03467027	FALSE	0e+00	5.0e-07	C4orf37
cg17972606	TRUE	0e+00	5.0e-07	ZNF317
cg14635586	TRUE	0e+00	5.0e-07	
cg17148988	TRUE	0e+00	5.0e-07	
cg26814396	TRUE	0e+00	5.0e-07	KLF13
cg24409539	TRUE	0e+00	5.0e-07	PAX8;PAX8;PAX8;PAX8;PAX8;LOC440839
cg24488311	TRUE	0e+00	5.0e-07	
cg11832722	TRUE	0e+00	5.0e-07	DSC3;DSC3
cg22327338	TRUE	0e+00	5.0e-07	MAD1L1;MAD1L1;MAD1L1
cg13924954	FALSE	0e+00	5.0e-07	MIR516B2
cg04115702	TRUE	0e+00	5.0e-07	HRNBP3
cg13119097	TRUE	0e+00	5.0e-07	RNF157
cg23881936	TRUE	0e+00	5.0e-07	ZNF223
cg16890796	TRUE	0e+00	5.0e-07	SLC17A7
cg23433527	TRUE	0e+00	5.0e-07	MYO5C
cg08293367	TRUE	0e+00	5.0e-07	YPEL1
cg17609809	TRUE	0e+00	5.0e-07	
cg15423407	TRUE	0e+00	5.0e-07	DNAJC14
cg24088293	FALSE	0e+00	5.0e-07	OPTN;OPTN;OPTN;OPTN
cg22130262	TRUE	0e+00	5.0e-07	MOS
cg06259612	TRUE	0e+00	5.0e-07	
cg18732032	TRUE	0e+00	5.0e-07	TFAP2A
cg18637718	TRUE	0e+00	5.0e-07	B3GNTL1
cg25946304	TRUE	0e+00	5.0e-07	S1PR5;S1PR5
cg00658890	TRUE	0e+00	5.0e-07	
cg17385737	TRUE	0e+00	5.0e-07	ELK3
cg10537192	TRUE	0e+00	5.0e-07	COL11A2;COL11A2;COL11A2
cg06836772	TRUE	0e+00	5.0e-07	PRKAA2
cg04554131	TRUE	0e+00	5.0e-07	RUNX3
cg19764599	TRUE	0e+00	5.0e-07	LHX8
cg11338426	FALSE	0e+00	5.0e-07	CRHR1;CRHR1;CRHR1;CRHR1;CRHR1;CRHR1;CRHR1
cg10324703	TRUE	0e+00	5.0e-07	POU6F2;POU6F2
cg11233444	FALSE	0e+00	5.0e-07	WAPAL
cg14351526	TRUE	0e+00	5.0e-07	MIR30C2
cg21867891	FALSE	0e+00	5.0e-07	ZNF532
cg22307009	TRUE	0e+00	5.0e-07	NAPA
cg06315217	TRUE	0e+00	5.0e-07	GMDS
cg16647921	TRUE	0e+00	5.0e-07	
cg18849102	TRUE	0e+00	5.0e-07	MSX1

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg21884421	TRUE	0e+00	5.0e-07	IGDCC3
cg26544685	FALSE	0e+00	5.0e-07	C11orf75
cg22793735	TRUE	0e+00	5.0e-07	PLOD2;PLOD2
cg19719478	TRUE	0e+00	5.0e-07	C12orf36
cg11716608	FALSE	0e+00	5.0e-07	GUSB
cg23251970	FALSE	0e+00	5.0e-07	GNG12
cg11691300	TRUE	0e+00	5.0e-07	
cg14779520	TRUE	0e+00	5.0e-07	FAM105B
cg07909497	TRUE	0e+00	5.0e-07	DDX12
cg05242371	TRUE	0e+00	5.0e-07	DMPK;DMPK;DMPK;DMWD
cg02739850	FALSE	0e+00	5.0e-07	
cg08128148	TRUE	0e+00	5.0e-07	TCF12;TCF12;TCF12;TCF12
cg17725129	TRUE	0e+00	5.0e-07	FGF23
cg21420366	TRUE	0e+00	5.0e-07	NGF
cg26332560	TRUE	0e+00	5.0e-07	ADCY8
cg13189086	TRUE	0e+00	5.0e-07	NIPA2;NIPA2;NIPA2;NIPA2
cg14210119	TRUE	0e+00	5.0e-07	
cg00856157	TRUE	0e+00	5.0e-07	UGT8;UGT8
cg07316846	TRUE	0e+00	5.0e-07	
cg02628513	FALSE	0e+00	5.0e-07	RNF144B;RNF144B
cg07145598	TRUE	0e+00	5.0e-07	IQCH
cg23634322	TRUE	0e+00	5.0e-07	C20orf24;C20orf24;C20orf24
cg25952964	TRUE	0e+00	5.0e-07	EDAR
cg18778608	TRUE	0e+00	5.0e-07	MRPL54;APBA3
cg11083416	TRUE	0e+00	5.0e-07	
cg04557105	TRUE	0e+00	5.0e-07	ACBD5;ACBD5;ACBD5;ACBD5
cg10813147	TRUE	0e+00	5.0e-07	DR1;DR1
cg17964844	TRUE	0e+00	5.0e-07	
cg19014036	TRUE	0e+00	5.0e-07	CECR5
cg05063999	TRUE	0e+00	5.0e-07	
cg22063259	TRUE	0e+00	5.0e-07	ISLR2;ISLR2;ISLR2;ISLR2
cg08839913	TRUE	0e+00	5.0e-07	SPG11;SPG11
cg27417316	TRUE	0e+00	5.0e-07	FLJ35024;VLDLR;VLDLR
cg07019438	TRUE	0e+00	5.0e-07	EGLN3
cg13868520	TRUE	0e+00	5.0e-07	TNFRSF8
cg04625212	TRUE	0e+00	5.0e-07	CLCN7;CLCN7
cg19816445	TRUE	0e+00	5.0e-07	TUBGCP6
cg07925487	TRUE	0e+00	5.0e-07	SSBP1;FLJ40852
cg02736395	TRUE	0e+00	5.0e-07	
cg05058516	TRUE	0e+00	5.0e-07	ETFDH;C4orf46
cg24554319	TRUE	0e+00	5.0e-07	
cg03784628	TRUE	0e+00	5.0e-07	KCNK4
cg09181644	TRUE	0e+00	5.0e-07	UCP1
cg13806964	TRUE	0e+00	5.0e-07	HCG27
cg00187635	TRUE	0e+00	5.0e-07	OSGIN1;OSGIN1;OSGIN1
cg20746459	TRUE	0e+00	5.0e-07	C1orf125;C1orf125;NPHS2
cg24269276	TRUE	0e+00	5.0e-07	SFRS1;SFRS1
cg22152328	TRUE	0e+00	5.0e-07	MX1;MX1
cg20208990	TRUE	0e+00	5.0e-07	PMEPA1;PMEPA1;PMEPA1
cg19871940	TRUE	0e+00	5.0e-07	
cg25892761	TRUE	0e+00	5.0e-07	RNF213
cg09391032	TRUE	0e+00	5.0e-07	



CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg17859448	TRUE	0e+00	5.0e-07	S1PR1
cg02423534	TRUE	0e+00	5.0e-07	ADCY6;ADCY6
cg06290884	TRUE	0e+00	5.0e-07	
cg25351606	TRUE	0e+00	5.0e-07	
cg11258108	TRUE	0e+00	5.0e-07	SHROOM3
cg14162034	FALSE	0e+00	5.0e-07	
cg21737698	TRUE	0e+00	5.0e-07	KCNH2;KCNH2
cg07012687	TRUE	0e+00	5.0e-07	SLC16A3;SLC16A3;SLC16A3
cg02078558	TRUE	0e+00	5.0e-07	OSBPL6
cg04248234	TRUE	0e+00	5.0e-07	DCBLD1
cg06675190	TRUE	0e+00	5.0e-07	ACAN;ACAN
cg17741106	TRUE	0e+00	5.0e-07	RDH14
cg16803088	TRUE	0e+00	5.0e-07	KSR2
cg04500909	TRUE	0e+00	5.0e-07	
cg07921030	FALSE	0e+00	5.0e-07	
cg08121514	TRUE	0e+00	5.0e-07	
cg24427992	TRUE	0e+00	5.0e-07	
cg03565750	TRUE	0e+00	5.0e-07	PNKP
cg03283048	TRUE	0e+00	5.0e-07	FLYWCH2;FLYWCH2;FLYWCH2
cg20815297	TRUE	0e+00	5.0e-07	
cg19402991	TRUE	0e+00	5.0e-07	
cg22342100	TRUE	0e+00	5.0e-07	KLHL38
cg16844055	TRUE	0e+00	5.0e-07	PMPCB
cg07035659	TRUE	0e+00	5.0e-07	MSX1
cg01055386	TRUE	0e+00	5.0e-07	TMEM132C
cg06148812	TRUE	0e+00	5.0e-07	TBX1;TBX1;TBX1
cg10866623	TRUE	0e+00	5.0e-07	TTLL6
cg04394763	TRUE	0e+00	5.0e-07	DENND4B
cg04499083	TRUE	0e+00	5.0e-07	
cg03711622	TRUE	0e+00	5.0e-07	CBX3;HNRNPA2B1;CBX3;HNRNPA2B1
cg20535794	FALSE	0e+00	5.0e-07	PDGFA;PDGFA
cg11201401	TRUE	0e+00	5.0e-07	SLC6A7
cg25644224	TRUE	0e+00	5.0e-07	PTPRN2;PTPRN2;PTPRN2
cg05551825	TRUE	0e+00	5.0e-07	RNF216;RNF216
cg07897451	TRUE	0e+00	5.0e-07	
cg20188621	TRUE	0e+00	5.0e-07	TAF5
cg15292101	TRUE	0e+00	5.0e-07	CCDC136
cg08514311	TRUE	0e+00	5.0e-07	
cg25221975	TRUE	0e+00	5.0e-07	FBLN2;FBLN2;FBLN2
cg06150772	TRUE	0e+00	5.0e-07	HRNBP3
cg11746996	TRUE	0e+00	5.0e-07	
cg00248174	TRUE	0e+00	5.0e-07	RET;RET
cg27553626	TRUE	0e+00	5.0e-07	PPP1R8;PPP1R8;PPP1R8
cg26621869	TRUE	0e+00	5.0e-07	COG1
cg27120816	TRUE	0e+00	5.0e-07	CDH8
cg14868466	TRUE	0e+00	5.0e-07	DPYSL4
cg04165128	TRUE	0e+00	5.0e-07	PPP2R1A
cg04522792	TRUE	0e+00	5.0e-07	
cg12144304	TRUE	0e+00	5.0e-07	SPINLW1
cg22490907	TRUE	0e+00	5.0e-07	TBX20;TBX20
cg22822383	TRUE	0e+00	5.0e-07	ZNF446
cg04379055	TRUE	0e+00	5.0e-07	HRNBP3

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg07353572	TRUE	0e+00	5.0e-07	CDC7;CDC7;CDC7
cg04616401	TRUE	0e+00	5.0e-07	EGR1
cg24914355	TRUE	0e+00	5.0e-07	HOXD13
cg00275828	TRUE	0e+00	5.0e-07	KRTAP2-4
cg24774154	TRUE	0e+00	5.0e-07	NAT10;NAT10
cg13859478	FALSE	0e+00	5.0e-07	CANX;CANX
cg08230177	TRUE	0e+00	5.0e-07	
cg13070632	TRUE	0e+00	5.0e-07	
cg21233878	TRUE	0e+00	5.0e-07	KIAA0020
cg06342110	TRUE	0e+00	5.0e-07	AGPAT5;AGPAT5
cg15724534	TRUE	0e+00	5.0e-07	C2orf67
cg27054655	TRUE	0e+00	5.0e-07	ADAMTS2;ADAMTS2
cg26217588	TRUE	0e+00	5.0e-07	
cg08180187	TRUE	0e+00	5.0e-07	SOD3
cg22247188	TRUE	0e+00	5.0e-07	H2AFY2
cg04890495	TRUE	0e+00	5.0e-07	MCAM
cg19489509	TRUE	0e+00	5.0e-07	
cg18039847	TRUE	0e+00	5.0e-07	HDAC11;HDAC11
cg08015496	TRUE	0e+00	5.0e-07	NCSTN;COPA;COPA
cg22373508	TRUE	0e+00	5.0e-07	P2RX2;P2RX2;P2RX2;P2RX2;P2RX2;P2RX2
cg16294013	TRUE	0e+00	5.0e-07	PDE4B;PDE4B
cg10436410	TRUE	0e+00	5.0e-07	MDFIC;MDFIC;MDFIC
cg18297705	TRUE	0e+00	5.0e-07	
cg04029027	TRUE	0e+00	5.0e-07	MEST
cg18378955	TRUE	0e+00	5.0e-07	
cg17343184	TRUE	0e+00	5.0e-07	
cg08467299	TRUE	0e+00	5.0e-07	NCRNA00081;NCRNA00081;NCRNA00081;NCRNA00081;SHOC2;NCRNA00081
cg04087742	TRUE	0e+00	5.0e-07	
cg04482794	TRUE	0e+00	5.0e-07	ITPKB
cg09917029	TRUE	0e+00	5.0e-07	
cg00571354	TRUE	0e+00	5.0e-07	KCNH2;KCNH2
cg12598235	TRUE	0e+00	5.0e-07	LOC254559
cg00106250	TRUE	0e+00	5.0e-07	NCL
cg08212545	TRUE	0e+00	5.0e-07	
cg23518541	TRUE	0e+00	5.0e-07	RARB;RARB
cg05658858	TRUE	0e+00	5.0e-07	TUBGCP2;ZNF511
cg06746074	TRUE	0e+00	5.0e-07	CHMP2B
cg21555099	TRUE	0e+00	5.0e-07	ZBTB16;ZBTB16
cg26541867	TRUE	0e+00	5.0e-07	KIAA1239
cg09865593	TRUE	0e+00	5.0e-07	PRKAR1B;PRKAR1B;PRKAR1B;PRKAR1B;PRKAR1B;PRKAR1B
cg20341985	TRUE	0e+00	5.0e-07	
cg12257341	FALSE	0e+00	5.0e-07	HADHA;HADHB;HADHB
cg16598679	TRUE	0e+00	5.0e-07	
cg23704770	TRUE	0e+00	5.0e-07	LMO3;LMO3
cg01943813	TRUE	0e+00	5.0e-07	ALDH5A1;ALDH5A1
cg13215285	TRUE	0e+00	5.0e-07	HSPG2
cg10244994	TRUE	0e+00	5.0e-07	
cg08130144	TRUE	0e+00	5.0e-07	
cg06560309	TRUE	0e+00	5.0e-07	HMGN1
cg11092487	TRUE	0e+00	5.0e-07	MYH7B
cg03278146	TRUE	0e+00	5.0e-07	LOC642597
cg10043037	TRUE	0e+00	5.0e-07	FERD3L

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg18069125	TRUE	0e+00	5.0e-07	
cg26069745	TRUE	0e+00	5.0e-07	HOXA2;HOXA2
cg06155314	TRUE	0e+00	5.0e-07	WDR62;THAP8;WDR62;THAP8
cg24429727	TRUE	0e+00	5.0e-07	
cg08611430	FALSE	0e+00	5.0e-07	EGR1
cg02307664	TRUE	0e+00	5.0e-07	
cg17419935	TRUE	0e+00	5.0e-07	MPZL1;MPZL1;MPZL1
cg19907964	TRUE	0e+00	5.0e-07	TCFL5
cg22809017	TRUE	0e+00	5.0e-07	FAM196B;DOCK2
cg02232641	TRUE	0e+00	5.0e-07	
cg23713724	TRUE	0e+00	5.0e-07	KCNIP4;KCNIP4;KCNIP4;KCNIP4
cg07855083	TRUE	0e+00	5.0e-07	SATB2
cg26795248	TRUE	0e+00	5.0e-07	VWA1;VWA1
cg27189986	TRUE	0e+00	5.0e-07	KCNAB1;KCNAB1;KCNAB1
cg25769883	TRUE	0e+00	5.0e-07	WFDC3;DNTTIP1
cg16692998	FALSE	0e+00	5.0e-07	LPAR2
cg05045343	FALSE	0e+00	5.0e-07	C2orf62
cg00692780	TRUE	0e+00	5.0e-07	EPHA4
cg02381390	TRUE	0e+00	5.0e-07	KCNIP4;KCNIP4;KCNIP4;KCNIP4;KCNIP4;KCNIP4
cg09949429	TRUE	0e+00	5.0e-07	NAA25
cg04208928	TRUE	0e+00	5.0e-07	LIN9
cg17322444	FALSE	0e+00	5.0e-07	GPATCH1
cg18767003	FALSE	0e+00	5.0e-07	LOC388796;SNORA71D;LOC388796
cg04917197	TRUE	0e+00	5.0e-07	
cg19074533	TRUE	0e+00	5.0e-07	NANP
cg00080118	TRUE	0e+00	5.0e-07	CCHCR1;CCHCR1;TCF19;TCF19;CCHCR1
cg06130144	TRUE	0e+00	5.0e-07	MEN1;MEN1;MEN1;MEN1;MEN1;MEN1;MEN1;MEN1
cg03313654	TRUE	0e+00	5.0e-07	PRR25
cg12666165	TRUE	0e+00	5.0e-07	VENTX
cg05360477	TRUE	0e+00	5.0e-07	
cg12017635	TRUE	0e+00	5.0e-07	TPH2
cg15959205	TRUE	0e+00	5.0e-07	TTC7B
cg05336550	FALSE	0e+00	5.0e-07	PGAM1
cg04007931	TRUE	0e+00	5.0e-07	MANF
cg24263283	TRUE	0e+00	5.0e-07	MYO1E
cg02177951	TRUE	0e+00	5.0e-07	
cg03575602	TRUE	0e+00	5.0e-07	CAMK1D;CAMK1D
cg08886494	TRUE	0e+00	5.0e-07	ABLIM2;ABLIM2;ABLIM2;ABLIM2;ABLIM2;ABLIM2;ABLIM2
cg07086492	TRUE	0e+00	5.0e-07	ANO8
cg25033364	TRUE	0e+00	5.0e-07	KCNC1;KCNC1
cg04069277	TRUE	0e+00	5.0e-07	PRR14
cg05068452	TRUE	0e+00	5.0e-07	UGT8
cg06008062	TRUE	0e+00	5.0e-07	PLEKHB1;PLEKHB1;PLEKHB1;PLEKHB1;PLEKHB1
cg18724037	TRUE	0e+00	5.0e-07	GABRA5;GABRA5
cg07851057	FALSE	0e+00	5.0e-07	BDP1;BDP1
cg09127759	TRUE	0e+00	5.0e-07	
cg10456990	TRUE	0e+00	6.0e-07	SIM2;SIM2
cg14975064	TRUE	0e+00	6.0e-07	RBM14
cg07586026	TRUE	0e+00	6.0e-07	
cg08029231	TRUE	0e+00	6.0e-07	HCCA2
cg17888249	FALSE	0e+00	6.0e-07	NEK11;NEK11;ASTE1;ASTE1;NEK11
cg04579203	FALSE	0e+00	6.0e-07	LOC339524;LOC339524;LOC339524;LOC339524;LOC339524

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg11813976	TRUE	0e+00	6.0e-07	EBF2
cg01290580	TRUE	0e+00	6.0e-07	MARK3;MARK3;MARK3;MARK3;MARK3
cg11508595	TRUE	0e+00	6.0e-07	MYO1B;MYO1B;MYO1B
cg02470043	TRUE	0e+00	6.0e-07	STARD10
cg23843953	TRUE	0e+00	6.0e-07	GALNT2
cg16401490	FALSE	0e+00	6.0e-07	CASZ1
cg20048109	TRUE	0e+00	6.0e-07	MAGI2
cg25957967	TRUE	0e+00	6.0e-07	PCSK9
cg25481454	TRUE	0e+00	6.0e-07	SCGB1D1
cg08184792	TRUE	0e+00	6.0e-07	
cg02396116	TRUE	0e+00	6.0e-07	
cg04565201	TRUE	0e+00	6.0e-07	MIR759
cg22153463	TRUE	0e+00	6.0e-07	MCOLN2
cg12152443	TRUE	0e+00	6.0e-07	TRIM31
cg12482260	TRUE	0e+00	6.0e-07	NDUFAF4
cg19373760	TRUE	0e+00	6.0e-07	
cg06398474	TRUE	0e+00	6.0e-07	HDAC4
cg10692870	TRUE	0e+00	6.0e-07	FN1;FN1;FN1;FN1;FN1;FN1;FN1
cg08714753	TRUE	0e+00	6.0e-07	FJX1
cg13460378	TRUE	0e+00	6.0e-07	
cg22058112	FALSE	0e+00	6.0e-07	TMEM87A;TMEM87A;GANC
cg15229943	TRUE	0e+00	6.0e-07	
cg24183338	TRUE	0e+00	6.0e-07	HRNBP3
cg07069844	TRUE	0e+00	6.0e-07	TCF3;TCF3
cg00751501	TRUE	0e+00	6.0e-07	WFDC1
cg23230362	TRUE	0e+00	6.0e-07	PDZD3;PDZD3
cg06064297	TRUE	0e+00	6.0e-07	PARN;PARN
cg06138439	TRUE	0e+00	6.0e-07	
cg01567783	TRUE	0e+00	6.0e-07	
cg24394631	TRUE	0e+00	6.0e-07	CRHR1;CRHR1;CRHR1;CRHR1
cg11584332	TRUE	0e+00	6.0e-07	
cg19016694	TRUE	0e+00	6.0e-07	TBCD
cg07548925	FALSE	0e+00	6.0e-07	RARA;RARA;RARA
cg08361238	TRUE	0e+00	6.0e-07	PTGFRN
cg08373528	TRUE	0e+00	6.0e-07	PRPH2
cg07047963	TRUE	0e+00	6.0e-07	HCRTR1
cg04986004	TRUE	0e+00	6.0e-07	MIR874;KLHL3
cg03259494	TRUE	0e+00	6.0e-07	PHOSPHO1;PHOSPHO1
cg02417427	TRUE	0e+00	6.0e-07	SERINC5
cg10314909	FALSE	0e+00	6.0e-07	MMEL1
cg25940949	TRUE	0e+00	6.0e-07	RGL2;RGL2
cg10074775	TRUE	0e+00	6.0e-07	ZFHX4;LOC100192378
cg00804995	TRUE	0e+00	6.0e-07	ESRRG;ESRRG;ESRRG
cg07301242	TRUE	0e+00	6.0e-07	BICD1;BICD1
cg04422985	FALSE	0e+00	6.0e-07	
cg26208930	TRUE	0e+00	6.0e-07	TP73;TP73;TP73;TP73;TP73;TP73;TP73
cg00334821	TRUE	0e+00	6.0e-07	LIMK1
cg13232021	TRUE	0e+00	6.0e-07	KPNA6
cg10573018	TRUE	0e+00	6.0e-07	RSPO1
cg14553243	TRUE	0e+00	6.0e-07	CYP27A1;CYP27A1
cg09595275	TRUE	0e+00	6.0e-07	
cg05845217	TRUE	0e+00	6.0e-07	

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg08142858	TRUE	0e+00	6.0e-07	
cg08795149	TRUE	0e+00	6.0e-07	
cg20110780	TRUE	0e+00	6.0e-07	EIF3E
cg11332388	TRUE	0e+00	6.0e-07	PPCS;ZMYND12;ZMYND12;PPCS
cg20043679	TRUE	0e+00	6.0e-07	LOC388965
cg00659931	TRUE	0e+00	6.0e-07	PCSK6;PCSK6;PCSK6;PCSK6;PCSK6;PCSK6;PCSK6;PCSK6
cg20094435	TRUE	0e+00	6.0e-07	RGS2;RGS2
cg20894686	TRUE	0e+00	6.0e-07	TFAP2B
cg23024136	TRUE	0e+00	6.0e-07	
cg00912738	TRUE	0e+00	6.0e-07	
cg26618587	TRUE	0e+00	6.0e-07	
cg07471962	TRUE	0e+00	6.0e-07	GCH1;GCH1;GCH1;GCH1
cg08968635	TRUE	0e+00	6.0e-07	ZNF389;ZNF389
cg21646199	TRUE	0e+00	6.0e-07	NHLH2;NHLH2
cg23180891	FALSE	0e+00	6.0e-07	
cg14631834	TRUE	0e+00	6.0e-07	DSC3;DSC3
cg06323023	TRUE	0e+00	6.0e-07	HIST1H4L;HIST1H3I
cg05552814	TRUE	0e+00	6.0e-07	
cg14582763	TRUE	0e+00	6.0e-07	ZNF578
cg27116912	TRUE	0e+00	6.0e-07	EVX2
cg05324982	TRUE	0e+00	6.0e-07	HS3ST3B1
cg26912251	TRUE	0e+00	6.0e-07	SMOC2;SMOC2
cg15485817	FALSE	0e+00	6.0e-07	FAM195B;FAM195B
cg26824850	TRUE	0e+00	6.0e-07	OPLAH
cg01339558	TRUE	0e+00	6.0e-07	TIPRL;TIPRL
cg07751331	TRUE	0e+00	6.0e-07	KIF3C
cg13192836	TRUE	0e+00	6.0e-07	HAS2AS;HAS2
cg19544372	TRUE	0e+00	6.0e-07	ZNF560
cg01340347	TRUE	0e+00	6.0e-07	C5orf47
cg06039355	TRUE	0e+00	6.0e-07	GFRA1;GFRA1;GFRA1
cg20979799	TRUE	0e+00	6.0e-07	RFX6
cg22124117	TRUE	0e+00	6.0e-07	CDAN1
cg24435884	TRUE	0e+00	6.0e-07	C1orf94;C1orf94
cg08853318	TRUE	0e+00	6.0e-07	SLC39A11;SLC39A11
cg02794184	TRUE	0e+00	6.0e-07	
cg23621893	FALSE	0e+00	6.0e-07	ALG12;CRELD2;CRELD2
cg25549459	TRUE	0e+00	6.0e-07	POU3F3
cg21926626	TRUE	0e+00	6.0e-07	TSNARE1
cg08160085	TRUE	0e+00	6.0e-07	
cg20461188	TRUE	0e+00	6.0e-07	
cg07744430	TRUE	0e+00	6.0e-07	
cg08506743	TRUE	0e+00	6.0e-07	NTM;NTM;NTM;NTM
cg09139128	TRUE	0e+00	6.0e-07	PACSIN1
cg05166820	TRUE	0e+00	6.0e-07	HMGCLL1;HMGCLL1
cg07870914	TRUE	0e+00	6.0e-07	
cg04849878	TRUE	0e+00	6.0e-07	FGFR4;FGFR4;FGFR4
cg11611097	TRUE	0e+00	6.0e-07	
cg25322489	TRUE	0e+00	6.0e-07	PTPRN2;PTPRN2;PTPRN2
cg02038558	TRUE	0e+00	6.0e-07	
cg07898764	TRUE	0e+00	6.0e-07	CUX1;CUX1;CUX1
cg12984086	TRUE	0e+00	6.0e-07	GOLGA4
cg15719126	FALSE	0e+00	6.0e-07	MAPK8IP1

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg07092145	TRUE	0e+00	6.0e-07	
cg24630419	TRUE	0e+00	6.0e-07	ESRRG
cg25246745	TRUE	0e+00	6.0e-07	PDZD7;SFXN3;SFXN3
cg09504080	TRUE	0e+00	6.0e-07	LOC387763;LOC387763
cg07853246	TRUE	0e+00	6.0e-07	INPP4B;INPP4B
cg13924998	TRUE	0e+00	6.0e-07	
cg13446210	TRUE	0e+00	6.0e-07	PHC2;PHC2
cg19645734	FALSE	0e+00	6.0e-07	TUBA1A
cg02746869	TRUE	0e+00	6.0e-07	VIM
cg00021242	TRUE	0e+00	6.0e-07	FAM189A1
cg11844087	TRUE	0e+00	6.0e-07	PTPRN2;PTPRN2;PTPRN2
cg01219347	TRUE	0e+00	6.0e-07	
cg11418177	TRUE	0e+00	6.0e-07	IL15;IL15
cg00028507	TRUE	0e+00	6.0e-07	
cg15357078	FALSE	0e+00	6.0e-07	WDR86
cg01615018	TRUE	0e+00	6.0e-07	HOXC9
cg16250800	FALSE	0e+00	6.0e-07	KRTAP4-8;KRTAP4-8
cg11991859	TRUE	0e+00	6.0e-07	NPAS3;NPAS3;NPAS3;NPAS3
cg17047829	TRUE	0e+00	6.0e-07	PLCE1;PLCE1
cg20716945	TRUE	0e+00	6.0e-07	USP38;USP38
cg26156256	TRUE	0e+00	6.0e-07	
cg18181787	TRUE	0e+00	6.0e-07	
cg16404040	TRUE	0e+00	6.0e-07	
cg16134070	TRUE	0e+00	6.0e-07	PLA2G2C
cg17797815	TRUE	0e+00	6.0e-07	CASC2;RAB11FIP2;CASC2;CASC2
cg05315443	TRUE	0e+00	6.0e-07	HMGA2;HMGA2;RPSAP52;HMGA2;HMGA2
cg21188820	TRUE	0e+00	6.0e-07	
cg12593223	TRUE	0e+00	6.0e-07	
cg14473662	TRUE	0e+00	6.0e-07	LMX1B
cg01563465	TRUE	0e+00	6.0e-07	
cg12082302	TRUE	0e+00	6.0e-07	ACOT7;ACOT7;ACOT7
cg11342331	TRUE	0e+00	6.0e-07	
cg06245037	TRUE	0e+00	6.0e-07	ALX4
cg18563642	TRUE	0e+00	6.0e-07	CACNA2D3
cg09280770	TRUE	0e+00	6.0e-07	
cg14841011	TRUE	0e+00	6.0e-07	PRDM16;PRDM16
cg00373020	FALSE	0e+00	6.0e-07	KIF17;KIF17
cg16438688	TRUE	0e+00	6.0e-07	NTRK1;INSRR
cg20636254	FALSE	0e+00	6.0e-07	PSMA1;PSMA1;PSMA1
cg21048874	FALSE	0e+00	6.0e-07	MYADM;MYADM;MYADM;MYADM;MYADM
cg02289189	TRUE	0e+00	6.0e-07	PHF11;PHF11;PHF11
cg18579875	TRUE	0e+00	6.0e-07	IGFBP5
cg26505158	TRUE	0e+00	6.0e-07	
cg04566660	TRUE	0e+00	6.0e-07	CCRN4L
cg09446806	TRUE	0e+00	6.0e-07	
cg27257987	TRUE	0e+00	6.0e-07	PSG4;PSG4
cg14306261	TRUE	0e+00	6.0e-07	ENPP1
cg07079421	TRUE	0e+00	6.0e-07	CELSR1
cg08092393	TRUE	0e+00	6.0e-07	ZBTB25;ZBTB1;ZBTB1
cg12621514	TRUE	0e+00	6.0e-07	DKK1
cg05930881	TRUE	0e+00	6.0e-07	GATA4
cg13959831	TRUE	0e+00	6.0e-07	PAX5

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg08757448	TRUE	0e+00	6.0e-07	C10orf32;C10orf32
cg08226379	TRUE	0e+00	6.0e-07	
cg00146676	TRUE	0e+00	6.0e-07	
cg12461368	TRUE	0e+00	6.0e-07	BCL2;BCL2
cg22095582	TRUE	0e+00	6.0e-07	C15orf42
cg23687960	TRUE	0e+00	6.0e-07	GGH
cg12496657	TRUE	0e+00	6.0e-07	
cg23088430	TRUE	0e+00	6.0e-07	EEF1D;EEF1D;EEF1D;EEF1D;EEF1D;TIGD5;EEF1D;EEF1D;EEF1D
cg08261858	TRUE	0e+00	6.0e-07	SCCPDH
cg06601071	TRUE	0e+00	6.0e-07	
cg17112975	TRUE	0e+00	6.0e-07	SEPT9;SEPT9;SEPT9;SEPT9;SEPT9
cg09157668	TRUE	0e+00	6.0e-07	KIAA1239
cg00696901	TRUE	0e+00	6.0e-07	MAGI3;MAGI3
cg22012835	FALSE	0e+00	6.0e-07	ZNF224
cg16214573	FALSE	0e+00	6.0e-07	OAF;OAF
cg14986215	TRUE	0e+00	6.0e-07	EXOC6
cg19738924	TRUE	0e+00	6.0e-07	KCTD1;KCTD1;KCTD1
cg16344442	TRUE	0e+00	6.0e-07	TMCC3
cg10613381	TRUE	0e+00	6.0e-07	C22orf45;C22orf45;UPB1
cg23166955	TRUE	0e+00	6.0e-07	ALDOA;ALDOA;ALDOA;ALDOA;ALDOA
cg16407471	TRUE	0e+00	6.0e-07	MIR129-2
cg13369668	TRUE	0e+00	6.0e-07	KIF20B
cg16293959	TRUE	0e+00	6.0e-07	
cg19596227	TRUE	0e+00	6.0e-07	
cg16476639	TRUE	0e+00	6.0e-07	RBM25
cg14999852	TRUE	0e+00	6.0e-07	LZTFL1;LZTFL1
cg00123072	TRUE	0e+00	6.0e-07	THBS4
cg12547166	TRUE	0e+00	6.0e-07	ZNF876P
cg21740146	TRUE	0e+00	6.0e-07	ZNF695;ZNF695
cg05324368	TRUE	0e+00	6.0e-07	ABHD12;ABHD12
cg12736206	TRUE	0e+00	6.0e-07	ZC3H11A
cg18822544	TRUE	0e+00	6.0e-07	KRTAP26-1;KRTAP26-1
cg06030619	FALSE	0e+00	6.0e-07	CORO1A
cg10233904	TRUE	0e+00	6.0e-07	
cg01818579	TRUE	0e+00	6.0e-07	RBM38;RBM38
cg09461395	TRUE	0e+00	6.0e-07	OTOP2;USH1G
cg27537203	TRUE	0e+00	6.0e-07	POU3F1
cg21821214	TRUE	0e+00	6.0e-07	
cg25902627	TRUE	0e+00	6.0e-07	CTSC;CTSC;CTSC
cg21370527	FALSE	0e+00	6.0e-07	
cg00112780	FALSE	0e+00	6.0e-07	HIST3H2BB;HIST3H2A
cg08275602	FALSE	0e+00	6.0e-07	TMTTC1
cg09500430	TRUE	0e+00	6.0e-07	ZNF529;ZNF529;ZNF529
cg16041686	TRUE	0e+00	6.0e-07	
cg16987754	TRUE	0e+00	6.0e-07	
cg06605704	TRUE	0e+00	6.0e-07	HMOX2;HMOX2;HMOX2;HMOX2
cg00823783	FALSE	0e+00	6.0e-07	SEC14L5
cg22857872	TRUE	0e+00	6.0e-07	NDUFS5
cg23974249	TRUE	0e+00	6.0e-07	DYNLL1;DYNLL1;DYNLL1
cg14006663	TRUE	0e+00	6.0e-07	PITRM1
cg25391815	TRUE	0e+00	6.0e-07	
cg12029804	TRUE	0e+00	6.0e-07	KRT222;KRT222

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg03065822	FALSE	0e+00	6.0e-07	RIF1
cg15150274	FALSE	0e+00	6.0e-07	FUT10
cg21947394	TRUE	0e+00	6.0e-07	
cg24664590	TRUE	0e+00	6.0e-07	NOC2L
cg01325409	TRUE	0e+00	6.0e-07	SLC24A5
cg05976955	TRUE	0e+00	6.0e-07	
cg22169427	TRUE	0e+00	6.0e-07	UPK3B;UPK3B
cg02247463	FALSE	0e+00	6.0e-07	LRRC27;LRRC27;LRRC27;LRRC27
cg15543489	TRUE	0e+00	6.0e-07	PGLYRP1
cg00874990	TRUE	0e+00	6.0e-07	
cg14307443	TRUE	0e+00	6.0e-07	GALNTL6
cg18921183	TRUE	0e+00	7.0e-07	NCAPD2;MRPL51
cg25718365	TRUE	0e+00	7.0e-07	
cg06551476	TRUE	0e+00	7.0e-07	
cg12612807	FALSE	0e+00	7.0e-07	INTS1
cg05393741	TRUE	0e+00	7.0e-07	RFX4
cg01768342	TRUE	0e+00	7.0e-07	CATSPER4
cg03228943	FALSE	0e+00	7.0e-07	LOC150185
cg25615068	TRUE	0e+00	7.0e-07	C12orf43
cg08839312	TRUE	0e+00	7.0e-07	CDH15
cg01329309	TRUE	0e+00	7.0e-07	SDC2
cg15297110	TRUE	0e+00	7.0e-07	CXXC4
cg21155461	TRUE	0e+00	7.0e-07	ZNF544;ZNF544
cg23912454	TRUE	0e+00	7.0e-07	GUCY1A3;GUCY1A3;GUCY1A3;GUCY1A3;GUCY1A3;GUCY1A3;GUCY1A3;GUCY1A3;GUCY1A3;GUCY1A3
cg20659418	TRUE	0e+00	7.0e-07	
cg08807097	TRUE	0e+00	7.0e-07	TBX5;TBX5;TBX5
cg23924413	TRUE	0e+00	7.0e-07	TMEM2;TMEM2
cg02331808	TRUE	0e+00	7.0e-07	APBA2;APBA2
cg09688763	TRUE	0e+00	7.0e-07	VTI1A;ZDHHC6;VTI1A
cg24869601	TRUE	0e+00	7.0e-07	TFAP2A;TFAP2A
cg20544562	TRUE	0e+00	7.0e-07	HIVEP1
cg25645064	TRUE	0e+00	7.0e-07	
cg14410016	TRUE	0e+00	7.0e-07	HOXD9
cg12548227	TRUE	0e+00	7.0e-07	USP42
cg08384146	TRUE	0e+00	7.0e-07	TBC1D16
cg20367329	TRUE	0e+00	7.0e-07	RASD1
cg10933003	TRUE	0e+00	7.0e-07	HAND2
cg00974466	TRUE	0e+00	7.0e-07	LOC286016;TNPO3;TNPO3
cg16165258	TRUE	0e+00	7.0e-07	OSBPL8;OSBPL8
cg25212453	TRUE	0e+00	7.0e-07	SLC43A2
cg05656180	TRUE	0e+00	7.0e-07	KCNQ1DN
cg02973171	TRUE	0e+00	7.0e-07	FAM181B
cg07154931	FALSE	0e+00	7.0e-07	RAD54B;RAD54B
cg14621103	TRUE	0e+00	7.0e-07	C7orf50;C7orf50;C7orf50
cg01654446	TRUE	0e+00	7.0e-07	TAPBP;TAPBP;TAPBP
cg00805619	TRUE	0e+00	7.0e-07	INPP5A
cg24884703	TRUE	0e+00	7.0e-07	
cg10395448	TRUE	0e+00	7.0e-07	GJB6;GJB6;GJB6;GJB6
cg04001307	TRUE	0e+00	7.0e-07	CPLX1
cg04752257	TRUE	0e+00	7.0e-07	TOMM20L
cg00328597	TRUE	0e+00	7.0e-07	ACTN2
cg06647562	FALSE	0e+00	7.0e-07	GFI1;GFI1;GFI1



CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg06473181	TRUE	0e+00	7.0e-07	HOXD12
cg10053339	TRUE	0e+00	7.0e-07	
cg18225536	TRUE	0e+00	7.0e-07	IPO4
cg12245084	TRUE	0e+00	7.0e-07	ODZ4
cg24535475	TRUE	0e+00	7.0e-07	C1S;C1S
cg15638207	TRUE	0e+00	7.0e-07	LYRM4;FARS2;LYRM4;LYRM4
cg25453430	TRUE	0e+00	7.0e-07	SETD4;SETD4
cg00316839	TRUE	0e+00	7.0e-07	
cg04621893	TRUE	0e+00	7.0e-07	
cg16451455	TRUE	0e+00	7.0e-07	
cg10504365	TRUE	0e+00	7.0e-07	TRIM67
cg19255241	TRUE	0e+00	7.0e-07	OR2W3
cg00891459	TRUE	0e+00	7.0e-07	HNRNPR;HNRNPR;HNRNPR;HNRNPR
cg17314228	TRUE	0e+00	7.0e-07	
cg12844784	TRUE	0e+00	7.0e-07	FREM2
cg17091361	TRUE	0e+00	7.0e-07	TEKT3
cg22555472	TRUE	0e+00	7.0e-07	PRDX2;PRDX2
cg06700275	TRUE	0e+00	7.0e-07	C1QTNF1;C1QTNF1;C1QTNF1
cg19414967	TRUE	0e+00	7.0e-07	
cg03658557	TRUE	0e+00	7.0e-07	BMPR1B
cg05572456	TRUE	0e+00	7.0e-07	
cg09814877	FALSE	0e+00	7.0e-07	ACPT
cg03609960	TRUE	0e+00	7.0e-07	ANKS1B;ANKS1B;ANKS1B
cg09652746	TRUE	0e+00	7.0e-07	E2F4;EXOC3L
cg04713531	TRUE	0e+00	7.0e-07	PTPRN2;PTPRN2;PTPRN2
cg03703833	TRUE	0e+00	7.0e-07	CTR9
cg00567382	TRUE	0e+00	7.0e-07	
cg12727018	TRUE	0e+00	7.0e-07	LOC100271722
cg02452552	TRUE	0e+00	7.0e-07	
cg20570458	TRUE	0e+00	7.0e-07	KALRN;KALRN
cg08644463	TRUE	0e+00	7.0e-07	GNAI3
cg23781398	TRUE	0e+00	7.0e-07	ATP12A
cg17399545	TRUE	0e+00	7.0e-07	KITLG;KITLG
cg16934127	TRUE	0e+00	7.0e-07	HCCA2;LOC402778
cg16384774	TRUE	0e+00	7.0e-07	FOXN3;FOXN3
cg21652323	TRUE	0e+00	7.0e-07	
cg10136473	TRUE	0e+00	7.0e-07	
cg05226283	TRUE	0e+00	7.0e-07	LOC554202
cg00502017	TRUE	0e+00	7.0e-07	LOC283761;LOC283761;LOC283761;LOC283761
cg21727532	TRUE	0e+00	7.0e-07	CLVS2
cg14356190	TRUE	0e+00	7.0e-07	FREM1
cg04551440	TRUE	0e+00	7.0e-07	KATNAL1;KATNAL1
cg20383558	TRUE	0e+00	7.0e-07	MATR3;MATR3
cg13014558	TRUE	0e+00	7.0e-07	CD6
cg23305899	TRUE	0e+00	7.0e-07	
cg11353792	TRUE	0e+00	7.0e-07	LOC284379
cg10401088	TRUE	0e+00	7.0e-07	LUM;LUM
cg00197058	TRUE	0e+00	7.0e-07	TBX4
cg27207597	FALSE	0e+00	7.0e-07	RAB11FIP3;RAB11FIP3
cg07123227	TRUE	0e+00	7.0e-07	WRN;PURG;PURG;PURG;WRN
cg13782561	TRUE	0e+00	7.0e-07	NFIL3
cg27139424	TRUE	0e+00	7.0e-07	

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg15266508	TRUE	0e+00	7.0e-07	COL9A3
cg16303129	TRUE	0e+00	7.0e-07	
cg13505469	TRUE	0e+00	7.0e-07	LOC219347;LOC219347;C10orf57;LOC219347;LOC219347;LOC219347
cg04926767	TRUE	0e+00	7.0e-07	GNG3;BSCL2;BSCL2
cg15859189	TRUE	0e+00	7.0e-07	MAGI1;MAGI1;MAGI1
cg20474675	TRUE	0e+00	7.0e-07	C11orf58;C11orf58
cg19339811	FALSE	0e+00	7.0e-07	RACGAP1;RACGAP1;RACGAP1
cg19026306	TRUE	0e+00	7.0e-07	KIAA1539
cg20435474	TRUE	0e+00	7.0e-07	
cg18965659	FALSE	0e+00	7.0e-07	RAB40B
cg20493718	TRUE	0e+00	7.0e-07	CSNK1D;CSNK1D
cg11874760	TRUE	0e+00	7.0e-07	CD83;CD83
cg22602592	TRUE	0e+00	7.0e-07	COL20A1
cg02290110	TRUE	0e+00	7.0e-07	SHC2
cg23350385	TRUE	0e+00	7.0e-07	CCRL2;CCRL2
cg23991388	TRUE	0e+00	7.0e-07	ADAMTS17
cg19008099	FALSE	0e+00	7.0e-07	DDAH2
cg08983133	TRUE	0e+00	7.0e-07	
cg10292430	TRUE	0e+00	7.0e-07	RGS10;RGS10
cg00960552	TRUE	0e+00	7.0e-07	NHLH2;NHLH2
cg03723247	FALSE	0e+00	7.0e-07	
cg27169278	FALSE	0e+00	7.0e-07	SCUBE3
cg18348142	TRUE	0e+00	7.0e-07	AMIGO2;AMIGO2
cg25575065	FALSE	0e+00	7.0e-07	ARSA;ARSA;ARSA;ARSA;ARSA;ARSA;ARSA;ARSA;ARSA
cg09062198	FALSE	0e+00	7.0e-07	CLSTN1;CLSTN1
cg21301805	TRUE	0e+00	7.0e-07	
cg18073151	FALSE	0e+00	7.0e-07	JUB
cg02179239	FALSE	0e+00	7.0e-07	PIP4K2A
cg25251204	TRUE	0e+00	7.0e-07	
cg20859731	TRUE	0e+00	7.0e-07	
cg00560747	TRUE	0e+00	7.0e-07	
cg09430738	TRUE	0e+00	7.0e-07	
cg00606841	TRUE	0e+00	7.0e-07	WRB
cg13989999	TRUE	0e+00	7.0e-07	BCL2L1;BCL2L1
cg05595345	TRUE	0e+00	7.0e-07	ARRDC4
cg23768073	TRUE	0e+00	7.0e-07	
cg23926436	TRUE	0e+00	7.0e-07	
cg25974442	FALSE	0e+00	7.0e-07	MAST3
cg14319235	TRUE	0e+00	7.0e-07	ELTD1
cg10824063	TRUE	0e+00	7.0e-07	NELL1;NELL1
cg04347582	TRUE	0e+00	7.0e-07	GATA2;GATA2;GATA2
cg21638712	TRUE	0e+00	7.0e-07	HMBS;HMBS
cg01092811	TRUE	0e+00	7.0e-07	NUDT16
cg14345069	TRUE	0e+00	7.0e-07	UFSP2;UFSP2
cg04405332	FALSE	0e+00	7.0e-07	ADCY10;ADCY10
cg20539321	TRUE	0e+00	7.0e-07	LOC219347;LOC219347;C10orf57;LOC219347;LOC219347;LOC219347
cg11191337	TRUE	0e+00	7.0e-07	PLTP;PLTP
cg05575921	TRUE	0e+00	7.0e-07	AHRR
cg04034539	TRUE	0e+00	7.0e-07	C11orf48;C11orf83
cg18297491	TRUE	0e+00	7.0e-07	GNB2L1;SNORD96A;SNORD95
cg09681202	TRUE	0e+00	7.0e-07	
cg18345456	TRUE	0e+00	7.0e-07	PROX1

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg05978546	TRUE	0e+00	7.0e-07	FNIP1;FNIP1;FNIP1;FNIP1
cg04822748	TRUE	0e+00	7.0e-07	HOXA11AS;HOXA11
cg13883671	TRUE	0e+00	7.0e-07	
cg03751906	TRUE	0e+00	7.0e-07	SLC15A4
cg10821261	TRUE	0e+00	7.0e-07	
cg26525950	TRUE	0e+00	7.0e-07	ZNF565;ZNF146;ZNF146;ZNF146;ZNF565
cg07700234	TRUE	0e+00	7.0e-07	PPM1L
cg11335436	FALSE	0e+00	7.0e-07	CCS;CCDC87
cg18435449	TRUE	0e+00	7.0e-07	ZIK1
cg19715557	TRUE	0e+00	7.0e-07	SIX1
cg00951597	TRUE	0e+00	7.0e-07	NOS1AP;NOS1AP
cg21546057	TRUE	0e+00	7.0e-07	FIBP;FIBP
cg14020846	TRUE	0e+00	7.0e-07	
cg27550998	TRUE	0e+00	7.0e-07	GCM1
cg25742201	TRUE	0e+00	7.0e-07	AATF
cg22021357	TRUE	0e+00	7.0e-07	
cg16006701	TRUE	0e+00	7.0e-07	MYLK4
cg01039876	TRUE	0e+00	7.0e-07	TGM5;TGM5
cg09721380	TRUE	0e+00	7.0e-07	HAS3;HAS3
cg24697075	TRUE	0e+00	7.0e-07	NPPB
cg24133115	TRUE	0e+00	7.0e-07	PDE10A;PDE10A;PDE10A;PDE10A
cg01337931	TRUE	0e+00	7.0e-07	SLC5A4
cg16488565	TRUE	0e+00	7.0e-07	EGFR;EGFR;EGFR;EGFR
cg27006914	TRUE	0e+00	7.0e-07	RNF216;RNF216
cg27194182	TRUE	0e+00	7.0e-07	
cg20767025	TRUE	0e+00	7.0e-07	CCDC136
cg15188010	TRUE	0e+00	7.0e-07	ZIC2
cg00693157	TRUE	0e+00	7.0e-07	CES7;CES7
cg26851107	TRUE	0e+00	7.0e-07	SHANK2;SHANK2
cg02699898	FALSE	0e+00	7.0e-07	ATP11A;ATP11A
cg12809842	TRUE	0e+00	7.0e-07	PIGX;PIGX;C3orf34;C3orf34
cg27260312	TRUE	0e+00	7.0e-07	
cg13306522	TRUE	0e+00	7.0e-07	
cg24709033	TRUE	0e+00	7.0e-07	HOXA11AS;HOXA11
cg19084031	FALSE	0e+00	7.0e-07	
cg10994249	TRUE	0e+00	7.0e-07	LEFTY2
cg24315188	TRUE	0e+00	7.0e-07	PHTF2;PHTF2;TMEM60
cg09249112	TRUE	0e+00	7.0e-07	POM121L2
cg25479708	FALSE	0e+00	7.0e-07	VAMP2
cg09881819	TRUE	0e+00	7.0e-07	H1FX;C3orf47
cg16465128	TRUE	0e+00	7.0e-07	SEPT1
cg08361126	TRUE	0e+00	7.0e-07	ITGA8
cg23669159	FALSE	0e+00	7.0e-07	PLEKHO1;PLEKHO1
cg02699635	TRUE	0e+00	7.0e-07	C11orf94
cg03178489	TRUE	0e+00	7.0e-07	OR9G4
cg03646916	TRUE	0e+00	7.0e-07	ZNF167;ZNF167
cg27048566	TRUE	0e+00	7.0e-07	RAB2A
cg06213463	TRUE	0e+00	7.0e-07	MT3
cg27123273	TRUE	0e+00	7.0e-07	
cg04273556	TRUE	0e+00	7.0e-07	PIGO;PIGO
cg18887969	TRUE	0e+00	7.0e-07	
cg27370808	TRUE	0e+00	7.0e-07	

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg06830981	TRUE	0e+00	7.0e-07	LDLRAD2
cg03047995	TRUE	0e+00	7.0e-07	FITM1
cg11784887	TRUE	0e+00	7.0e-07	MFHAS1
cg04976479	TRUE	0e+00	7.0e-07	GRK4;GRK4;GRK4;NOP14
cg17168630	TRUE	0e+00	7.0e-07	PLAUR;PLAUR;PLAUR
cg05501969	TRUE	0e+00	7.0e-07	
cg02052915	TRUE	0e+00	8.0e-07	
cg03793678	TRUE	0e+00	8.0e-07	
cg19035526	TRUE	0e+00	8.0e-07	
cg17687493	TRUE	0e+00	8.0e-07	SLC35F1
cg22133495	TRUE	0e+00	8.0e-07	CDK12;CDK12
cg15540602	TRUE	0e+00	8.0e-07	
cg10217503	TRUE	0e+00	8.0e-07	GNS;GNS
cg24582510	TRUE	0e+00	8.0e-07	CTNNA3;CTNNA3
cg19116956	TRUE	0e+00	8.0e-07	
cg03650713	TRUE	0e+00	8.0e-07	
cg00186499	TRUE	0e+00	8.0e-07	RBM38;RBM38
cg05891181	TRUE	0e+00	8.0e-07	HCG27
cg04643397	TRUE	0e+00	8.0e-07	PRKAB1
cg05045498	TRUE	0e+00	8.0e-07	
cg20867603	TRUE	0e+00	8.0e-07	VIPR2
cg23954655	TRUE	0e+00	8.0e-07	STK24
cg11195494	TRUE	0e+00	8.0e-07	PTH1R
cg01821113	TRUE	0e+00	8.0e-07	DIRC3
cg02457683	TRUE	0e+00	8.0e-07	DCAF8;DCAF8;DCAF8;DCAF8;DCAF8
cg22757418	TRUE	0e+00	8.0e-07	
cg09459188	TRUE	0e+00	8.0e-07	MFSD1;MFSD1
cg03566418	TRUE	0e+00	8.0e-07	C8orf48
cg13075942	TRUE	0e+00	8.0e-07	RAD51L1
cg20917554	FALSE	0e+00	8.0e-07	AKD1;FIG4;AKD1;AKD1;AKD1
cg15057717	TRUE	0e+00	8.0e-07	ZNF845
cg21442773	TRUE	0e+00	8.0e-07	LYST
cg14009688	TRUE	0e+00	8.0e-07	CALD1;CALD1;CALD1;CALD1;CALD1;CALD1
cg21433820	FALSE	0e+00	8.0e-07	STX18
cg09050313	FALSE	0e+00	8.0e-07	MOBKL3;MOBKL3;MOBKL3
cg06199052	TRUE	0e+00	8.0e-07	UBE3B;UBE3B
cg05015938	TRUE	0e+00	8.0e-07	FNDC1
cg08284263	FALSE	0e+00	8.0e-07	
cg23982812	TRUE	0e+00	8.0e-07	GRIN2B
cg04620101	TRUE	0e+00	8.0e-07	SNRPA1
cg07054788	TRUE	0e+00	8.0e-07	RPL5
cg18626323	TRUE	0e+00	8.0e-07	RDBP
cg16305379	FALSE	0e+00	8.0e-07	HOXC12
cg05969530	TRUE	0e+00	8.0e-07	SLC19A2
cg03948870	TRUE	0e+00	8.0e-07	
cg25163476	TRUE	0e+00	8.0e-07	INS-IGF2;IGF2;IGF2AS;IGF2;IGF2AS;IGF2
cg13932089	TRUE	0e+00	8.0e-07	DNAH8
cg14718533	TRUE	0e+00	8.0e-07	
cg07733457	FALSE	0e+00	8.0e-07	ZNF594;ZNF594
cg04015486	TRUE	0e+00	8.0e-07	PIGT;PIGT
cg20278634	FALSE	0e+00	8.0e-07	EIF2C4
cg23244488	TRUE	0e+00	8.0e-07	

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg26740856	TRUE	0e+00	8.0e-07	C10orf41;C10orf41
cg07227728	FALSE	0e+00	8.0e-07	MKLN1;MKLN1
cg11817413	TRUE	0e+00	8.0e-07	PABPC1
cg14050838	FALSE	0e+00	8.0e-07	FBL
cg02148787	TRUE	0e+00	8.0e-07	TCF7
cg18575653	TRUE	0e+00	8.0e-07	C21orf33;C21orf33
cg04166294	TRUE	0e+00	8.0e-07	
cg25328477	TRUE	0e+00	8.0e-07	GPATCH1;GPATCH1
cg15130433	TRUE	0e+00	8.0e-07	EZR;EZR
cg11207983	TRUE	0e+00	8.0e-07	C1orf51
cg12863565	TRUE	0e+00	8.0e-07	EBF2
cg01043957	TRUE	0e+00	8.0e-07	GPRIN1
cg24712249	FALSE	0e+00	8.0e-07	SYT11
cg04450332	TRUE	0e+00	8.0e-07	TSLP;TSLP
cg25061071	TRUE	0e+00	8.0e-07	SCFD2
cg06032813	TRUE	0e+00	8.0e-07	RAB27A
cg02772266	FALSE	0e+00	8.0e-07	
cg01684721	TRUE	0e+00	8.0e-07	
cg04474257	TRUE	0e+00	8.0e-07	SLC7A11
cg22126032	TRUE	0e+00	8.0e-07	CAV1
cg20890989	TRUE	0e+00	8.0e-07	MOGAT1
cg07619111	TRUE	0e+00	8.0e-07	
cg15601361	TRUE	0e+00	8.0e-07	C6orf105;C6orf105
cg24676409	TRUE	0e+00	8.0e-07	WBP4
cg17514558	TRUE	0e+00	8.0e-07	PCDHB19P
cg10595785	TRUE	0e+00	8.0e-07	
cg07961015	TRUE	0e+00	8.0e-07	
cg21160151	TRUE	0e+00	8.0e-07	FNIP1;FNIP1
cg25304775	FALSE	0e+00	8.0e-07	ZNHIT2
cg07738800	FALSE	0e+00	8.0e-07	TSC1;TSC1;TSC1
cg17825156	TRUE	0e+00	8.0e-07	MIER1;WDR78;MIER1;MIER1;MIER1;MIER1;MIER1;MIER1;WDR78;
cg02051806	TRUE	0e+00	8.0e-07	MGAT4C
cg19545116	TRUE	0e+00	8.0e-07	FNIP1;FNIP1
cg27446442	TRUE	0e+00	8.0e-07	
cg22302985	TRUE	0e+00	8.0e-07	FAM155A
cg09055943	TRUE	0e+00	8.0e-07	ZNF295;ZNF295;ZNF295
cg03419278	TRUE	0e+00	8.0e-07	SMAGP;SMAGP
cg26451873	TRUE	0e+00	8.0e-07	CDK8
cg18408783	TRUE	0e+00	8.0e-07	SLC4A11;SLC4A11
cg03155027	TRUE	0e+00	8.0e-07	CAMKV
cg06881914	TRUE	0e+00	8.0e-07	MS4A6A;MS4A6A;MS4A6A
cg14331765	TRUE	0e+00	8.0e-07	
cg18451256	TRUE	0e+00	8.0e-07	IWS1
cg17452713	TRUE	0e+00	8.0e-07	C1orf213;C1orf213;ZNF436;ZNF436
cg17014186	TRUE	0e+00	8.0e-07	MOSPD3
cg01035771	TRUE	0e+00	8.0e-07	C14orf68
cg22695379	TRUE	0e+00	8.0e-07	GFRA3
cg27440834	TRUE	0e+00	8.0e-07	SNX4
cg20992114	TRUE	0e+00	8.0e-07	PITX2;PITX2;PITX2
cg21584883	TRUE	0e+00	8.0e-07	TMED5;CCDC18;TMED5;TMED5;CCDC18;TMED5;TMED5
cg17701073	TRUE	0e+00	8.0e-07	
cg04023204	TRUE	0e+00	8.0e-07	PLA2G15

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg23429042	TRUE	0e+00	8.0e-07	ZNF860;OSBPL10
cg09500815	TRUE	0e+00	8.0e-07	NR2F2;NR2F2;NR2F2;NR2F2;MIR1469
cg22847228	TRUE	0e+00	8.0e-07	PCDHGA4;PCDHGA6;PCDHGA9;PCDHGA1;PCDHGA8;PCDHGA5;P
cg11859220	TRUE	0e+00	8.0e-07	CNDP2
cg14044120	TRUE	0e+00	8.0e-07	ENTPD2;ENTPD2
cg09686443	TRUE	0e+00	8.0e-07	CCDC37
cg11747104	TRUE	0e+00	8.0e-07	DAAM1
cg08937156	FALSE	0e+00	8.0e-07	
cg18222865	TRUE	0e+00	8.0e-07	PDE3B;PSMA1
cg19895324	TRUE	0e+00	8.0e-07	
cg08236831	TRUE	0e+00	8.0e-07	
cg01273679	TRUE	0e+00	8.0e-07	BRUNOL4;BRUNOL4;BRUNOL4;BRUNOL4
cg07501391	TRUE	0e+00	8.0e-07	NUSAP1;NUSAP1;NUSAP1;OIP5
cg13247935	TRUE	0e+00	8.0e-07	KLC1;KLC1;KLC1
cg00100703	TRUE	0e+00	8.0e-07	UNC45B;UNC45B
cg20024234	FALSE	0e+00	8.0e-07	ZNF295;ZNF295;ZNF295
cg26364903	TRUE	0e+00	8.0e-07	ETAA1
cg13901501	TRUE	0e+00	8.0e-07	RXRG;RXRG
cg25447144	TRUE	0e+00	8.0e-07	MEIS2;MEIS2;MEIS2;MEIS2;MEIS2;MEIS2;MEIS2
cg23232844	TRUE	0e+00	8.0e-07	CYP4V2
cg04665180	TRUE	0e+00	8.0e-07	FREQ
cg26929536	TRUE	0e+00	8.0e-07	SCG3;SCG3
cg23111488	TRUE	0e+00	8.0e-07	
cg00234624	TRUE	0e+00	8.0e-07	TEX10;TEX10;TEX10
cg21915377	TRUE	0e+00	8.0e-07	C3orf17;C3orf17;C3orf17
cg13783725	TRUE	0e+00	8.0e-07	VGLL2;VGLL2
cg09856367	TRUE	0e+00	8.0e-07	
cg26407641	TRUE	0e+00	8.0e-07	SOCS6
cg10095968	FALSE	0e+00	8.0e-07	TRPM2
cg26161780	TRUE	0e+00	8.0e-07	TRMT5;SLC38A6
cg13788537	TRUE	0e+00	8.0e-07	HMCN1
cg16115689	TRUE	0e+00	8.0e-07	RPTOR;RPTOR
cg02132284	TRUE	0e+00	8.0e-07	
cg20269352	FALSE	0e+00	8.0e-07	SLC6A9;SLC6A9;SLC6A9
cg25527599	TRUE	0e+00	8.0e-07	CHRNA3;CHRNA3
cg02640638	TRUE	0e+00	8.0e-07	TMEM229A
cg20878095	TRUE	0e+00	8.0e-07	BCAT2;BCAT2;BCAT2;BCAT2
cg10949451	FALSE	0e+00	8.0e-07	PHF13
cg24087403	FALSE	0e+00	8.0e-07	HK1;HK1;HK1;HK1;HK1
cg11682012	TRUE	0e+00	8.0e-07	SLC37A4;SLC37A4;SLC37A4;SLC37A4;SLC37A4
cg12373573	TRUE	0e+00	8.0e-07	TSPAN19;TSPAN19;LRRIQ1;LRRIQ1
cg02625745	TRUE	0e+00	8.0e-07	CEBPZ;C2orf56;C2orf56;CEBPZ
cg09224821	TRUE	0e+00	8.0e-07	
cg11821403	TRUE	0e+00	8.0e-07	PLK2
cg22380322	TRUE	0e+00	8.0e-07	COL8A2
cg19038228	TRUE	0e+00	8.0e-07	NDUFV1;NDUFV1
cg12569071	FALSE	0e+00	8.0e-07	POLR3D;MIR320A
cg11305937	TRUE	0e+00	8.0e-07	
cg06894134	TRUE	0e+00	8.0e-07	
cg11091397	TRUE	0e+00	8.0e-07	
cg04533013	TRUE	0e+00	8.0e-07	ZNF136
cg00990690	TRUE	0e+00	8.0e-07	ATP8A2

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg12713735	TRUE	0e+00	8.0e-07	DLG5
cg25591888	TRUE	0e+00	8.0e-07	SH3BP4
cg11071407	TRUE	0e+00	8.0e-07	PPARD;PPARD
cg08908148	TRUE	0e+00	8.0e-07	C7orf36;C7orf36
cg24064279	TRUE	0e+00	8.0e-07	
cg16650292	TRUE	0e+00	8.0e-07	KCTD12
cg11111132	TRUE	0e+00	8.0e-07	
cg10035294	TRUE	0e+00	8.0e-07	PAX3;PAX3;PAX3;PAX3;PAX3;CCDC140;PAX3;PAX3;PAX3
cg18839416	TRUE	0e+00	8.0e-07	C1orf158
cg24035931	TRUE	0e+00	8.0e-07	
cg11146178	TRUE	0e+00	8.0e-07	
cg02766259	TRUE	0e+00	8.0e-07	AACS
cg17961327	TRUE	0e+00	8.0e-07	
cg02912187	FALSE	0e+00	8.0e-07	RAB3A;RAB3A
cg14057383	TRUE	0e+00	8.0e-07	AFF3;AFF3
cg08865099	TRUE	0e+00	8.0e-07	EVX1
cg25919221	TRUE	0e+00	8.0e-07	CA6
cg24588528	FALSE	0e+00	8.0e-07	GRK4;GRK4;GRK4
cg25385733	TRUE	0e+00	8.0e-07	MARCH4
cg24342002	TRUE	0e+00	8.0e-07	NANP
cg20171396	TRUE	0e+00	8.0e-07	
cg26538931	TRUE	0e+00	8.0e-07	
cg23528933	TRUE	0e+00	8.0e-07	KLC3
cg13040886	TRUE	0e+00	8.0e-07	BCL2L10
cg00505045	TRUE	0e+00	8.0e-07	POU4F2
cg01412011	FALSE	0e+00	8.0e-07	
cg04128145	TRUE	0e+00	8.0e-07	COG8;NIP7;COG8
cg09510559	TRUE	0e+00	8.0e-07	NPHS1
cg02353165	TRUE	0e+00	8.0e-07	GNMT
cg16302441	TRUE	0e+00	8.0e-07	POMC;POMC
cg26554592	TRUE	0e+00	8.0e-07	SORCS1;SORCS1
cg13562549	TRUE	0e+00	8.0e-07	FCGBP
cg01658421	TRUE	0e+00	8.0e-07	EVX2
cg16983422	FALSE	0e+00	8.0e-07	RNF19A;RNF19A
cg11101439	TRUE	0e+00	8.0e-07	
cg02600494	TRUE	0e+00	8.0e-07	MRPS7;MRPS7;GGA3;GGA3
cg09397293	TRUE	0e+00	8.0e-07	ZNF598
cg05399692	TRUE	0e+00	8.0e-07	FAM194B
cg12969644	TRUE	0e+00	8.0e-07	RASEF
cg10545927	TRUE	0e+00	8.0e-07	RBBP4;RBBP4;RBBP4;ZBTB8OS
cg23208172	TRUE	0e+00	8.0e-07	AGAP1;AGAP1
cg15916160	TRUE	0e+00	8.0e-07	
cg04919563	TRUE	0e+00	8.0e-07	
cg03859893	TRUE	0e+00	8.0e-07	TFAM
cg02242344	TRUE	0e+00	8.0e-07	
cg26503073	TRUE	0e+00	8.0e-07	
cg00917154	TRUE	0e+00	8.0e-07	
cg08375396	TRUE	0e+00	8.0e-07	
cg10634950	TRUE	0e+00	8.0e-07	
cg08806986	TRUE	0e+00	8.0e-07	TTC25;TTC25
cg02686681	TRUE	0e+00	8.0e-07	
cg15874300	FALSE	0e+00	8.0e-07	CRBN

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg10303842	TRUE	0e+00	8.0e-07	CDH12;CDH12
cg14034476	TRUE	0e+00	8.0e-07	C19orf28;C19orf28;C19orf28
cg04678219	TRUE	0e+00	8.0e-07	KIF16B
cg10635188	TRUE	0e+00	8.0e-07	
cg02991888	TRUE	0e+00	8.0e-07	MIR1283-2;MIR516A1
cg23620622	FALSE	0e+00	8.0e-07	ALS2CR4;ALS2CR4
cg07875215	TRUE	0e+00	8.0e-07	ZDHHC14;ZDHHC14
cg07042532	TRUE	0e+00	9.0e-07	CREB5;CREB5;CREB5
cg17725037	TRUE	0e+00	9.0e-07	
cg07973479	TRUE	0e+00	9.0e-07	ATP8A2
cg16100120	TRUE	0e+00	9.0e-07	EFEMP1;EFEMP1;EFEMP1
cg27544405	TRUE	0e+00	9.0e-07	PRDM2;PRDM2;PRDM2;PRDM2
cg18784435	TRUE	0e+00	9.0e-07	CRMP1
cg03814390	TRUE	0e+00	9.0e-07	
cg24997896	TRUE	0e+00	9.0e-07	LOC100128811;GPR158
cg13533340	TRUE	0e+00	9.0e-07	GDA
cg15765380	TRUE	0e+00	9.0e-07	SIAH2
cg15925365	TRUE	0e+00	9.0e-07	GSTA4
cg02165099	TRUE	0e+00	9.0e-07	FLRT2
cg11890437	TRUE	0e+00	9.0e-07	STARD4
cg18685561	TRUE	0e+00	9.0e-07	MARCH1
cg01258200	TRUE	0e+00	9.0e-07	ANKRD56
cg10461878	TRUE	0e+00	9.0e-07	IQCJ;IQCJ
cg18423859	TRUE	0e+00	9.0e-07	BCL2;BCL2
cg22591103	TRUE	0e+00	9.0e-07	LOC401097
cg14146669	TRUE	0e+00	9.0e-07	EIF3IP1
cg21420674	TRUE	0e+00	9.0e-07	
cg07857331	TRUE	0e+00	9.0e-07	MRPS27
cg22312354	TRUE	0e+00	9.0e-07	CCDC106
cg24365811	TRUE	0e+00	9.0e-07	CHID1;CHID1;CHID1;CHID1;CHID1
cg26105725	TRUE	0e+00	9.0e-07	
cg23026048	FALSE	0e+00	9.0e-07	AKAP5
cg03511041	TRUE	0e+00	9.0e-07	
cg20006924	TRUE	0e+00	9.0e-07	RORA
cg20410537	FALSE	0e+00	9.0e-07	TRIM62
cg23883514	TRUE	0e+00	9.0e-07	EEF1A1
cg12453687	TRUE	0e+00	9.0e-07	RAB30
cg05478818	TRUE	0e+00	9.0e-07	RPL37
cg24755459	TRUE	0e+00	9.0e-07	
cg07526021	TRUE	0e+00	9.0e-07	MSH3;DHFR;DHFR
cg13072057	TRUE	0e+00	9.0e-07	B3GALNT1;B3GALNT1;B3GALNT1;B3GALNT1;B3GALNT1
cg11362074	TRUE	0e+00	9.0e-07	
cg26087678	TRUE	0e+00	9.0e-07	RORA;RORA;RORA;RORA
cg00486525	TRUE	0e+00	9.0e-07	MMADHC
cg08883955	TRUE	0e+00	9.0e-07	RSL1D1
cg25976786	TRUE	0e+00	9.0e-07	ESPL1
cg06852255	TRUE	0e+00	9.0e-07	PSMB9;TAP1;PSMB9;TAP1
cg04757002	FALSE	0e+00	9.0e-07	SDC1;SDC1;SDC1
cg23289197	TRUE	0e+00	9.0e-07	BZW2;BZW2;ANKMY2;BZW2
cg04414451	TRUE	0e+00	9.0e-07	SULT1C4
cg09793883	TRUE	0e+00	9.0e-07	
cg06691616	TRUE	0e+00	9.0e-07	



CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg07900658	TRUE	0e+00	9.0e-07	CAGE1;CAGE1;CAGE1;CAGE1;CAGE1;CAGE1;RIOK1
cg26423876	TRUE	0e+00	9.0e-07	PYGO1
cg09421589	TRUE	0e+00	9.0e-07	
cg13491045	TRUE	0e+00	9.0e-07	
cg06038655	TRUE	0e+00	9.0e-07	KLF14
cg26223989	TRUE	0e+00	9.0e-07	ZCCHC2
cg03261948	TRUE	0e+00	9.0e-07	TRIM15
cg22180580	TRUE	0e+00	9.0e-07	NHSL1
cg12547807	TRUE	0e+00	9.0e-07	
cg20729622	TRUE	0e+00	9.0e-07	
cg17754680	TRUE	0e+00	9.0e-07	NPC1L1;NPC1L1
cg24997585	TRUE	0e+00	9.0e-07	GABRB3;GABRB3
cg21549299	TRUE	0e+00	9.0e-07	C21orf88;C21orf88
cg05278955	TRUE	0e+00	9.0e-07	ZBED3;LOC728723
cg16462413	FALSE	0e+00	9.0e-07	ITGA3;ITGA3;ITGA3;ITGA3
cg23741520	TRUE	0e+00	9.0e-07	BNC1
cg22621982	FALSE	0e+00	9.0e-07	CETN3
cg02923264	TRUE	0e+00	9.0e-07	SEC14L4;SEC14L4;SEC14L4;SEC14L4
cg07478208	TRUE	0e+00	9.0e-07	MEIS3;MEIS3
cg01092612	TRUE	0e+00	9.0e-07	RPL10A
cg08402439	TRUE	0e+00	9.0e-07	
cg21757633	TRUE	0e+00	9.0e-07	SAPS2
cg27004523	TRUE	0e+00	9.0e-07	
cg08821930	TRUE	0e+00	9.0e-07	DMBT1;DMBT1;DMBT1
cg08261871	TRUE	0e+00	9.0e-07	HCCA2
cg05513069	TRUE	0e+00	9.0e-07	PSTPIP2
cg08025100	TRUE	0e+00	9.0e-07	NGB
cg15227682	TRUE	0e+00	9.0e-07	ERBB2;PGAP3
cg06947206	TRUE	0e+00	9.0e-07	PTEN;KILLIN;KILLIN
cg13784763	FALSE	0e+00	9.0e-07	C14orf102;C14orf102
cg01369479	TRUE	0e+00	9.0e-07	
cg11601666	FALSE	0e+00	9.0e-07	RPL26
cg25139493	TRUE	0e+00	9.0e-07	BMP8A;BMP8A
cg26987597	TRUE	0e+00	9.0e-07	FOXF2
cg17445266	TRUE	0e+00	9.0e-07	TMEM111
cg07701241	TRUE	0e+00	9.0e-07	DGKZ;DGKZ;DGKZ
cg21028463	TRUE	0e+00	9.0e-07	MIR636;SFRS2;MFSD11
cg10457446	TRUE	0e+00	9.0e-07	SPNS2
cg16911810	TRUE	0e+00	9.0e-07	
cg04501188	TRUE	0e+00	9.0e-07	FOXD2
cg03577655	TRUE	0e+00	9.0e-07	VWC2
cg25239251	TRUE	0e+00	9.0e-07	GSS
cg13910681	TRUE	0e+00	9.0e-07	FAM102A
cg20364025	TRUE	0e+00	9.0e-07	GALNS
cg26603524	TRUE	0e+00	9.0e-07	CD160
cg09478396	TRUE	0e+00	9.0e-07	
cg18885125	TRUE	0e+00	9.0e-07	ARHGEF16
cg19579652	TRUE	0e+00	9.0e-07	DIP2C
cg17816394	TRUE	0e+00	9.0e-07	GNG4;GNG4;GNG4;GNG4;GNG4
cg04239078	TRUE	0e+00	9.0e-07	
cg24423515	TRUE	0e+00	9.0e-07	ANKRD56
cg13667676	TRUE	0e+00	9.0e-07	CTDSP2

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg19032066	TRUE	0e+00	9.0e-07	PAX9
cg13662569	TRUE	0e+00	9.0e-07	SORBS2;SORBS2;SORBS2;SORBS2;SORBS2;SORBS2;SORBS2;SORBS2
cg05970811	TRUE	0e+00	9.0e-07	SRGAP1
cg24603152	TRUE	0e+00	9.0e-07	PRKACB;PRKACB
cg23409774	TRUE	0e+00	9.0e-07	CPLX2;CPLX2
cg23068057	TRUE	0e+00	9.0e-07	BCLAF1;BCLAF1;BCLAF1
cg07636295	TRUE	0e+00	9.0e-07	SCRT2;SCRT2
cg12296472	TRUE	0e+00	9.0e-07	AGAP1;AGAP1
cg09058381	TRUE	0e+00	9.0e-07	EAF1;METTL6
cg11057897	TRUE	0e+00	9.0e-07	APC
cg11754185	TRUE	0e+00	9.0e-07	
cg17665095	TRUE	0e+00	9.0e-07	ERC2
cg16041806	TRUE	0e+00	9.0e-07	
cg01212576	FALSE	0e+00	9.0e-07	
cg00061413	TRUE	0e+00	9.0e-07	PANK3
cg16666935	TRUE	0e+00	9.0e-07	HSPH1
cg14536812	FALSE	0e+00	9.0e-07	
cg11362604	TRUE	0e+00	9.0e-07	MEIS2;MEIS2;MEIS2;MEIS2;MEIS2;MEIS2;MEIS2
cg09149784	TRUE	0e+00	9.0e-07	
cg14527110	TRUE	0e+00	9.0e-07	P4HA2;P4HA2;P4HA2;P4HA2;P4HA2
cg22331862	TRUE	0e+00	9.0e-07	SLC6A11
cg22798977	TRUE	0e+00	9.0e-07	PDPN;PDPN
cg13622450	TRUE	0e+00	9.0e-07	
cg25805964	TRUE	0e+00	9.0e-07	GALNT7
cg00713567	TRUE	0e+00	9.0e-07	BAI1
cg08989478	TRUE	0e+00	9.0e-07	
cg01035160	TRUE	0e+00	9.0e-07	SNCA;SNCA;SNCA;SNCA
cg02601140	TRUE	0e+00	9.0e-07	
cg25337691	TRUE	0e+00	9.0e-07	ATG9B
cg13486406	TRUE	0e+00	9.0e-07	
cg07424354	TRUE	0e+00	9.0e-07	CYB5D1;CYB5D1;LSMD1;LSMD1
cg23187886	TRUE	0e+00	9.0e-07	COL4A2
cg25725843	TRUE	0e+00	9.0e-07	ST6GAL2;ST6GAL2
cg11902424	TRUE	0e+00	9.0e-07	
cg05391423	TRUE	0e+00	9.0e-07	CDC7;CDC7;CDC7
cg13088556	TRUE	0e+00	9.0e-07	
cg14585371	TRUE	0e+00	9.0e-07	
cg16202338	TRUE	0e+00	9.0e-07	
cg17504145	TRUE	0e+00	9.0e-07	CRYBB2
cg26099158	TRUE	0e+00	9.0e-07	
cg11945228	TRUE	0e+00	9.0e-07	BRD2;BRD2
cg20737028	TRUE	0e+00	9.0e-07	PATE3
cg23467659	TRUE	0e+00	9.0e-07	
cg12520111	TRUE	0e+00	9.0e-07	PPIA
cg10143220	TRUE	0e+00	9.0e-07	MPG;MPG;MPG
cg24406691	TRUE	0e+00	9.0e-07	RNPC3;RNPC3
cg23599559	TRUE	0e+00	9.0e-07	CACNA1G;CACNA1G;CACNA1G;CACNA1G;CACNA1G;CACNA1G;C
cg01219426	TRUE	0e+00	9.0e-07	MAML2
cg14774585	TRUE	0e+00	9.0e-07	NBEA
cg21767703	TRUE	0e+00	9.0e-07	ERO1LB
cg13601435	TRUE	0e+00	9.0e-07	
cg14469389	TRUE	0e+00	9.0e-07	NKD2

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg25505106	TRUE	0e+00	9.0e-07	FBN1
cg00798317	TRUE	0e+00	9.0e-07	ITGA3;ITGA3
cg16573755	TRUE	0e+00	9.0e-07	
cg00860370	TRUE	0e+00	9.0e-07	RNPC3
cg14420000	TRUE	0e+00	9.0e-07	
cg27307523	TRUE	0e+00	9.0e-07	ESPN
cg15134801	TRUE	0e+00	9.0e-07	ELOVL7;ELOVL7
cg20646018	TRUE	0e+00	9.0e-07	C12orf5
cg25835351	TRUE	0e+00	9.0e-07	SEPHS1
cg23818142	TRUE	0e+00	9.0e-07	C2orf77;KLHL23;PHOSPHO2
cg01902998	TRUE	0e+00	9.0e-07	
cg04919784	TRUE	0e+00	9.0e-07	
cg04290427	TRUE	0e+00	9.0e-07	
cg02066144	TRUE	0e+00	9.0e-07	EXOC6B
cg16905907	TRUE	0e+00	9.0e-07	RUNX1T1;RUNX1T1;RUNX1T1
cg04577052	TRUE	0e+00	9.0e-07	TMED1
cg01033871	TRUE	0e+00	9.0e-07	TNXB
cg04283162	TRUE	0e+00	9.0e-07	FAM189A1
cg27272677	TRUE	0e+00	9.0e-07	TLX1NB;TLX1;TLX1
cg26960988	TRUE	0e+00	9.0e-07	PCDHGA2;PCDHGA1;PCDHGA3;PCDHGB1;PCDHGB1
cg08457514	TRUE	0e+00	9.0e-07	NFIA;NFIA;NFIA;NFIA
cg04165933	TRUE	0e+00	9.0e-07	ZNF423
cg21579539	TRUE	0e+00	9.0e-07	
cg10637512	TRUE	0e+00	9.0e-07	SYNM;SYNM
cg12736760	TRUE	0e+00	9.0e-07	IGF1R
cg13322131	TRUE	0e+00	9.0e-07	TFAP2B
cg00221788	TRUE	0e+00	9.0e-07	MRPL42;MRPL42;MRPL42
cg23176759	TRUE	0e+00	9.0e-07	EYS;EYS
cg14290170	TRUE	0e+00	9.0e-07	
cg19265998	TRUE	0e+00	9.0e-07	NUCB1
cg20569194	TRUE	0e+00	9.0e-07	CDC27;CDC27
cg01788996	TRUE	0e+00	9.0e-07	CCDC138
cg03551367	TRUE	0e+00	9.0e-07	TMEM174
cg04686994	TRUE	0e+00	9.0e-07	DIMT1L
cg21840041	TRUE	0e+00	9.0e-07	
cg01213519	TRUE	0e+00	9.0e-07	
cg03563694	TRUE	0e+00	9.0e-07	COX4NB;COX4I1;COX4NB
cg22943329	TRUE	0e+00	9.0e-07	TMEM179
cg10947350	TRUE	0e+00	9.0e-07	
cg08655662	TRUE	0e+00	9.0e-07	
cg16829306	TRUE	0e+00	1.0e-06	ECE1
cg27175851	TRUE	0e+00	1.0e-06	MXI1;MXI1;MXI1
cg03353124	TRUE	0e+00	1.0e-06	
cg10835651	FALSE	0e+00	1.0e-06	ABTB2
cg26628751	TRUE	0e+00	1.0e-06	B3GNTL1
cg07564793	TRUE	0e+00	1.0e-06	
cg17066058	TRUE	0e+00	1.0e-06	
cg06615445	TRUE	0e+00	1.0e-06	SRCIN1
cg22289831	TRUE	0e+00	1.0e-06	SIM2;SIM2
cg10222925	TRUE	0e+00	1.0e-06	DCAF4L2
cg06755427	TRUE	0e+00	1.0e-06	
cg10598034	TRUE	0e+00	1.0e-06	ZNF701

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg01518607	TRUE	0e+00	1.0e-06	
cg20792735	TRUE	0e+00	1.0e-06	CTNNA2;LRRTM1;LRRTM1;CTNNA2
cg12389770	TRUE	0e+00	1.0e-06	GRIK2;GRIK2;GRIK2
cg17321888	TRUE	0e+00	1.0e-06	
cg21517792	TRUE	0e+00	1.0e-06	MTA1
cg19766763	TRUE	0e+00	1.0e-06	
cg16591381	FALSE	0e+00	1.0e-06	KIF26B
cg18758405	TRUE	0e+00	1.0e-06	
cg01978237	TRUE	0e+00	1.0e-06	SIM1
cg15702349	TRUE	0e+00	1.0e-06	OPCML
cg01686920	TRUE	0e+00	1.0e-06	IRX5
cg26545519	TRUE	0e+00	1.0e-06	
cg01172338	FALSE	0e+00	1.0e-06	PLSCR3
cg14113569	TRUE	0e+00	1.0e-06	KLHL38
cg12501818	TRUE	0e+00	1.0e-06	
cg23470538	TRUE	0e+00	1.0e-06	
cg12483476	TRUE	0e+00	1.0e-06	GRM6
cg18720326	TRUE	0e+00	1.0e-06	ADAMTS2;ADAMTS2
cg22001496	TRUE	0e+00	1.0e-06	
cg24541550	TRUE	0e+00	1.0e-06	MRVI1;MRVI1;MRVI1;MRVI1;MRVI1
cg10738239	TRUE	0e+00	1.0e-06	SOX21;SOX21
cg26207357	FALSE	0e+00	1.0e-06	
cg00954391	TRUE	0e+00	1.0e-06	DIP2C
cg22453656	TRUE	0e+00	1.0e-06	TMEM51;TMEM51;C1orf126
cg18520925	TRUE	0e+00	1.0e-06	C6orf222
cg04533881	TRUE	0e+00	1.0e-06	C14orf138;C14orf138
cg06728437	FALSE	0e+00	1.0e-06	KLF7
cg25941512	FALSE	0e+00	1.0e-06	TPI1;TPI1;TPI1
cg18946602	TRUE	0e+00	1.0e-06	NFIA;NFIA;NFIA;NFIA
cg07863244	TRUE	0e+00	1.0e-06	ZNF620;ZNF620
cg00130707	TRUE	0e+00	1.0e-06	
cg11609556	TRUE	0e+00	1.0e-06	FLJ90757
cg03628000	TRUE	0e+00	1.0e-06	PARN;PARN
cg08320703	TRUE	0e+00	1.0e-06	
cg06017212	TRUE	0e+00	1.0e-06	SLC43A2
cg06215908	TRUE	0e+00	1.0e-06	NCRNA00207;NCRNA00207;NCRNA00207
cg18533386	TRUE	0e+00	1.0e-06	CACNA1E
cg27587195	TRUE	0e+00	1.0e-06	MCC;MCC
cg13094926	TRUE	0e+00	1.0e-06	MAGOH
cg07298347	TRUE	0e+00	1.0e-06	FMNL2
cg21544633	TRUE	0e+00	1.0e-06	PARVA
cg13327503	TRUE	0e+00	1.0e-06	DCP1B;DCP1B
cg08519575	TRUE	0e+00	1.0e-06	FAM164A
cg20556675	TRUE	0e+00	1.0e-06	OTUB2
cg17178919	TRUE	0e+00	1.0e-06	IL1RAP;IL1RAP;IL1RAP;IL1RAP;IL1RAP;IL1RAP;IL1RAP;IL1RAP
cg05343159	TRUE	0e+00	1.0e-06	NPS
cg27115863	TRUE	0e+00	1.0e-06	
cg04270358	TRUE	0e+00	1.0e-06	LOC645323;LOC645323;LOC645323
cg07094541	FALSE	0e+00	1.0e-06	PLXDC1
cg14986357	TRUE	0e+00	1.0e-06	RNF220
cg08935238	TRUE	0e+00	1.0e-06	PCDHGA4;PCDHGA9;PCDHGA1;PCDHGB1;PCDHGB7;PCDHGB6;PCDHGB7
cg05294243	TRUE	0e+00	1.0e-06	KLK13

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg13170174	TRUE	0e+00	1.0e-06	
cg05069228	TRUE	0e+00	1.0e-06	PTPRG
cg20643094	FALSE	0e+00	1.0e-06	FLOT1
cg26672104	FALSE	0e+00	1.0e-06	GNG2;GNG2
cg02023138	TRUE	0e+00	1.0e-06	BIN2
cg09634019	TRUE	0e+00	1.0e-06	EHBP1;EHBP1;EHBP1;EHBP1
cg15778350	TRUE	0e+00	1.0e-06	NUF2;NUF2;NUF2;NUF2
cg20166438	TRUE	0e+00	1.0e-06	GNAI3
cg02388150	TRUE	0e+00	1.0e-06	SFRP1
cg12255061	TRUE	0e+00	1.0e-06	AXIN2
cg01970716	TRUE	0e+00	1.0e-06	NYNRIN
cg09655666	TRUE	0e+00	1.0e-06	
cg11310692	TRUE	0e+00	1.0e-06	PEX7
cg09403249	TRUE	0e+00	1.0e-06	DBX2
cg11504408	FALSE	0e+00	1.0e-06	KCTD18
cg19899008	TRUE	0e+00	1.0e-06	SLC12A4;SLC12A4;SLC12A4
cg26930816	FALSE	0e+00	1.0e-06	
cg26073885	TRUE	0e+00	1.0e-06	
cg13621612	TRUE	0e+00	1.0e-06	NKD2
cg23133011	TRUE	0e+00	1.0e-06	
cg14106167	TRUE	0e+00	1.0e-06	
cg11610460	TRUE	0e+00	1.0e-06	RNF43
cg02854226	TRUE	0e+00	1.0e-06	CUTA;CUTA;CUTA;CUTA;CUTA;CUTA;CUTA;CUTA;CUTA
cg23084951	TRUE	0e+00	1.0e-06	ZNF323;ZNF323;ZNF323;ZNF323;ZNF323;ZNF323;ZNF323
cg01588388	TRUE	0e+00	1.0e-06	PRKD1
cg23938220	TRUE	0e+00	1.0e-06	APC;APC;APC
cg16072688	TRUE	0e+00	1.0e-06	PENK
cg11358777	TRUE	0e+00	1.0e-06	MOG;MOG;MOG;MOG;MOG;MOG;MOG;MOG;MOG;MOG
cg06364757	TRUE	0e+00	1.0e-06	PYGO1
cg03071876	TRUE	0e+00	1.0e-06	SP6
cg11599718	TRUE	0e+00	1.0e-06	VPS37B
cg07529575	TRUE	0e+00	1.0e-06	EN1
cg04402744	TRUE	0e+00	1.0e-06	SLC29A3
cg08095637	FALSE	0e+00	1.0e-06	LRRC34
cg11669284	TRUE	0e+00	1.0e-06	WDR70
cg16776981	TRUE	0e+00	1.0e-06	BAHCC1
cg14375387	TRUE	0e+00	1.0e-06	TPD52L1;TPD52L1;TPD52L1;TPD52L1
cg23075555	TRUE	0e+00	1.0e-06	HLA-DPB2
cg12219434	TRUE	0e+00	1.0e-06	
cg00435621	TRUE	0e+00	1.0e-06	HES7;HES7
cg16063112	TRUE	0e+00	1.0e-06	C10orf107
cg01267709	TRUE	0e+00	1.0e-06	SLC7A8;SLC7A8
cg15376097	TRUE	0e+00	1.0e-06	MPZL2;MPZL2
cg18572653	TRUE	0e+00	1.0e-06	NODAL
cg00352417	TRUE	0e+00	1.0e-06	FAM43A;FAM43A
cg04966789	TRUE	0e+00	1.0e-06	PPP2R3C;KIAA0391;KIAA0391
cg12065616	TRUE	0e+00	1.0e-06	
cg10069394	TRUE	0e+00	1.0e-06	
cg18473033	TRUE	0e+00	1.0e-06	NXPH3;NXPH3
cg12728097	TRUE	0e+00	1.0e-06	
cg18277754	TRUE	0e+00	1.0e-06	ALK;ALK
cg20671675	FALSE	0e+00	1.0e-06	C7orf50;C7orf50;C7orf50

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg16074309	TRUE	0e+00	1.0e-06	
cg21514871	TRUE	0e+00	1.0e-06	MEFV
cg18090004	TRUE	0e+00	1.0e-06	
cg02466815	TRUE	0e+00	1.0e-06	HOXD1
cg10358981	TRUE	0e+00	1.0e-06	
cg24527008	TRUE	0e+00	1.0e-06	COL23A1
cg04448477	TRUE	0e+00	1.0e-06	PDGFRA
cg12897942	TRUE	0e+00	1.0e-06	EIF5A2;EIF5A2
cg22778132	FALSE	0e+00	1.0e-06	ANKRD37;ANKRD37
cg20556803	TRUE	0e+00	1.0e-06	MAD1L1;MAD1L1;MAD1L1
cg18740893	TRUE	0e+00	1.0e-06	TMEM22;TMEM22;TMEM22
cg10676084	TRUE	0e+00	1.0e-06	GABRB3;GABRB3
cg10592901	TRUE	0e+00	1.0e-06	VDR;VDR
cg22807585	TRUE	0e+00	1.0e-06	
cg26114961	TRUE	0e+00	1.0e-06	C6orf25;C6orf25;C6orf25;C6orf25;C6orf25;C6orf25
cg12213930	TRUE	0e+00	1.0e-06	CPNE4
cg21308020	TRUE	0e+00	1.0e-06	RAP1GDS1;RAP1GDS1;RAP1GDS1;RAP1GDS1;RAP1GDS1;RAP1GDS1
cg21689812	TRUE	0e+00	1.0e-06	GPATCH4;GPATCH4
cg14181169	TRUE	0e+00	1.0e-06	INSM2
cg05691054	TRUE	0e+00	1.0e-06	SHROOM3
cg07599389	TRUE	0e+00	1.0e-06	CDYL;CDYL;CDYL;CDYL;CDYL
cg01533106	TRUE	0e+00	1.0e-06	
cg22262757	TRUE	0e+00	1.0e-06	
cg06937549	TRUE	0e+00	1.0e-06	HNRNPH1
cg01807026	TRUE	0e+00	1.0e-06	MEGF9
cg16987876	TRUE	0e+00	1.0e-06	GZMM
cg18835320	TRUE	0e+00	1.0e-06	
cg21877930	TRUE	0e+00	1.0e-06	C5orf33;C5orf33
cg15593716	TRUE	0e+00	1.0e-06	
cg03851398	FALSE	0e+00	1.0e-06	C10orf125;C10orf125
cg09707903	TRUE	0e+00	1.0e-06	PLEKHA5;PLEKHA5
cg26225417	TRUE	0e+00	1.0e-06	
cg27338287	TRUE	0e+00	1.0e-06	LOC647309
cg26637901	TRUE	0e+00	1.0e-06	ATF7IP
cg16706613	TRUE	0e+00	1.0e-06	
cg06014588	TRUE	0e+00	1.0e-06	
cg03455765	TRUE	0e+00	1.0e-06	CADM2;CADM2
cg02159996	TRUE	0e+00	1.0e-06	GABRR1;GABRR1
cg05157098	TRUE	0e+00	1.0e-06	THAP2
cg26962778	TRUE	0e+00	1.0e-06	PCDHGA4;PCDHGA2;PCDHGB2;PCDHGA1;PCDHGB1;PCDHGA3;PCDHGB3
cg25678532	FALSE	0e+00	1.0e-06	RBBP8;RBBP8;RBBP8
cg08830225	TRUE	0e+00	1.0e-06	
cg06697536	TRUE	0e+00	1.0e-06	HOXD1;HOXD1
cg23209537	FALSE	0e+00	1.0e-06	TNRC18
cg22575458	FALSE	0e+00	1.1e-06	
cg26976042	TRUE	0e+00	1.1e-06	WDR16;WDR16
cg25511363	TRUE	0e+00	1.1e-06	ERLIN1;ERLIN1;ERLIN1
cg27284840	TRUE	0e+00	1.1e-06	AHCYL2;AHCYL2
cg09334629	TRUE	0e+00	1.1e-06	
cg04358741	TRUE	0e+00	1.1e-06	
cg05030651	TRUE	0e+00	1.1e-06	MED1;MED1
cg17633576	TRUE	0e+00	1.1e-06	LMO3;LMO3

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg16800168	TRUE	0e+00	1.1e-06	
cg26950369	TRUE	0e+00	1.1e-06	XIRP2;XIRP2
cg20388462	TRUE	0e+00	1.1e-06	
cg11162068	TRUE	0e+00	1.1e-06	
cg00551910	TRUE	0e+00	1.1e-06	C14orf162
cg26717554	TRUE	0e+00	1.1e-06	ELANE
cg06330324	TRUE	0e+00	1.1e-06	SLC35E4
cg10306247	TRUE	0e+00	1.1e-06	ZNF192
cg12364115	TRUE	0e+00	1.1e-06	
cg04991805	TRUE	0e+00	1.1e-06	CRTAC1
cg06834912	TRUE	0e+00	1.1e-06	FOXF1
cg17923358	TRUE	0e+00	1.1e-06	RELN;RELN
cg19698976	TRUE	0e+00	1.1e-06	
cg21244177	TRUE	0e+00	1.1e-06	
cg20023231	TRUE	0e+00	1.1e-06	HS3ST2
cg12879423	TRUE	0e+00	1.1e-06	TMBIM6;TMBIM6
cg08578505	TRUE	0e+00	1.1e-06	GEMIN7;GEMIN7;GEMIN7
cg26863881	TRUE	0e+00	1.1e-06	KIF11
cg04829509	TRUE	0e+00	1.1e-06	
cg22881174	TRUE	0e+00	1.1e-06	SFMBT2
cg06537680	TRUE	0e+00	1.1e-06	
cg13976366	TRUE	0e+00	1.1e-06	TRIM21;TRIM21
cg19813226	TRUE	0e+00	1.1e-06	
cg01154527	TRUE	0e+00	1.1e-06	AKAP12;AKAP12
cg27637521	FALSE	0e+00	1.1e-06	SOCS3
cg18920097	TRUE	0e+00	1.1e-06	GJD2
cg23855818	TRUE	0e+00	1.1e-06	SLC41A2
cg17104961	TRUE	0e+00	1.1e-06	NTM;NTM;NTM;NTM
cg15670620	FALSE	0e+00	1.1e-06	ZNHIT3
cg09354381	TRUE	0e+00	1.1e-06	
cg24259291	TRUE	0e+00	1.1e-06	ZNFX1
cg00153543	TRUE	0e+00	1.1e-06	KCNG4
cg16671079	TRUE	0e+00	1.1e-06	MGAT5B;MGAT5B
cg02639634	TRUE	0e+00	1.1e-06	RGS20;RGS20
cg25721818	TRUE	0e+00	1.1e-06	NFE2;NFE2
cg25486979	TRUE	0e+00	1.1e-06	C13orf1;C13orf1;C13orf1
cg18198999	TRUE	0e+00	1.1e-06	DMRTA2
cg05767562	TRUE	0e+00	1.1e-06	LOC283999
cg17773349	TRUE	0e+00	1.1e-06	ATCAY;ATCAY
cg23204968	TRUE	0e+00	1.1e-06	HOXA5
cg06813515	TRUE	0e+00	1.1e-06	C6orf118
cg09730211	FALSE	0e+00	1.1e-06	MMP28;MMP28
cg20699736	TRUE	0e+00	1.1e-06	VAX2
cg13378519	TRUE	0e+00	1.1e-06	GNRHR2;PEX11B
cg24561661	TRUE	0e+00	1.1e-06	HOXD11
cg02772663	TRUE	0e+00	1.1e-06	GRK5
cg19857707	TRUE	0e+00	1.1e-06	
cg21986966	TRUE	0e+00	1.1e-06	DENND1C
cg03101422	TRUE	0e+00	1.1e-06	CXCR4
cg04404543	TRUE	0e+00	1.1e-06	ATF7;ATF7
cg10558063	TRUE	0e+00	1.1e-06	
cg12736501	TRUE	0e+00	1.1e-06	

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg11074549	FALSE	0e+00	1.1e-06	TMED10
cg01311360	TRUE	0e+00	1.1e-06	PCDHGA4;PCDHGA6;PCDHGA9;PCDHGA1;PCDHGA8;PCDHGA5;P
cg06689659	TRUE	0e+00	1.1e-06	ATP6V0D2
cg01691710	TRUE	0e+00	1.1e-06	
cg00739661	TRUE	0e+00	1.1e-06	ZNF490;ZNF791
cg27419075	TRUE	0e+00	1.1e-06	PDE2A;PDE2A;PDE2A;PDE2A
cg20116128	TRUE	0e+00	1.1e-06	GPSM3
cg16509978	TRUE	0e+00	1.1e-06	LOC100130987;POLD4
cg15016624	TRUE	0e+00	1.1e-06	SLC37A4;SLC37A4;SLC37A4;SLC37A4
cg02887652	TRUE	0e+00	1.1e-06	KIAA1688
cg17187163	TRUE	0e+00	1.1e-06	MLPH;MLPH
cg13575339	TRUE	0e+00	1.1e-06	VSX2
cg26890706	TRUE	0e+00	1.1e-06	RNF182;RNF182;RNF182;RNF182
cg27319123	TRUE	0e+00	1.1e-06	KCNA4;KCNA4
cg04662609	TRUE	0e+00	1.1e-06	
cg16232842	TRUE	0e+00	1.1e-06	PML;PML;PML;PML;PML;PML;PML;PML;PML
cg20026613	TRUE	0e+00	1.1e-06	C22orf9;C22orf9
cg23810463	TRUE	0e+00	1.1e-06	
cg10746622	TRUE	0e+00	1.1e-06	PRSSL1
cg19695507	TRUE	0e+00	1.1e-06	BEND7;BEND7
cg18672939	TRUE	0e+00	1.1e-06	GFRA1;GFRA1;GFRA1;GFRA1
cg17805540	TRUE	0e+00	1.1e-06	NKX3-2
cg26227101	TRUE	0e+00	1.1e-06	PRDM2;PRDM2;PRDM2;PRDM2
cg26820929	FALSE	0e+00	1.1e-06	GMEB1;GMEB1
cg10176463	TRUE	0e+00	1.1e-06	
cg03104083	TRUE	0e+00	1.1e-06	
cg03848127	TRUE	0e+00	1.1e-06	
cg05489143	TRUE	0e+00	1.1e-06	RPL14;RPL14
cg18795786	TRUE	0e+00	1.1e-06	CNTN1;CNTN1
cg12993791	TRUE	0e+00	1.1e-06	MOSPD3;MOSPD3;MOSPD3;MOSPD3
cg16178091	TRUE	0e+00	1.1e-06	
cg06100991	TRUE	0e+00	1.1e-06	ELOVL6;ELOVL6
cg03803071	FALSE	0e+00	1.1e-06	
cg17375396	TRUE	0e+00	1.1e-06	RPS6KB2
cg14702787	TRUE	0e+00	1.1e-06	CXCR1
cg13769964	TRUE	0e+00	1.1e-06	C19orf54;SNRPA;SNRPA
cg00561287	TRUE	0e+00	1.1e-06	CA14
cg08289839	TRUE	0e+00	1.1e-06	CARS2
cg08598287	TRUE	0e+00	1.1e-06	
cg02096229	TRUE	0e+00	1.1e-06	SCAND3
cg25262656	TRUE	0e+00	1.1e-06	
cg08928882	TRUE	0e+00	1.1e-06	LOC100192378;ZFHX4
cg05707506	TRUE	0e+00	1.1e-06	SPEG
cg19687985	TRUE	0e+00	1.1e-06	C6orf154
cg06341839	TRUE	0e+00	1.1e-06	CYB5R3
cg16691593	TRUE	0e+00	1.1e-06	OTP
cg26227310	TRUE	0e+00	1.1e-06	TLX1NB
cg16678099	TRUE	0e+00	1.1e-06	
cg04659071	TRUE	0e+00	1.1e-06	
cg14399930	TRUE	0e+00	1.1e-06	FBXO47
cg04141627	TRUE	0e+00	1.1e-06	
cg10358780	FALSE	0e+00	1.1e-06	GOLT1B;RECQL;RECQL;GOLT1B



CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg16194234	FALSE	0e+00	1.1e-06	PIK3CB
cg25040562	TRUE	0e+00	1.1e-06	
cg05296818	TRUE	0e+00	1.1e-06	SIX1
cg06373816	TRUE	0e+00	1.1e-06	RIMBP2
cg24611264	TRUE	0e+00	1.1e-06	TRIM29
cg09914773	FALSE	0e+00	1.1e-06	CYP3A4
cg19615295	TRUE	0e+00	1.1e-06	CDH26;CDH26
cg03651957	TRUE	0e+00	1.1e-06	PARD3B;PARD3B;PARD3B
cg13378934	TRUE	0e+00	1.1e-06	MEIS3;MEIS3
cg05372242	TRUE	0e+00	1.1e-06	SFTA3
cg16024318	TRUE	0e+00	1.1e-06	SLC6A7;SLC6A7
cg04368939	TRUE	0e+00	1.1e-06	KCNIP2;KCNIP2;KCNIP2;KCNIP2;KCNIP2;KCNIP2;KCNIP2
cg09239591	TRUE	0e+00	1.1e-06	XDH
cg20470223	TRUE	0e+00	1.1e-06	
cg27105094	TRUE	0e+00	1.1e-06	
cg00706697	TRUE	0e+00	1.1e-06	PRR25
cg16548201	TRUE	0e+00	1.1e-06	ASB2
cg14132868	TRUE	0e+00	1.1e-06	HPS5;HPS5;HPS5;HPS5;HPS5;HPS5;GTF2H1;GTF2H1
cg17643796	TRUE	0e+00	1.1e-06	PDE6B;PDE6B;PDE6B
cg14977433	TRUE	0e+00	1.1e-06	
cg04161902	TRUE	0e+00	1.1e-06	BAI2
cg14219291	TRUE	0e+00	1.1e-06	FAM175B
cg16861047	TRUE	0e+00	1.1e-06	SLC22A15
cg13059411	TRUE	0e+00	1.1e-06	KCND3;KCND3
cg27304225	TRUE	0e+00	1.1e-06	SNRPN;SNRPN;SNRPN
cg02015280	TRUE	0e+00	1.1e-06	AGBL3
cg04543865	TRUE	0e+00	1.1e-06	GAN
cg05886367	TRUE	0e+00	1.1e-06	BTNL9;BTNL9
cg10458473	TRUE	0e+00	1.1e-06	
cg07364646	TRUE	0e+00	1.1e-06	
cg04124352	TRUE	0e+00	1.1e-06	ADAMTS12
cg02918093	TRUE	0e+00	1.2e-06	
cg22006640	TRUE	0e+00	1.2e-06	
cg09504571	FALSE	0e+00	1.2e-06	MRPL28
cg11861474	TRUE	0e+00	1.2e-06	CCDC40
cg05262436	TRUE	0e+00	1.2e-06	OLIG3
cg03892781	TRUE	0e+00	1.2e-06	CRTAC1
cg26330510	TRUE	0e+00	1.2e-06	
cg21717508	TRUE	0e+00	1.2e-06	SNX15;SNX15
cg13703871	TRUE	0e+00	1.2e-06	ZNF177
cg06470943	TRUE	0e+00	1.2e-06	SMAP2
cg01657408	TRUE	0e+00	1.2e-06	RNF145
cg21086870	TRUE	0e+00	1.2e-06	RPAP1
cg25960403	TRUE	0e+00	1.2e-06	MIR572
cg20627174	TRUE	0e+00	1.2e-06	
cg11815991	TRUE	0e+00	1.2e-06	ID1;ID1;ID1;ID1
cg05871607	TRUE	0e+00	1.2e-06	RPA2
cg13973180	TRUE	0e+00	1.2e-06	C17orf101;C17orf101
cg06248182	TRUE	0e+00	1.2e-06	ERAL1
cg17009813	TRUE	0e+00	1.2e-06	
cg06567525	FALSE	0e+00	1.2e-06	ISM1
cg19645221	TRUE	0e+00	1.2e-06	

[illegible]

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg16099107	TRUE	0e+00	1.2e-06	WIF1
cg01891925	TRUE	0e+00	1.2e-06	BTC
cg26980244	TRUE	0e+00	1.2e-06	NEFM;NEFM;NEFM
cg02404739	TRUE	0e+00	1.2e-06	FAM111B;FAM111B;FAM111B
cg15957055	TRUE	0e+00	1.2e-06	CADPS;CADPS;CADPS;CADPS;CADPS
cg00391739	TRUE	0e+00	1.2e-06	MCFD2;MCFD2
cg03111404	TRUE	0e+00	1.2e-06	
cg19490266	TRUE	0e+00	1.2e-06	JTB;JTB
cg22190437	TRUE	0e+00	1.2e-06	SPHKAP;SPHKAP
cg00003173	FALSE	0e+00	1.2e-06	CHCHD4;TMEM43;CHCHD4
cg26945780	TRUE	0e+00	1.2e-06	SRPK1
cg03693486	TRUE	0e+00	1.2e-06	CDA
cg17854747	TRUE	0e+00	1.2e-06	RNF138;RNF138
cg12032620	TRUE	0e+00	1.2e-06	TP53BP1
cg18605987	TRUE	0e+00	1.2e-06	ZCCHC24
cg11595245	TRUE	0e+00	1.2e-06	HELLS
cg23238058	TRUE	0e+00	1.2e-06	
cg14687660	TRUE	0e+00	1.2e-06	
cg15177917	TRUE	0e+00	1.2e-06	DAND5
cg14088161	TRUE	0e+00	1.2e-06	ACTL6B
cg24458833	TRUE	0e+00	1.2e-06	XKR8
cg09240763	TRUE	0e+00	1.2e-06	
cg17813208	TRUE	0e+00	1.2e-06	
cg13038847	TRUE	0e+00	1.2e-06	
cg18253629	TRUE	0e+00	1.2e-06	ZNF507;ZNF507
cg25589070	TRUE	0e+00	1.2e-06	C6orf105;C6orf105
cg04843137	TRUE	0e+00	1.2e-06	NUDT7;NUDT7
cg13065228	TRUE	0e+00	1.2e-06	FOXH1;FOXH1
cg20688987	TRUE	0e+00	1.2e-06	BLOC1S1
cg12359592	TRUE	0e+00	1.2e-06	TXNDC6
cg01774471	TRUE	0e+00	1.2e-06	VPS24;VPS24
cg04721087	TRUE	0e+00	1.2e-06	C15orf23;C15orf23;C15orf23
cg09137630	TRUE	0e+00	1.2e-06	ZC3H4
cg13157980	TRUE	0e+00	1.2e-06	EIF2C2;EIF2C2
cg09916765	TRUE	0e+00	1.2e-06	WRB;WRB
cg04536844	TRUE	0e+00	1.2e-06	
cg19426522	TRUE	0e+00	1.2e-06	
cg08274097	TRUE	0e+00	1.3e-06	
cg02078882	FALSE	0e+00	1.3e-06	
cg24894764	TRUE	0e+00	1.3e-06	CXXC5
cg13667638	TRUE	0e+00	1.3e-06	
cg07578001	FALSE	0e+00	1.3e-06	
cg11253042	TRUE	0e+00	1.3e-06	
cg20560182	TRUE	0e+00	1.3e-06	TAF7
cg13373080	TRUE	0e+00	1.3e-06	FBXL7
cg02865068	TRUE	0e+00	1.3e-06	
cg23408285	TRUE	0e+00	1.3e-06	LOC153328
cg06056415	TRUE	0e+00	1.3e-06	
cg22096465	TRUE	0e+00	1.3e-06	
cg15445037	FALSE	0e+00	1.3e-06	CDH4
cg14278893	TRUE	0e+00	1.3e-06	POLR3C;POLR3C;RNF115
cg19585103	FALSE	0e+00	1.3e-06	SKAP1;SKAP1;SKAP1;SKAP1

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg03535648	TRUE	0e+00	1.3e-06	PMCH
cg16514214	TRUE	0e+00	1.3e-06	SSH2
cg14424407	TRUE	0e+00	1.3e-06	SRCIN1
cg21591624	TRUE	0e+00	1.3e-06	SLC6A5
cg06619939	TRUE	0e+00	1.3e-06	
cg22709811	TRUE	0e+00	1.3e-06	DNAJC11
cg11902180	TRUE	0e+00	1.3e-06	ARHGEF10
cg08764914	TRUE	0e+00	1.3e-06	
cg05857758	TRUE	0e+00	1.3e-06	
cg08743556	TRUE	0e+00	1.3e-06	RNF139
cg16290904	TRUE	0e+00	1.3e-06	PXMP3;PXMP3;PXMP3;PXMP3
cg14857596	TRUE	0e+00	1.3e-06	TBC1D15;TBC1D15;TBC1D15;TBC1D15;TBC1D15;TBC1D15;TBC1D15
cg11804833	TRUE	0e+00	1.3e-06	PTRF;PTRF
cg12545949	TRUE	0e+00	1.3e-06	SMAP1;SMAP1;B3GAT2
cg12383823	TRUE	0e+00	1.3e-06	RBM26
cg12920963	TRUE	0e+00	1.3e-06	LPCAT1
cg16970628	TRUE	0e+00	1.3e-06	TMEM132C
cg17171485	TRUE	0e+00	1.3e-06	HEBP2
cg06175999	TRUE	0e+00	1.3e-06	ANKRD1
cg18090197	TRUE	0e+00	1.3e-06	GPC2
cg19197922	TRUE	0e+00	1.3e-06	
cg11713515	FALSE	0e+00	1.3e-06	NSUN6
cg15949044	TRUE	0e+00	1.3e-06	PCDHGA4;PCDHGC3;PCDHGA12;PCDHGA11;PCDHGA11;PCDHGA11
cg00419159	TRUE	0e+00	1.3e-06	
cg19602694	TRUE	0e+00	1.3e-06	
cg05447833	TRUE	0e+00	1.3e-06	GDF6
cg04374393	TRUE	0e+00	1.3e-06	SOX14
cg18731327	TRUE	0e+00	1.3e-06	ZIC4;ZIC4;ZIC4
cg20823026	TRUE	0e+00	1.3e-06	
cg00040008	TRUE	0e+00	1.3e-06	KLHL2
cg23018181	TRUE	0e+00	1.3e-06	PLEKHA9;MIR1975;RNY5
cg03538430	TRUE	0e+00	1.3e-06	
cg21963703	TRUE	0e+00	1.3e-06	PCDHA7;PCDHA12;PCDHA6;PCDHA10;PCDHA4;PCDHA11;PCDHA11
cg08096946	TRUE	0e+00	1.3e-06	DIRC2
cg05349542	TRUE	0e+00	1.3e-06	GRID1
cg05493761	TRUE	0e+00	1.3e-06	AMIGO3;RNF123
cg15746891	TRUE	0e+00	1.3e-06	ZNF829;ZNF568;ZNF829
cg23965061	TRUE	0e+00	1.3e-06	TNFRSF10C;TNFRSF10C
cg01824625	TRUE	0e+00	1.3e-06	EPHA3;EPHA3
cg13371788	TRUE	0e+00	1.3e-06	VGLL2;VGLL2;VGLL2;VGLL2
cg02750743	TRUE	0e+00	1.3e-06	TESC;TESC;TESC
cg19920134	TRUE	0e+00	1.3e-06	STARD3NL
cg04168853	TRUE	0e+00	1.3e-06	
cg26900995	TRUE	0e+00	1.3e-06	CYTSB;CYTSB;CYTSB;CYTSB
cg11663376	TRUE	0e+00	1.3e-06	
cg14782735	TRUE	0e+00	1.3e-06	POLR3C;RNF115
cg12730853	TRUE	0e+00	1.3e-06	CACHD1
cg18845189	TRUE	0e+00	1.3e-06	
cg08371976	TRUE	0e+00	1.3e-06	
cg27394794	TRUE	0e+00	1.3e-06	A1CF;A1CF;A1CF
cg00290924	TRUE	0e+00	1.3e-06	ANKRD26
cg16938363	TRUE	0e+00	1.3e-06	

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg21410991	TRUE	0e+00	1.3e-06	ISL1
cg23178550	TRUE	0e+00	1.3e-06	
cg27348370	TRUE	0e+00	1.3e-06	LMOD2
cg18007935	TRUE	0e+00	1.3e-06	
cg14623989	TRUE	0e+00	1.3e-06	APCDD1
cg01610605	TRUE	0e+00	1.3e-06	A2BP1;A2BP1;A2BP1;A2BP1
cg08331513	FALSE	0e+00	1.3e-06	CDKN1C;CDKN1C;CDKN1C;CDKN1C;CDKN1C;CDKN1C
cg13390332	TRUE	0e+00	1.3e-06	CHMP6
cg00579960	TRUE	0e+00	1.3e-06	SFRS15;SFRS15;SFRS15
cg04335343	TRUE	0e+00	1.3e-06	GABBR1;GABBR1;GABBR1
cg01332181	TRUE	0e+00	1.3e-06	SLC1A5;SLC1A5
cg27320127	TRUE	0e+00	1.3e-06	KCNK12
cg18080903	TRUE	0e+00	1.3e-06	RNF130
cg20804050	TRUE	0e+00	1.3e-06	EN1;EN1
cg05190176	TRUE	0e+00	1.3e-06	VDR;VDR
cg23104951	TRUE	0e+00	1.3e-06	DAAM2
cg06733329	TRUE	0e+00	1.3e-06	MXD3;MXD3
cg03646605	TRUE	0e+00	1.3e-06	ME3;ME3;ME3
cg15357518	TRUE	0e+00	1.3e-06	RBM42
cg20951642	TRUE	0e+00	1.3e-06	
cg24924210	FALSE	0e+00	1.3e-06	SLC35E1
cg20953697	FALSE	0e+00	1.3e-06	NDUFA3
cg27583104	TRUE	0e+00	1.3e-06	HDAC4
cg14007179	FALSE	0e+00	1.3e-06	
cg19850024	TRUE	0e+00	1.3e-06	
cg21945930	TRUE	0e+00	1.3e-06	DLX6AS
cg20406090	TRUE	0e+00	1.3e-06	
cg19905445	FALSE	0e+00	1.3e-06	IRF2BP2;IRF2BP2
cg04482120	FALSE	0e+00	1.3e-06	
cg07583137	TRUE	0e+00	1.3e-06	CHMP4C
cg16589299	TRUE	0e+00	1.3e-06	EBF3
cg11020068	TRUE	0e+00	1.3e-06	ZFP62
cg12821804	TRUE	0e+00	1.3e-06	KCNQ1DN
cg15020425	TRUE	0e+00	1.3e-06	FGF3;FGF3
cg02571738	TRUE	0e+00	1.3e-06	CHSY3
cg14713933	TRUE	0e+00	1.3e-06	MYADM;MYADM;MYADM;MYADM;MYADM
cg26842024	TRUE	0e+00	1.3e-06	KLF2
cg05453893	TRUE	0e+00	1.3e-06	
cg10703845	TRUE	0e+00	1.3e-06	FAM116A
cg20682573	TRUE	0e+00	1.3e-06	ATP1B2
cg14296561	TRUE	0e+00	1.3e-06	BIRC3;BIRC3
cg14614811	TRUE	0e+00	1.3e-06	ADRA1B
cg00527307	TRUE	0e+00	1.3e-06	
cg01974656	FALSE	0e+00	1.3e-06	
cg16134717	TRUE	0e+00	1.3e-06	MAD2L2;C1orf187
cg16582344	TRUE	0e+00	1.3e-06	ARF1;ARF1;ARF1;ARF1
cg16577208	TRUE	0e+00	1.3e-06	GLI3
cg09278656	TRUE	0e+00	1.3e-06	BBS2
cg21937169	FALSE	0e+00	1.3e-06	ASL;ASL;ASL;ASL
cg19369022	TRUE	0e+00	1.3e-06	
cg01961949	TRUE	0e+00	1.3e-06	FAM195B;FAM195B;DYSFIP1
cg21495653	TRUE	0e+00	1.3e-06	LOC285548

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg09439920	TRUE	0e+00	1.3e-06	TBC1D23
cg11384848	TRUE	0e+00	1.3e-06	SPSB4
cg11212038	TRUE	0e+00	1.3e-06	BRIP1
cg03919488	TRUE	0e+00	1.3e-06	PPM1H
cg11626153	TRUE	0e+00	1.3e-06	RNF7;RNF7
cg01784825	TRUE	0e+00	1.4e-06	
cg16805291	TRUE	0e+00	1.4e-06	
cg17890828	FALSE	0e+00	1.4e-06	HAUS5
cg13201808	TRUE	0e+00	1.4e-06	
cg15571561	TRUE	0e+00	1.4e-06	ARPP-21
cg10171357	TRUE	0e+00	1.4e-06	
cg18031675	TRUE	0e+00	1.4e-06	PRR15
cg00417323	TRUE	0e+00	1.4e-06	
cg16103990	TRUE	0e+00	1.4e-06	MYO3A
cg02842704	TRUE	0e+00	1.4e-06	GLRA1;GLRA1
cg14442421	TRUE	0e+00	1.4e-06	SLC24A2
cg00811065	TRUE	0e+00	1.4e-06	
cg20555477	TRUE	0e+00	1.4e-06	HNRNPK;HNRNPK;RMI1;HNRNPK
cg24703420	TRUE	0e+00	1.4e-06	
cg02527372	TRUE	0e+00	1.4e-06	MT1F
cg21006539	TRUE	0e+00	1.4e-06	DEFA4
cg14413700	TRUE	0e+00	1.4e-06	FAM184A
cg13576290	TRUE	0e+00	1.4e-06	FAM179A
cg24172324	TRUE	0e+00	1.4e-06	
cg23165310	TRUE	0e+00	1.4e-06	SOX2OT
cg06938235	FALSE	0e+00	1.4e-06	PA2G4;PA2G4
cg22037919	TRUE	0e+00	1.4e-06	CCM2;CCM2;CCM2;CCM2
cg18999314	TRUE	0e+00	1.4e-06	NTM
cg01886514	TRUE	0e+00	1.4e-06	
cg18555199	TRUE	0e+00	1.4e-06	FXR1;FXR1;FXR1;FXR1
cg08675262	TRUE	0e+00	1.4e-06	DRD1
cg01970519	TRUE	0e+00	1.4e-06	NPAS1
cg00409260	TRUE	0e+00	1.4e-06	JRK;JRK
cg23951198	FALSE	0e+00	1.4e-06	CBLN3;KHNYN;KHNYN
cg14492302	TRUE	0e+00	1.4e-06	FLJ36000
cg25629790	TRUE	0e+00	1.4e-06	PODN
cg17834180	TRUE	0e+00	1.4e-06	IKZF5;IKZF5;ACADSB
cg04187935	FALSE	0e+00	1.4e-06	
cg19566648	TRUE	0e+00	1.4e-06	RPS6KA2
cg20979926	FALSE	0e+00	1.4e-06	NAA25
cg14161400	TRUE	0e+00	1.4e-06	NDUFAF4
cg06144381	TRUE	0e+00	1.4e-06	IER2
cg25524464	TRUE	0e+00	1.4e-06	
cg08449860	FALSE	0e+00	1.4e-06	C17orf28
cg13931134	TRUE	0e+00	1.4e-06	
cg23859888	TRUE	0e+00	1.4e-06	COLEC11;COLEC11
cg14143241	TRUE	0e+00	1.4e-06	TMEM43;CHCHD4;CHCHD4;TMEM43
cg08682607	TRUE	0e+00	1.4e-06	
cg12074545	TRUE	0e+00	1.4e-06	ZNF35
cg17607973	TRUE	0e+00	1.4e-06	MEPCE;ZCWPW1
cg20942162	TRUE	0e+00	1.4e-06	
cg00726786	TRUE	0e+00	1.4e-06	MTERFD2;MTERFD2;MTERFD2;MTERFD2

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg17735131	FALSE	0e+00	1.4e-06	C7orf23
cg22774605	TRUE	0e+00	1.4e-06	TNFRSF21
cg14837598	TRUE	0e+00	1.4e-06	EPB49;EPB49;EPB49;EPB49;EPB49;EPB49
cg02875118	TRUE	0e+00	1.4e-06	NCAM1;NCAM1;NCAM1
cg05219900	TRUE	0e+00	1.4e-06	TLN1;CREB3;CREB3
cg21076211	TRUE	0e+00	1.4e-06	FICD
cg06491548	TRUE	0e+00	1.4e-06	PDIA6
cg19014419	TRUE	0e+00	1.4e-06	ZNF300
cg11237852	TRUE	0e+00	1.4e-06	
cg08381046	TRUE	0e+00	1.4e-06	
cg08382534	TRUE	0e+00	1.4e-06	SLC38A8
cg10642188	TRUE	0e+00	1.4e-06	ATAD2
cg06197774	FALSE	0e+00	1.4e-06	
cg16807297	TRUE	0e+00	1.4e-06	
cg00732845	TRUE	0e+00	1.4e-06	
cg08081524	TRUE	0e+00	1.4e-06	C6orf134
cg10912240	TRUE	0e+00	1.4e-06	FOXG1
cg17101778	TRUE	0e+00	1.4e-06	SH2B1;SH2B1;SH2B1;SH2B1;SH2B1;SH2B1
cg24641125	TRUE	0e+00	1.4e-06	HMG1
cg14864853	TRUE	0e+00	1.4e-06	RGS7BP
cg10796749	TRUE	0e+00	1.4e-06	RBP7
cg10719100	FALSE	0e+00	1.4e-06	COMMD5;COMMD5;COMMD5
cg01811325	TRUE	0e+00	1.4e-06	EBF3
cg21391741	TRUE	0e+00	1.4e-06	MMEL1
cg15525053	TRUE	0e+00	1.4e-06	
cg20037507	TRUE	0e+00	1.4e-06	
cg12517452	TRUE	0e+00	1.4e-06	ITGA1;PELO;PELO
cg13023014	TRUE	0e+00	1.4e-06	STOX2
cg01011614	TRUE	0e+00	1.4e-06	ZNF335
cg02683577	TRUE	0e+00	1.4e-06	
cg01293207	TRUE	0e+00	1.4e-06	
cg04897683	TRUE	0e+00	1.4e-06	NEUROG1;NEUROG1
cg25438801	TRUE	0e+00	1.4e-06	DIP2C
cg11450715	TRUE	0e+00	1.4e-06	
cg09229893	TRUE	0e+00	1.4e-06	BMP4;BMP4
cg14781541	TRUE	0e+00	1.4e-06	SFPQ
cg05711235	TRUE	0e+00	1.4e-06	
cg03383006	FALSE	0e+00	1.4e-06	GFAP;GFAP
cg16713551	TRUE	0e+00	1.4e-06	
cg18587484	TRUE	0e+00	1.4e-06	TJAP1;TJAP1;TJAP1;TJAP1;TJAP1;TJAP1
cg21290042	TRUE	0e+00	1.4e-06	CNIH3
cg10383568	TRUE	0e+00	1.4e-06	DNHD1
cg21522303	TRUE	0e+00	1.4e-06	ST6GALNAC2
cg09454882	FALSE	0e+00	1.4e-06	FAM189A1
cg16632096	TRUE	0e+00	1.4e-06	TAPBP;TAPBP;TAPBP
cg03902729	TRUE	0e+00	1.4e-06	NAGS;PYY
cg15899410	TRUE	0e+00	1.4e-06	UBE2Q2;UBE2Q2;UBE2Q2
cg16554516	FALSE	0e+00	1.5e-06	RASSF5;RASSF5
cg11719297	TRUE	0e+00	1.5e-06	RIPK4
cg07867052	TRUE	0e+00	1.5e-06	PDCD11;USMG5
cg15059548	TRUE	0e+00	1.5e-06	TNS3
cg07178733	TRUE	0e+00	1.5e-06	

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg26619317	TRUE	0e+00	1.5e-06	CNN3
cg23047434	TRUE	0e+00	1.5e-06	HOXC4;HOXC6;HOXC5
cg11277355	TRUE	0e+00	1.5e-06	TAS2R38
cg22742060	TRUE	0e+00	1.5e-06	
cg07274716	TRUE	0e+00	1.5e-06	PITX1
cg00201196	TRUE	0e+00	1.5e-06	C16orf68
cg02115041	TRUE	0e+00	1.5e-06	NPBWR1
cg10307145	TRUE	0e+00	1.5e-06	
cg04938381	TRUE	0e+00	1.5e-06	ARSG
cg20514083	TRUE	0e+00	1.5e-06	
cg24155294	TRUE	0e+00	1.5e-06	
cg00484358	TRUE	0e+00	1.5e-06	ALX3
cg06525892	FALSE	0e+00	1.5e-06	ARL10
cg18299578	TRUE	0e+00	1.5e-06	FOXG1
cg06230847	TRUE	0e+00	1.5e-06	TRIM39;TRIM39
cg12307764	TRUE	0e+00	1.5e-06	RPUSD2
cg09962925	FALSE	0e+00	1.5e-06	
cg07286881	FALSE	0e+00	1.5e-06	MYBPC2
cg07199592	TRUE	0e+00	1.5e-06	
cg15991975	TRUE	0e+00	1.5e-06	NDUFV3;NDUFV3
cg25492583	TRUE	0e+00	1.5e-06	
cg03545227	TRUE	0e+00	1.5e-06	PTPRN
cg01503706	TRUE	0e+00	1.5e-06	NPTXR
cg17504991	TRUE	0e+00	1.5e-06	DAXX;DAXX;DAXX;DAXX
cg06061033	FALSE	0e+00	1.5e-06	GINS2
cg21010407	TRUE	0e+00	1.5e-06	
cg01715910	TRUE	0e+00	1.5e-06	MED11
cg26968498	TRUE	0e+00	1.5e-06	
cg26641996	TRUE	0e+00	1.5e-06	AGAP1;AGAP1
cg02783086	TRUE	0e+00	1.5e-06	
cg08542473	TRUE	0e+00	1.5e-06	KRT85
cg10901258	TRUE	0e+00	1.5e-06	MSL2;MSL2
cg26611184	FALSE	0e+00	1.5e-06	STK24
cg02664812	TRUE	0e+00	1.5e-06	
cg02455820	TRUE	0e+00	1.5e-06	
cg09515568	FALSE	0e+00	1.5e-06	C10orf84;C10orf84
cg18410444	TRUE	0e+00	1.5e-06	LYSMD3
cg04216235	TRUE	0e+00	1.5e-06	
cg16065021	TRUE	0e+00	1.5e-06	
cg20134215	TRUE	0e+00	1.5e-06	MCHR2;MCHR2
cg13382567	TRUE	0e+00	1.5e-06	SRRM4
cg22562461	TRUE	0e+00	1.5e-06	GRM3
cg06729381	TRUE	0e+00	1.5e-06	SYT7
cg16664394	TRUE	0e+00	1.5e-06	CCNO
cg07565236	TRUE	0e+00	1.5e-06	CDT1
cg06926349	TRUE	0e+00	1.5e-06	TFPT;TFPT;PRPF31
cg26309134	TRUE	0e+00	1.5e-06	ZNF542;ZNF542;ZNF542;ZNF542
cg07369190	TRUE	0e+00	1.5e-06	PCP4L1
cg16092895	TRUE	0e+00	1.5e-06	PPP1R1A
cg25350703	TRUE	0e+00	1.5e-06	
cg08386098	TRUE	0e+00	1.5e-06	ZNF283;ZNF283
cg01813033	TRUE	0e+00	1.5e-06	CTGF



CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg16530881	TRUE	0e+00	1.5e-06	
cg04474190	TRUE	0e+00	1.5e-06	
cg19430489	TRUE	0e+00	1.5e-06	GLIPR1L1
cg20988109	TRUE	0e+00	1.5e-06	LOC492303;ZNF326;ZNF326
cg07015911	TRUE	0e+00	1.5e-06	HOXB4
cg15267112	FALSE	0e+00	1.5e-06	NCRNA00171
cg03423077	TRUE	0e+00	1.5e-06	LOC339524;LOC339524;LOC339524;LOC339524;LOC339524
cg02712224	TRUE	0e+00	1.5e-06	TBX5;TBX5;TBX5;TBX5
cg00622318	TRUE	0e+00	1.5e-06	
cg10426370	TRUE	0e+00	1.5e-06	ESM1;ESM1
cg04842953	TRUE	0e+00	1.5e-06	TIMM17A
cg17888232	TRUE	0e+00	1.5e-06	KIF26B
cg16931499	TRUE	0e+00	1.5e-06	DBF4B;DBF4B
cg06825039	TRUE	0e+00	1.5e-06	SP8;SP8
cg15233292	TRUE	0e+00	1.5e-06	YWHAH;C22orf24
cg03469082	TRUE	0e+00	1.5e-06	GABRG1
cg12400956	TRUE	0e+00	1.5e-06	
cg09584978	TRUE	0e+00	1.5e-06	ELFN2
cg05544840	TRUE	0e+00	1.5e-06	
cg00319168	TRUE	0e+00	1.5e-06	HOXD13
cg12353549	TRUE	0e+00	1.5e-06	PSMD11
cg16368763	TRUE	0e+00	1.5e-06	
cg08405119	TRUE	0e+00	1.5e-06	RASL11B
cg21838334	TRUE	0e+00	1.5e-06	NES
cg10236745	TRUE	0e+00	1.5e-06	STK38L
cg03003689	FALSE	0e+00	1.5e-06	CRABP2
cg11976407	TRUE	0e+00	1.5e-06	PHC2;PHC2
cg16457797	TRUE	0e+00	1.5e-06	PFN3
cg14194496	TRUE	0e+00	1.5e-06	
cg05051152	TRUE	0e+00	1.5e-06	ATAD2
cg15837233	TRUE	0e+00	1.5e-06	TBR1
cg04102199	TRUE	0e+00	1.5e-06	CRADD
cg22455527	TRUE	0e+00	1.5e-06	
cg06484232	TRUE	0e+00	1.5e-06	OR5E4
cg15866011	TRUE	0e+00	1.5e-06	NUMB;NUMB;NUMB;NUMB
cg10991681	TRUE	0e+00	1.6e-06	KIF3B
cg00582524	TRUE	0e+00	1.6e-06	SALL1;SALL1;SALL1
cg01366419	TRUE	0e+00	1.6e-06	WBSCR17
cg16304914	FALSE	0e+00	1.6e-06	ST3GAL3;ST3GAL3;ST3GAL3;ST3GAL3;ST3GAL3;ST3GAL3;ST3GAL3
cg11249902	TRUE	0e+00	1.6e-06	
cg15801019	TRUE	0e+00	1.6e-06	LAMA2;LAMA2
cg14702927	FALSE	0e+00	1.6e-06	FOXA3;SYMPK;SYMPK
cg27464877	FALSE	0e+00	1.6e-06	
cg26130488	TRUE	0e+00	1.6e-06	
cg26662410	TRUE	0e+00	1.6e-06	
cg02461956	TRUE	0e+00	1.6e-06	NCAPD3;VPS26B;NCAPD3
cg02454220	TRUE	0e+00	1.6e-06	SLC25A44;SLC25A44
cg15164180	TRUE	0e+00	1.6e-06	
cg10312802	TRUE	0e+00	1.6e-06	NRP1;NRP1;NRP1
cg25281186	TRUE	0e+00	1.6e-06	
cg22495480	TRUE	0e+00	1.6e-06	EIF1B
cg09317239	TRUE	0e+00	1.6e-06	

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg22832044	TRUE	0e+00	1.6e-06	CDH1
cg10950272	TRUE	0e+00	1.6e-06	GLI3
cg21560076	TRUE	0e+00	1.6e-06	EXPH5;EXPH5
cg26226802	TRUE	0e+00	1.6e-06	GLRA3;GLRA3
cg04139429	TRUE	0e+00	1.6e-06	LRIG2
cg11811216	TRUE	0e+00	1.6e-06	CHAT;CHAT;CHAT;CHAT;CHAT;CHAT;CHAT;CHAT;CHAT
cg05714579	TRUE	0e+00	1.6e-06	MGMT
cg27545367	TRUE	0e+00	1.6e-06	IER3;FLOT1
cg09170311	TRUE	0e+00	1.6e-06	C11orf88;C11orf88
cg02639181	TRUE	0e+00	1.6e-06	KIDINS220
cg00407457	TRUE	0e+00	1.6e-06	MLLT4;MLLT4;C6orf124;MLLT4
cg05303448	TRUE	0e+00	1.6e-06	AACS
cg15963552	TRUE	0e+00	1.6e-06	C3orf26;FILIP1L;MIR548G;FILIP1L;FILIP1L;FILIP1L
cg10403251	TRUE	0e+00	1.6e-06	C16orf72
cg17559711	TRUE	0e+00	1.6e-06	JUB;JUB
cg03658690	TRUE	0e+00	1.6e-06	C6orf25;C6orf25;C6orf25;C6orf25;C6orf25;C6orf25
cg17212943	TRUE	0e+00	1.6e-06	AMOTL2
cg13787610	TRUE	0e+00	1.6e-06	ODZ4
cg16920502	FALSE	0e+00	1.6e-06	KCNQ3
cg08534147	TRUE	0e+00	1.6e-06	PLXNB1;PLXNB1
cg15688370	TRUE	0e+00	1.6e-06	NPHP3;NCRNA00119
cg18384778	TRUE	0e+00	1.6e-06	
cg10970409	TRUE	0e+00	1.6e-06	VIPR1
cg08410921	TRUE	0e+00	1.6e-06	HIST1H2AG;HIST1H2AG;HIST1H2BJ
cg09989251	TRUE	0e+00	1.6e-06	
cg19861824	TRUE	0e+00	1.6e-06	LDB2;LDB2
cg23008153	TRUE	0e+00	1.6e-06	RNF180;RNF180
cg07423155	TRUE	0e+00	1.6e-06	AHCYL1
cg25288068	TRUE	0e+00	1.6e-06	
cg20186067	TRUE	0e+00	1.6e-06	
cg13891659	FALSE	0e+00	1.6e-06	C6orf122;C6orf208
cg23514375	TRUE	0e+00	1.6e-06	DCUN1D2
cg13252915	TRUE	0e+00	1.6e-06	
cg04892758	TRUE	0e+00	1.6e-06	A2BP1;A2BP1;A2BP1
cg12137439	TRUE	0e+00	1.6e-06	HSF2BP
cg23941527	TRUE	0e+00	1.6e-06	FLJ42709;FLJ42709
cg21234471	FALSE	0e+00	1.6e-06	SEMA4D;SEMA4D
cg20318845	TRUE	0e+00	1.6e-06	SIX2
cg03404550	TRUE	0e+00	1.6e-06	
cg14496983	TRUE	0e+00	1.6e-06	RNASE4;ANG
cg03222257	FALSE	0e+00	1.6e-06	LSM1;BAG4
cg23716449	FALSE	0e+00	1.6e-06	GFRA2;GFRA2;GFRA2
cg13273396	TRUE	0e+00	1.6e-06	ACSS3;ACSS3
cg11072119	TRUE	0e+00	1.6e-06	RAP1GAP;RAP1GAP;RAP1GAP
cg11823214	TRUE	0e+00	1.6e-06	NUF2;NUF2
cg01332403	TRUE	0e+00	1.6e-06	TSNAXIP1;RANBP10
cg10632209	TRUE	0e+00	1.6e-06	PRDM6
cg25746778	TRUE	0e+00	1.6e-06	EBF3
cg20156985	TRUE	0e+00	1.6e-06	
cg27533244	TRUE	0e+00	1.6e-06	ADAMTS17
cg25106783	TRUE	0e+00	1.6e-06	PRR4;TAS2R43;TAS2R43;PRH1
cg07278975	TRUE	0e+00	1.6e-06	NARS2;NARS2

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg05756754	TRUE	0e+00	1.6e-06	FARP1;FARP1
cg05309948	TRUE	0e+00	1.6e-06	ASCL2
cg21902754	TRUE	0e+00	1.6e-06	ZNF701
cg04217082	TRUE	0e+00	1.6e-06	EIF4EBP1
cg12692187	TRUE	0e+00	1.6e-06	KIF11
cg20556951	TRUE	0e+00	1.6e-06	SP6
cg10477079	TRUE	0e+00	1.6e-06	GPHN;GPHN
cg20486407	TRUE	0e+00	1.6e-06	RSAD2
cg15297220	TRUE	0e+00	1.6e-06	
cg08766915	FALSE	0e+00	1.6e-06	HERPUD2;HERPUD2
cg21851351	TRUE	0e+00	1.6e-06	GSX1
cg21766898	TRUE	0e+00	1.6e-06	TFAP2B
cg17704189	TRUE	0e+00	1.6e-06	FEZF1;FEZF1
cg18969256	TRUE	0e+00	1.6e-06	SIRPA;SIRPA;SIRPA
cg07047570	TRUE	0e+00	1.6e-06	INSM1;INSM1
cg16339286	TRUE	0e+00	1.6e-06	SDK1
cg16236108	TRUE	0e+00	1.6e-06	AGPAT9
cg20801645	TRUE	0e+00	1.6e-06	
cg13353717	TRUE	0e+00	1.6e-06	HLA-DQB1
cg15769840	TRUE	0e+00	1.6e-06	
cg24365837	TRUE	0e+00	1.6e-06	APITD1;CORT
cg05499367	TRUE	0e+00	1.6e-06	TMEM26
cg05969306	TRUE	0e+00	1.6e-06	NUDT15
cg12226430	TRUE	0e+00	1.6e-06	MED31;C17orf100;MED31
cg25452632	TRUE	0e+00	1.6e-06	STAT2
cg13980233	TRUE	0e+00	1.6e-06	LOC286094
cg26355004	TRUE	0e+00	1.6e-06	C4orf19
cg10929210	TRUE	0e+00	1.6e-06	DNAH6
cg04931216	TRUE	0e+00	1.6e-06	DMRTA2
cg00929798	TRUE	0e+00	1.6e-06	CALY
cg11077516	TRUE	0e+00	1.6e-06	ZIC5
cg17948136	TRUE	0e+00	1.6e-06	
cg02768671	TRUE	0e+00	1.6e-06	
cg20417071	TRUE	0e+00	1.6e-06	
cg02160746	TRUE	0e+00	1.6e-06	
cg11519176	TRUE	0e+00	1.6e-06	BGLAP
cg26063037	TRUE	0e+00	1.6e-06	EPHX2
cg01130771	TRUE	0e+00	1.6e-06	
cg05884711	TRUE	0e+00	1.6e-06	ATP6V0C
cg07492746	TRUE	0e+00	1.6e-06	TM9SF1;TM9SF1;IPO4
cg01098812	TRUE	0e+00	1.6e-06	
cg25626312	TRUE	0e+00	1.6e-06	CREB3L1
cg22237401	FALSE	0e+00	1.6e-06	TRMT1;NACC1;TRMT1;TRMT1
cg26446717	FALSE	0e+00	1.6e-06	KIAA1191;KIAA1191;KIAA1191
cg13934277	TRUE	0e+00	1.6e-06	KIAA0146
cg08733774	TRUE	0e+00	1.6e-06	RANBP2
cg21532801	FALSE	0e+00	1.7e-06	PPP4R1L
cg21116846	FALSE	0e+00	1.7e-06	
cg12700464	TRUE	0e+00	1.7e-06	GAB2
cg14554101	TRUE	0e+00	1.7e-06	SETD3;CCNK;CCNK;SETD3
cg13529640	FALSE	0e+00	1.7e-06	ARL5B
cg25455811	TRUE	0e+00	1.7e-06	TBCA

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg15947959	TRUE	0e+00	1.7e-06	ERGIC1
cg10967866	TRUE	0e+00	1.7e-06	INPP5A
cg06888387	TRUE	0e+00	1.7e-06	SLBP
cg06165395	TRUE	0e+00	1.7e-06	GRIK3
cg08730330	TRUE	0e+00	1.7e-06	PSMC5;FTSJ3;FTSJ3
cg27346707	TRUE	0e+00	1.7e-06	MEGF10
cg12532095	TRUE	0e+00	1.7e-06	
cg00461735	TRUE	0e+00	1.7e-06	C1orf31
cg10926516	TRUE	0e+00	1.7e-06	MBTPS1
cg21899921	TRUE	0e+00	1.7e-06	RFC2;RFC2
cg23460057	TRUE	0e+00	1.7e-06	ADRB3
cg24719910	TRUE	0e+00	1.7e-06	TGFBR2;TGFBR2
cg04364194	TRUE	0e+00	1.7e-06	ARL8A
cg00911981	TRUE	0e+00	1.7e-06	ATR
cg13818875	FALSE	0e+00	1.7e-06	C5orf42
cg00641210	TRUE	0e+00	1.7e-06	BCL6B
cg00217225	TRUE	0e+00	1.7e-06	
cg13952988	TRUE	0e+00	1.7e-06	RPLP0;RPLP0
cg06056884	TRUE	0e+00	1.7e-06	MUC15;MUC15;MUC15;MUC15;MUC15;ANO3;MUC15
cg02042310	TRUE	0e+00	1.7e-06	
cg04140932	TRUE	0e+00	1.7e-06	
cg21273125	TRUE	0e+00	1.7e-06	ABHD2;ABHD2;ABHD2;ABHD2
cg01494454	TRUE	0e+00	1.7e-06	BCAT1
cg21386414	TRUE	0e+00	1.7e-06	
cg17529965	TRUE	0e+00	1.7e-06	PSTPIP1
cg01499172	TRUE	0e+00	1.7e-06	DAAM2
cg00109274	TRUE	0e+00	1.7e-06	DGKH;DGKH
cg26228280	TRUE	0e+00	1.7e-06	VPS13D;VPS13D
cg05854894	FALSE	0e+00	1.7e-06	RALBP1
cg26681875	TRUE	0e+00	1.7e-06	PMAIP1
cg27091233	TRUE	0e+00	1.7e-06	BAT3;BAT3;BAT3;BAT3
cg09461545	TRUE	0e+00	1.7e-06	SEL1L3
cg12379307	TRUE	0e+00	1.7e-06	SMPDL3A
cg16347155	TRUE	0e+00	1.7e-06	NAGLU
cg18633990	TRUE	0e+00	1.7e-06	
cg12796306	TRUE	0e+00	1.7e-06	C8orf46
cg14502850	TRUE	0e+00	1.7e-06	C1QL4
cg10319399	FALSE	0e+00	1.7e-06	PLEC1;PLEC1;PLEC1;PLEC1;PLEC1;PLEC1
cg11365440	TRUE	0e+00	1.7e-06	LRRC2;LRRC2
cg14967020	TRUE	0e+00	1.7e-06	PHF21B;PHF21B
cg02223067	TRUE	0e+00	1.7e-06	MCF2L
cg09254001	TRUE	0e+00	1.7e-06	IKBIP;APAF1;IKBIP;APAF1;APAF1;APAF1;IKBIP;APAF1
cg13300915	TRUE	0e+00	1.7e-06	
cg09163005	TRUE	0e+00	1.7e-06	H2AFJ;H2AFJ
cg10850001	TRUE	0e+00	1.7e-06	RNASE4;ANG;ANG
cg09444226	TRUE	0e+00	1.7e-06	APOLD1
cg26841894	TRUE	0e+00	1.7e-06	
cg20753620	TRUE	0e+00	1.7e-06	IPO7
cg16573346	TRUE	0e+00	1.7e-06	MAPT;MAPT;MAPT;MAPT;MAPT;MAPT
cg10485768	TRUE	0e+00	1.7e-06	
cg26112457	TRUE	0e+00	1.7e-06	APOB
cg02126788	TRUE	0e+00	1.7e-06	NHLH2;NHLH2

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg01776926	TRUE	0e+00	1.7e-06	MED13L
cg00354437	TRUE	0e+00	1.7e-06	
cg06605933	TRUE	0e+00	1.7e-06	BOLA1
cg19899225	TRUE	0e+00	1.7e-06	
cg18855621	TRUE	0e+00	1.7e-06	EGFLAM;EGFLAM;EGFLAM
cg02705835	TRUE	0e+00	1.7e-06	CCDC71
cg14741153	TRUE	0e+00	1.7e-06	PLCE1
cg25021900	FALSE	0e+00	1.7e-06	LRP1
cg24016995	TRUE	0e+00	1.7e-06	PTPRE;PTPRE
cg24398932	TRUE	0e+00	1.7e-06	SLFN5
cg26380291	TRUE	0e+00	1.7e-06	TCF7L2;TCF7L2;TCF7L2;TCF7L2;TCF7L2;TCF7L2
cg10768548	TRUE	0e+00	1.7e-06	ACOXL;ACOXL;ACOXL
cg08072251	TRUE	0e+00	1.7e-06	SLC6A1
cg10112854	TRUE	0e+00	1.7e-06	CDYL2
cg26918987	TRUE	0e+00	1.7e-06	
cg13078161	TRUE	0e+00	1.7e-06	FOSB;FOSB;FOSB;FOSB
cg16655084	TRUE	0e+00	1.7e-06	GLT25D2
cg07544102	TRUE	0e+00	1.7e-06	COL6A2
cg01815076	TRUE	0e+00	1.7e-06	SLC35B3;SLC35B3;SLC35B3
cg00893538	TRUE	0e+00	1.7e-06	SLC19A2;SLC19A2
cg14498666	TRUE	0e+00	1.7e-06	PTPLAD2
cg21434376	TRUE	0e+00	1.7e-06	TBC1D9
cg00808086	TRUE	0e+00	1.7e-06	
cg02398663	TRUE	0e+00	1.7e-06	
cg24160312	TRUE	0e+00	1.7e-06	IL4I1;IL4I1
cg16049597	TRUE	0e+00	1.7e-06	
cg15127832	TRUE	0e+00	1.7e-06	STOX2
cg21518056	FALSE	0e+00	1.7e-06	NUDT19
cg03145987	TRUE	0e+00	1.7e-06	LYST
cg22723675	TRUE	0e+00	1.7e-06	
cg00963169	TRUE	0e+00	1.7e-06	ELAVL4
cg21766191	TRUE	0e+00	1.7e-06	CIT
cg05045981	TRUE	0e+00	1.7e-06	
cg22492020	TRUE	0e+00	1.7e-06	TIPIN
cg25789277	TRUE	0e+00	1.7e-06	
cg19938295	FALSE	0e+00	1.7e-06	BAT5
cg22698629	TRUE	0e+00	1.7e-06	VWA5B1
cg04672538	FALSE	0e+00	1.7e-06	ARSG;SLC16A6
cg18843944	FALSE	0e+00	1.7e-06	PTPRN2;PTPRN2;PTPRN2
cg07449758	TRUE	0e+00	1.7e-06	C6orf25;C6orf25;C6orf25;C6orf25;C6orf25;C6orf25
cg16284279	TRUE	0e+00	1.7e-06	
cg16691033	FALSE	0e+00	1.7e-06	PPAP2C;PPAP2C;PPAP2C
cg11569933	TRUE	0e+00	1.7e-06	BAT4
cg11118422	TRUE	0e+00	1.7e-06	
cg00562180	TRUE	0e+00	1.7e-06	
cg12502403	TRUE	0e+00	1.7e-06	MARK2;MARK2;MARK2;MARK2
cg02048505	TRUE	0e+00	1.7e-06	C7orf57
cg27206407	TRUE	0e+00	1.7e-06	
cg10055771	TRUE	0e+00	1.7e-06	C1orf51
cg23093580	TRUE	0e+00	1.7e-06	NDUFS5
cg11982293	TRUE	0e+00	1.7e-06	
cg07059469	TRUE	0e+00	1.7e-06	ESR1;ESR1;ESR1;ESR1

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg16715857	TRUE	0e+00	1.7e-06	CLEC4GP1
cg05482942	TRUE	0e+00	1.7e-06	
cg05635562	TRUE	0e+00	1.7e-06	LEPREL1;LEPREL1
cg11371394	TRUE	0e+00	1.7e-06	TGFBRAP1;TGFBRAP1
cg25605102	TRUE	0e+00	1.7e-06	
cg06403317	FALSE	0e+00	1.7e-06	TCF7L2;TCF7L2;TCF7L2;TCF7L2;TCF7L2;TCF7L2
cg25374552	TRUE	0e+00	1.8e-06	ELP3
cg11630206	TRUE	0e+00	1.8e-06	MAP6;MAP6
cg05228284	FALSE	0e+00	1.8e-06	DIRAS1
cg24766327	TRUE	0e+00	1.8e-06	
cg02163937	FALSE	0e+00	1.8e-06	FAM53B
cg05785724	TRUE	0e+00	1.8e-06	LAYN
cg14082645	TRUE	0e+00	1.8e-06	
cg03589207	TRUE	0e+00	1.8e-06	GTF2E2
cg02567879	TRUE	0e+00	1.8e-06	C1orf187
cg00889031	TRUE	0e+00	1.8e-06	PSMB8;PSMB8
cg21899473	TRUE	0e+00	1.8e-06	
cg02899870	TRUE	0e+00	1.8e-06	NECAB3;NECAB3
cg22455914	TRUE	0e+00	1.8e-06	LAMA1
cg00260114	TRUE	0e+00	1.8e-06	CAST;CAST;CAST;CAST;CAST
cg23587717	TRUE	0e+00	1.8e-06	BRP44L
cg17334389	TRUE	0e+00	1.8e-06	FAM57A
cg09259037	TRUE	0e+00	1.8e-06	TBX18
cg04977610	FALSE	0e+00	1.8e-06	CD2BP2;CD2BP2;CD2BP2
cg04402350	TRUE	0e+00	1.8e-06	ZNF827
cg24476103	TRUE	0e+00	1.8e-06	RUNX1T1
cg16200569	TRUE	0e+00	1.8e-06	RPS26
cg07567260	TRUE	0e+00	1.8e-06	GPR108;GPR108
cg22999025	TRUE	0e+00	1.8e-06	
cg08070327	TRUE	0e+00	1.8e-06	HOXA5
cg21787880	TRUE	0e+00	1.8e-06	FAM175A
cg02802062	FALSE	0e+00	1.8e-06	NCEH1;NCEH1;NCEH1;NCEH1;NCEH1;NCEH1
cg18611281	TRUE	0e+00	1.8e-06	ZNF512
cg25294185	TRUE	0e+00	1.8e-06	RNASEH2C
cg23564700	TRUE	0e+00	1.8e-06	EPB41L3
cg13233545	TRUE	0e+00	1.8e-06	
cg18932078	TRUE	0e+00	1.8e-06	MMEL1
cg15444947	TRUE	0e+00	1.8e-06	TRIL
cg00624418	TRUE	0e+00	1.8e-06	TERT;TERT
cg26848248	TRUE	0e+00	1.8e-06	SSR1
cg13968099	FALSE	0e+00	1.8e-06	CCNG1;CCNG1;CCNG1
cg22001533	TRUE	0e+00	1.8e-06	NRXN1;NRXN1;NRXN1;NRXN1
cg14150148	TRUE	0e+00	1.8e-06	
cg05528492	TRUE	0e+00	1.8e-06	ADAP1
cg23948080	TRUE	0e+00	1.8e-06	VASH1
cg26298599	TRUE	0e+00	1.8e-06	
cg18512901	TRUE	0e+00	1.8e-06	
cg06621452	TRUE	0e+00	1.8e-06	MALL
cg16899036	TRUE	0e+00	1.8e-06	HOMER3
cg08190844	TRUE	0e+00	1.8e-06	TBC1D24
cg08475096	TRUE	0e+00	1.8e-06	GRIA2;GRIA2;GRIA2
cg25574175	TRUE	0e+00	1.8e-06	NR1I2;NR1I2;NR1I2;NR1I2;NR1I2

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg21187770	TRUE	0e+00	1.8e-06	KIF3C
cg15563237	FALSE	0e+00	1.8e-06	CMPK1;CMPK1
cg24279744	TRUE	0e+00	1.8e-06	ATP2B2;ATP2B2
cg09117442	TRUE	0e+00	1.8e-06	
cg02976054	FALSE	0e+00	1.8e-06	
cg25324653	TRUE	0e+00	1.8e-06	
cg11203313	TRUE	0e+00	1.8e-06	ISPD;ISPD
cg15201110	TRUE	0e+00	1.8e-06	AHCYL1;AHCYL1
cg00281152	FALSE	0e+00	1.8e-06	TBRG1;TBRG1
cg08348461	TRUE	0e+00	1.8e-06	LOC151162
cg02212389	TRUE	0e+00	1.8e-06	NUB1
cg17092523	TRUE	0e+00	1.8e-06	VAMP1;VAMP1;VAMP1
cg22852065	TRUE	0e+00	1.8e-06	SPATA18
cg25105745	TRUE	0e+00	1.8e-06	MIR197
cg26974880	TRUE	0e+00	1.8e-06	
cg08823244	TRUE	0e+00	1.8e-06	
cg17711521	TRUE	0e+00	1.8e-06	
cg12638731	TRUE	0e+00	1.8e-06	NBEA
cg10395806	TRUE	0e+00	1.8e-06	CTTN;CTTN
cg25151274	FALSE	0e+00	1.8e-06	LOC348840
cg24495832	FALSE	0e+00	1.8e-06	MAPK14;MAPK14;MAPK14;MAPK14
cg14753432	TRUE	0e+00	1.8e-06	ALX4
cg03985452	TRUE	0e+00	1.8e-06	
cg03162131	TRUE	0e+00	1.8e-06	ANKRD42
cg07593177	TRUE	0e+00	1.8e-06	ARFIP2;FXC1
cg01561259	TRUE	0e+00	1.8e-06	RPTOR;RPTOR
cg06417225	TRUE	0e+00	1.8e-06	PEBP1
cg19583076	TRUE	0e+00	1.8e-06	CD79A;CD79A
cg05529091	TRUE	0e+00	1.8e-06	CUX2
cg08464674	FALSE	0e+00	1.8e-06	C12orf53
cg02699408	TRUE	0e+00	1.8e-06	ZNF564
cg07963234	TRUE	0e+00	1.8e-06	CRMP1
cg04995391	TRUE	0e+00	1.8e-06	RHPN2
cg11544138	TRUE	0e+00	1.8e-06	GRIN3B
cg04828133	TRUE	0e+00	1.8e-06	
cg18353178	TRUE	0e+00	1.8e-06	NAPB
cg22920289	TRUE	0e+00	1.8e-06	FEM1A
cg01768082	TRUE	0e+00	1.8e-06	
cg20412244	TRUE	0e+00	1.8e-06	
cg00515954	TRUE	0e+00	1.8e-06	ANKS1B;ANKS1B;ANKS1B
cg08396677	TRUE	0e+00	1.8e-06	ZRANB3;R3HDM1;ZRANB3
cg08396974	TRUE	0e+00	1.8e-06	BMP7
cg01893068	TRUE	0e+00	1.8e-06	
cg24525138	TRUE	0e+00	1.8e-06	
cg11898009	TRUE	0e+00	1.8e-06	
cg18731546	TRUE	0e+00	1.8e-06	
cg22282038	TRUE	0e+00	1.8e-06	NKX6-3
cg01218350	TRUE	0e+00	1.8e-06	MAP2;MAP2;MAP2;MAP2
cg08289346	TRUE	0e+00	1.8e-06	GRM4
cg09749669	TRUE	0e+00	1.8e-06	SOX6;SOX6;SOX6;SOX6
cg21859562	TRUE	0e+00	1.8e-06	
cg04199533	TRUE	0e+00	1.8e-06	RSPO4;RSPO4

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg10681483	TRUE	0e+00	1.8e-06	MGAM
cg02173289	TRUE	0e+00	1.8e-06	
cg00995911	FALSE	0e+00	1.8e-06	ZNF180
cg16334127	TRUE	0e+00	1.8e-06	
cg25769935	TRUE	0e+00	1.8e-06	CDC25C;CDC25C
cg12929486	TRUE	0e+00	1.8e-06	SLC22A16
cg06093354	FALSE	0e+00	1.8e-06	NUDT15
cg05175606	FALSE	0e+00	1.8e-06	ANKRD11
cg10437377	FALSE	0e+00	1.8e-06	RFX7
cg18338495	FALSE	0e+00	1.8e-06	STK16;GLB1L;GLB1L;STK16
cg13949086	TRUE	0e+00	1.9e-06	CHAT;CHAT;CHAT;CHAT;CHAT;CHAT;CHAT
cg26956245	FALSE	0e+00	1.9e-06	NOD1
cg01011757	TRUE	0e+00	1.9e-06	TIGD1;EIF4E2
cg18560152	TRUE	0e+00	1.9e-06	
cg25475843	TRUE	0e+00	1.9e-06	
cg03770548	TRUE	0e+00	1.9e-06	CDH24;CDH24
cg19857407	TRUE	0e+00	1.9e-06	
cg25237113	TRUE	0e+00	1.9e-06	CTNNA2;CTNNA2
cg27493411	TRUE	0e+00	1.9e-06	CUX1;CUX1;CUX1
cg09318122	TRUE	0e+00	1.9e-06	SERPINA6
cg11899891	TRUE	0e+00	1.9e-06	FMNL2
cg09703910	TRUE	0e+00	1.9e-06	
cg22773899	TRUE	0e+00	1.9e-06	
cg03462055	TRUE	0e+00	1.9e-06	TUBB2B
cg06363243	TRUE	0e+00	1.9e-06	IFT140
cg13703576	TRUE	0e+00	1.9e-06	FGF3
cg07177321	TRUE	0e+00	1.9e-06	
cg06551996	TRUE	0e+00	1.9e-06	NAV2;NAV2
cg02287630	TRUE	0e+00	1.9e-06	SLC30A7;EXTL2;EXTL2;SLC30A7
cg09886946	TRUE	0e+00	1.9e-06	KL
cg15340124	TRUE	0e+00	1.9e-06	CHPT1
cg03075683	TRUE	0e+00	1.9e-06	CLEC16A
cg16335926	TRUE	0e+00	1.9e-06	NR3C1;NR3C1;NR3C1;NR3C1;NR3C1;NR3C1
cg16209664	TRUE	0e+00	1.9e-06	ZIC1
cg13408430	TRUE	0e+00	1.9e-06	SV2C
cg01512721	TRUE	0e+00	1.9e-06	PRSS48
cg14573645	TRUE	0e+00	1.9e-06	NUPL1;NUPL1
cg17945053	TRUE	0e+00	1.9e-06	DLL3;DLL3
cg26906021	FALSE	0e+00	1.9e-06	KRTCAP2;TRIM46
cg16487101	TRUE	0e+00	1.9e-06	C5orf51
cg01028796	TRUE	0e+00	1.9e-06	BICD2;BICD2
cg00908526	TRUE	0e+00	1.9e-06	CTNND2;CTNND2
cg26307814	TRUE	0e+00	1.9e-06	PIK3CD
cg21585707	TRUE	0e+00	1.9e-06	FBXL18
cg14509761	TRUE	0e+00	1.9e-06	
cg11931596	TRUE	0e+00	1.9e-06	IL7
cg25496417	TRUE	0e+00	1.9e-06	GPIHBP1;GPIHBP1
cg16900102	TRUE	0e+00	1.9e-06	
cg16148891	TRUE	0e+00	1.9e-06	
cg08287306	TRUE	0e+00	1.9e-06	CKLF;CKLF;CKLF;CKLF;CKLF
cg04887335	TRUE	0e+00	1.9e-06	TCTEX1D2
cg10454246	TRUE	0e+00	1.9e-06	



CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg15382743	TRUE	0e+00	1.9e-06	
cg07550331	TRUE	0e+00	1.9e-06	HELT
cg22495968	TRUE	0e+00	1.9e-06	
cg01432552	TRUE	0e+00	1.9e-06	PTPRR;PTPRR
cg22782492	TRUE	0e+00	1.9e-06	VHL;VHL
cg15982906	FALSE	0e+00	1.9e-06	C21orf91;C21orf91;C21orf91
cg07565028	TRUE	0e+00	1.9e-06	LOC100133893
cg24738311	TRUE	0e+00	1.9e-06	
cg26373942	TRUE	0e+00	1.9e-06	WSCD2
cg12921750	TRUE	0e+00	1.9e-06	NETO1
cg04005378	TRUE	0e+00	1.9e-06	DHRS7C
cg00367135	TRUE	0e+00	1.9e-06	BEST1;BEST1
cg02442509	TRUE	0e+00	1.9e-06	
cg18319799	TRUE	0e+00	1.9e-06	SORCS2
cg12042060	TRUE	0e+00	1.9e-06	CSMD1
cg00492055	TRUE	0e+00	1.9e-06	CEP70
cg16379910	TRUE	0e+00	1.9e-06	
cg01992590	TRUE	0e+00	1.9e-06	COL1A1
cg21202716	TRUE	0e+00	1.9e-06	SHANK2;SHANK2
cg27186323	TRUE	0e+00	1.9e-06	
cg02969426	TRUE	0e+00	1.9e-06	KCTD4;GTF2F2;KCTD4
cg08346820	TRUE	0e+00	1.9e-06	
cg05832853	TRUE	0e+00	1.9e-06	
cg00830325	TRUE	0e+00	1.9e-06	
cg06560754	TRUE	0e+00	1.9e-06	
cg18194305	TRUE	0e+00	1.9e-06	WDR52;WDR52
cg03298167	TRUE	0e+00	1.9e-06	IRS1
cg22369420	TRUE	0e+00	1.9e-06	
cg25791578	TRUE	0e+00	1.9e-06	IL5RA;IL5RA;IL5RA;IL5RA;IL5RA;IL5RA
cg13741289	TRUE	0e+00	1.9e-06	LAP3
cg13463203	TRUE	0e+00	1.9e-06	FREQ;FREQ
cg04908961	TRUE	0e+00	1.9e-06	MIR17HG;MIR92A1;MIR17HG;MIR20A;MIR19B1
cg05377387	TRUE	0e+00	1.9e-06	WFDC1
cg26692202	TRUE	0e+00	1.9e-06	
cg26046467	TRUE	0e+00	1.9e-06	
cg15321908	TRUE	0e+00	1.9e-06	
cg23937816	TRUE	0e+00	1.9e-06	
cg08481246	TRUE	0e+00	1.9e-06	LMO1
cg08343644	TRUE	0e+00	1.9e-06	GPR56;GPR56;GPR56;GPR56;GPR56;GPR56;GPR56
cg15687653	TRUE	0e+00	1.9e-06	RNF207
cg08845439	FALSE	0e+00	1.9e-06	TUFT1;TUFT1
cg17133668	TRUE	0e+00	1.9e-06	
cg26196087	TRUE	0e+00	1.9e-06	NOTCH2
cg17347104	TRUE	0e+00	1.9e-06	LTBP2
cg13784312	FALSE	0e+00	1.9e-06	RAPGEF1
cg15695106	TRUE	0e+00	1.9e-06	DIAPH3
cg06749789	TRUE	0e+00	1.9e-06	THAP4;THAP4
cg02635033	TRUE	0e+00	1.9e-06	SMOC2;SMOC2
cg26188814	FALSE	0e+00	1.9e-06	MAEA;MAEA
cg24291845	TRUE	0e+00	1.9e-06	WBP2
cg14189391	TRUE	0e+00	1.9e-06	DNMT3A;DNMT3A;DNMT3A
cg02063919	TRUE	0e+00	1.9e-06	SALL4

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg25587069	TRUE	0e+00	1.9e-06	SPARC;SPARC
cg24297454	FALSE	0e+00	1.9e-06	TUBB
cg07357987	TRUE	0e+00	1.9e-06	SGPP2
cg17377658	TRUE	0e+00	1.9e-06	MYO1E
cg04212338	TRUE	0e+00	1.9e-06	FRMD8
cg04112102	TRUE	0e+00	1.9e-06	SLC39A10;SLC39A10
cg15015757	TRUE	0e+00	1.9e-06	LOC153684
cg03578548	TRUE	0e+00	1.9e-06	LOC286238
cg24689119	TRUE	0e+00	1.9e-06	
cg14958017	TRUE	0e+00	1.9e-06	DYSF;DYSF;DYSF;DYSF;DYSF;DYSF;DYSF
cg25506127	FALSE	0e+00	1.9e-06	CLK3;CLK3
cg10848640	TRUE	0e+00	1.9e-06	
cg17541002	TRUE	0e+00	1.9e-06	CAMKK2;CAMKK2;CAMKK2;CAMKK2;CAMKK2;CAMKK2;CAMKK2
cg26645655	TRUE	0e+00	1.9e-06	
cg15229153	TRUE	0e+00	1.9e-06	RPAIN;RPAIN;RPAIN;RPAIN;RPAIN;RPAIN;RPAIN;RPAIN;RPAIN;N
cg00861497	TRUE	0e+00	2.0e-06	
cg07147383	TRUE	0e+00	2.0e-06	FSCN2;FSCN2
cg12285565	TRUE	0e+00	2.0e-06	
cg10330056	TRUE	0e+00	2.0e-06	
cg06612130	TRUE	0e+00	2.0e-06	
cg09496273	TRUE	0e+00	2.0e-06	
cg15210999	TRUE	0e+00	2.0e-06	DTNBP1;DTNBP1;DTNBP1
cg21217426	TRUE	0e+00	2.0e-06	RNFT1
cg14229702	TRUE	0e+00	2.0e-06	AEN
cg22710065	TRUE	0e+00	2.0e-06	TMC4;TMC4
cg15611151	TRUE	0e+00	2.0e-06	HOXC4;HOXC5;HOXC6
cg09732145	TRUE	0e+00	2.0e-06	
cg17102648	TRUE	0e+00	2.0e-06	
cg03292544	TRUE	0e+00	2.0e-06	
cg15010603	TRUE	0e+00	2.0e-06	SNX13
cg02050917	TRUE	0e+00	2.0e-06	SKI
cg06640776	TRUE	0e+00	2.0e-06	THUMPD3;THUMPD3
cg16003274	FALSE	0e+00	2.0e-06	APBB3;APBB3;APBB3;SLC35A4;APBB3
cg02778237	TRUE	0e+00	2.0e-06	
cg12666227	TRUE	0e+00	2.0e-06	BBS10
cg18842157	TRUE	0e+00	2.0e-06	RAD51L1;RAD51L1;RAD51L1
cg09764221	TRUE	0e+00	2.0e-06	MAPK8IP2
cg02083676	TRUE	0e+00	2.0e-06	
cg15433534	FALSE	0e+00	2.0e-06	
cg08016802	FALSE	0e+00	2.0e-06	ZP3;ZP3;SRCRB4D
cg17072087	TRUE	0e+00	2.0e-06	VPS37B
cg25748441	FALSE	0e+00	2.0e-06	CASP8;CASP8;CASP8;CASP8;CASP8
cg23440305	TRUE	0e+00	2.0e-06	TXNDC11
cg02766207	TRUE	0e+00	2.0e-06	RBP2
cg26980323	TRUE	0e+00	2.0e-06	
cg27187667	TRUE	0e+00	2.0e-06	
cg10181281	TRUE	0e+00	2.0e-06	VWC2L
cg01942816	TRUE	0e+00	2.0e-06	MIR589;FBXL18
cg07232475	TRUE	0e+00	2.0e-06	ELL3
cg15230907	TRUE	0e+00	2.0e-06	
cg25109019	TRUE	0e+00	2.0e-06	SOX2OT
cg11971852	TRUE	0e+00	2.0e-06	BIRC6

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg24219929	FALSE	0e+00	2.0e-06	RORA;RORA;RORA;RORA
cg22496254	TRUE	0e+00	2.0e-06	NCAPG;DCAF16
cg01412469	TRUE	0e+00	2.0e-06	INHBA;LOC285954;LOC285954
cg25465322	TRUE	0e+00	2.0e-06	ZFP112;ZFP112
cg26021960	TRUE	0e+00	2.0e-06	
cg03383508	TRUE	0e+00	2.0e-06	
cg22021597	TRUE	0e+00	2.0e-06	ITPKB
cg22254072	FALSE	0e+00	2.0e-06	
cg04204548	FALSE	0e+00	2.0e-06	KCNQ1
cg26997327	TRUE	0e+00	2.0e-06	COL12A1;COL12A1
cg23347597	FALSE	0e+00	2.0e-06	PPP1R7
cg11038322	TRUE	0e+00	2.0e-06	TFAP2D
cg06641153	TRUE	0e+00	2.0e-06	ST8SIA3
cg02124912	TRUE	0e+00	2.0e-06	GPR37L1
cg05808372	TRUE	0e+00	2.0e-06	LRFN2
cg01352108	TRUE	0e+00	2.0e-06	KCNK4;KCNK4
cg16469492	TRUE	0e+00	2.0e-06	
cg08670530	TRUE	0e+00	2.0e-06	CCDC96;CCDC96
cg16649298	TRUE	0e+00	2.0e-06	WDR60
cg10652646	TRUE	0e+00	2.0e-06	MEIS2;MEIS2;MEIS2;MEIS2;MEIS2
cg09643136	TRUE	0e+00	2.0e-06	
cg05905988	TRUE	0e+00	2.0e-06	FAM155A
cg19103770	TRUE	0e+00	2.0e-06	TFPI2
cg15231794	FALSE	0e+00	2.0e-06	TNFAIP8L1;TNFAIP8L1
cg13755766	TRUE	0e+00	2.0e-06	ROR2
cg14490552	FALSE	0e+00	2.0e-06	YWHAZ;YWHAZ;YWHAZ;YWHAZ
cg11311053	TRUE	0e+00	2.0e-06	NCOR2;NCOR2
cg15272467	TRUE	0e+00	2.0e-06	
cg26632831	TRUE	0e+00	2.0e-06	SHANK2
cg11640773	TRUE	0e+00	2.0e-06	NDRG4;NDRG4;NDRG4
cg15350036	TRUE	0e+00	2.0e-06	CROT;CROT;CROT;TP53TG1
cg09991173	TRUE	0e+00	2.0e-06	GLIS1
cg03043160	FALSE	0e+00	2.0e-06	TBC1D4
cg05860978	TRUE	0e+00	2.0e-06	IL17B
cg22691257	TRUE	0e+00	2.0e-06	GABRA6
cg19587377	TRUE	0e+00	2.0e-06	NUP62;NUP62;NUP62;IL4I1;ATF5;NUP62
cg18928811	TRUE	0e+00	2.0e-06	CLOCK
cg15914011	FALSE	0e+00	2.0e-06	C1QTNF4;C1QTNF4
cg26603656	FALSE	0e+00	2.0e-06	
cg07536102	TRUE	0e+00	2.0e-06	GALR2
cg00971695	TRUE	0e+00	2.0e-06	
cg13039454	TRUE	0e+00	2.0e-06	
cg15732451	TRUE	0e+00	2.0e-06	
cg24021846	TRUE	0e+00	2.0e-06	RELN;RELN
cg07779444	TRUE	0e+00	2.0e-06	GPR123
cg24288310	TRUE	0e+00	2.0e-06	ST8SIA2
cg13912117	TRUE	0e+00	2.0e-06	
cg12332239	TRUE	0e+00	2.0e-06	AMZ2;AMZ2;AMZ2;AMZ2;AMZ2;AMZ2
cg04671611	TRUE	0e+00	2.0e-06	A2BP1;A2BP1
cg04062391	TRUE	0e+00	2.0e-06	ZNF560
cg03218019	TRUE	0e+00	2.0e-06	DDOST
cg15038664	TRUE	0e+00	2.0e-06	ZNF347;ZNF347

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg24875416	TRUE	0e+00	2.1e-06	FAM40A
cg12438547	TRUE	0e+00	2.1e-06	
cg11404133	TRUE	0e+00	2.1e-06	MTF2;MTF2;MTF2;MTF2
cg14826331	FALSE	0e+00	2.1e-06	CNP
cg02525108	TRUE	0e+00	2.1e-06	
cg24632247	TRUE	0e+00	2.1e-06	
cg04027548	TRUE	0e+00	2.1e-06	KCNJ8
cg25363564	TRUE	0e+00	2.1e-06	
cg14270590	TRUE	0e+00	2.1e-06	
cg04455430	TRUE	0e+00	2.1e-06	DMRTA2
cg01676795	TRUE	0e+00	2.1e-06	POR
cg09673570	TRUE	0e+00	2.1e-06	MICALCL
cg13930892	TRUE	0e+00	2.1e-06	ASCL2;ASCL2
cg14634534	TRUE	0e+00	2.1e-06	
cg14032950	TRUE	0e+00	2.1e-06	
cg21146592	TRUE	0e+00	2.1e-06	PRDM13
cg21092464	TRUE	0e+00	2.1e-06	APOL4;APOL4
cg26828842	TRUE	0e+00	2.1e-06	
cg06071058	TRUE	0e+00	2.1e-06	BARX1
cg24530460	TRUE	0e+00	2.1e-06	
cg00156633	TRUE	0e+00	2.1e-06	HTR4;HTR4;HTR4;HTR4;HTR4;HTR4;HTR4
cg22432367	FALSE	0e+00	2.1e-06	ARID1B;ARID1B;ARID1B
cg03236904	TRUE	0e+00	2.1e-06	RNF141
cg02283787	TRUE	0e+00	2.1e-06	B3GNTL1
cg13980454	TRUE	0e+00	2.1e-06	NKX2-1;NKX2-1
cg20547031	TRUE	0e+00	2.1e-06	NEUROD6
cg00313876	TRUE	0e+00	2.1e-06	NUFIP1;KIAA1704
cg16102040	TRUE	0e+00	2.1e-06	ZNF827
cg25841608	TRUE	0e+00	2.1e-06	
cg08655071	TRUE	0e+00	2.1e-06	TRAF3IP3
cg16136434	TRUE	0e+00	2.1e-06	ORC1L;ORC1L;PRPF38A
cg24333420	TRUE	0e+00	2.1e-06	GPR123
cg07407736	TRUE	0e+00	2.1e-06	
cg24249450	TRUE	0e+00	2.1e-06	
cg00256928	TRUE	0e+00	2.1e-06	
cg03110082	TRUE	0e+00	2.1e-06	ANKRD33;ANKRD33;ANKRD33
cg22100937	TRUE	0e+00	2.1e-06	GFAP
cg18162528	TRUE	0e+00	2.1e-06	IGSF9B;IGSF9B
cg27353721	TRUE	0e+00	2.1e-06	
cg21283867	TRUE	0e+00	2.1e-06	FGF3
cg26472326	TRUE	1e-07	2.1e-06	
cg18198545	TRUE	1e-07	2.1e-06	PEX19;PEX19
cg00158528	TRUE	1e-07	2.1e-06	
cg24198128	TRUE	1e-07	2.1e-06	UBA52;UBA52
cg02934347	TRUE	1e-07	2.1e-06	CAP2
cg26430023	TRUE	1e-07	2.1e-06	ODZ4
cg14425733	TRUE	1e-07	2.1e-06	LOC150381;C22orf26
cg03639783	FALSE	1e-07	2.1e-06	TBX21
cg22973076	TRUE	1e-07	2.1e-06	PDLIM2
cg17949915	TRUE	1e-07	2.1e-06	PITX2;PITX2;PITX2;PITX2
cg20099104	TRUE	1e-07	2.1e-06	
cg03584288	TRUE	1e-07	2.1e-06	ZNF829;ZNF568;ZNF829

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg07747181	TRUE	1e-07	2.1e-06	
cg05863144	TRUE	1e-07	2.1e-06	ATG2B
cg07814886	TRUE	1e-07	2.1e-06	
cg20592700	TRUE	1e-07	2.1e-06	WIPI2;WIPI2;WIPI2;WIPI2
cg04808029	TRUE	1e-07	2.1e-06	NKX3-2
cg10211383	TRUE	1e-07	2.1e-06	PGLYRP2
cg16990557	TRUE	1e-07	2.1e-06	
cg15980076	TRUE	1e-07	2.1e-06	CYP26C1
cg12446722	FALSE	1e-07	2.1e-06	ACBD3;ACBD3
cg03685346	TRUE	1e-07	2.1e-06	EFNA5
cg26057780	TRUE	1e-07	2.1e-06	BDNF;BDNF;BDNF;BDNF;BDNF;BDNF;BDNF;BDNF;BDNF;E
cg07182756	TRUE	1e-07	2.1e-06	MOCS1;MOCS1
cg04556646	TRUE	1e-07	2.1e-06	PHF21B;PHF21B
cg11958793	TRUE	1e-07	2.1e-06	
cg10455938	TRUE	1e-07	2.1e-06	CACNA1I;CACNA1I
cg09601175	TRUE	1e-07	2.1e-06	
cg22693863	TRUE	1e-07	2.1e-06	RFX1
cg13868084	TRUE	1e-07	2.1e-06	
cg19404835	TRUE	1e-07	2.1e-06	
cg11062418	FALSE	1e-07	2.1e-06	FAM59B
cg25041439	TRUE	1e-07	2.1e-06	HYLS1
cg04908300	TRUE	1e-07	2.1e-06	PPARG;PPARG;PPARG;PPARG
cg19909895	TRUE	1e-07	2.1e-06	RPN1
cg14201634	TRUE	1e-07	2.1e-06	DIXDC1
cg07101980	TRUE	1e-07	2.1e-06	NDUFC2
cg13259605	TRUE	1e-07	2.1e-06	DPM2;DPM2
cg14331858	TRUE	1e-07	2.1e-06	VTN;SEBOX
cg09018739	TRUE	1e-07	2.1e-06	CPNE2
cg10859192	TRUE	1e-07	2.1e-06	ATP5G2
cg16016641	TRUE	1e-07	2.1e-06	C20orf4
cg22655767	TRUE	1e-07	2.1e-06	
cg06861519	TRUE	1e-07	2.1e-06	KIAA1949;KIAA1949
cg18358875	TRUE	1e-07	2.1e-06	
cg02093112	TRUE	1e-07	2.1e-06	FBXO39
cg11584098	TRUE	1e-07	2.1e-06	
cg07475468	TRUE	1e-07	2.1e-06	
cg08852741	TRUE	1e-07	2.1e-06	
cg07097184	TRUE	1e-07	2.1e-06	FHDC1
cg05138082	TRUE	1e-07	2.1e-06	
cg09730697	TRUE	1e-07	2.1e-06	TMEM127;CIAO1
cg20682143	TRUE	1e-07	2.1e-06	EGLN1
cg07646377	FALSE	1e-07	2.1e-06	NR4A2
cg11200917	TRUE	1e-07	2.1e-06	GLRA1;GLRA1
cg10351287	TRUE	1e-07	2.1e-06	STK32B
cg08101977	TRUE	1e-07	2.1e-06	CACNA1H;CACNA1H
cg24219966	TRUE	1e-07	2.1e-06	
cg17591781	TRUE	1e-07	2.1e-06	BRD1
cg13700094	TRUE	1e-07	2.1e-06	
cg13411038	TRUE	1e-07	2.1e-06	SLC9A2
cg20914464	TRUE	1e-07	2.1e-06	NOL4
cg16747564	TRUE	1e-07	2.1e-06	SOX1
cg01671681	TRUE	1e-07	2.1e-06	PLCH1

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg18425908	TRUE	1e-07	2.1e-06	METTTL14
cg04342737	FALSE	1e-07	2.1e-06	TBC1D23
cg25033990	TRUE	1e-07	2.2e-06	ACCN1
cg22761619	TRUE	1e-07	2.2e-06	NUP205
cg23510443	FALSE	1e-07	2.2e-06	CNTD1;CCDC56
cg22595920	TRUE	1e-07	2.2e-06	C1orf200;PIK3CD
cg26069093	TRUE	1e-07	2.2e-06	
cg27070902	TRUE	1e-07	2.2e-06	
cg10316764	TRUE	1e-07	2.2e-06	TAOK2;TAOK2
cg05484393	TRUE	1e-07	2.2e-06	RPL22L1
cg24835153	TRUE	1e-07	2.2e-06	FRMPD2L2;FRMPD2L1;FRMPD2L1;FRMPD2L1;FRMPD2L2
cg17133734	TRUE	1e-07	2.2e-06	AKAP13;AKAP13
cg17320403	TRUE	1e-07	2.2e-06	
cg24445674	TRUE	1e-07	2.2e-06	CTAGE1
cg07111868	TRUE	1e-07	2.2e-06	CA10;CA10;CA10
cg19049194	TRUE	1e-07	2.2e-06	
cg26666828	TRUE	1e-07	2.2e-06	ZNF789;ZNF789
cg19042340	TRUE	1e-07	2.2e-06	FAM107B
cg16974893	TRUE	1e-07	2.2e-06	
cg03658852	FALSE	1e-07	2.2e-06	LRRC37B2
cg17811423	TRUE	1e-07	2.2e-06	CALML4;CALML4
cg12552944	FALSE	1e-07	2.2e-06	SNX8
cg08264848	FALSE	1e-07	2.2e-06	SIRT4
cg15102606	TRUE	1e-07	2.2e-06	DHPS;DHPS;DHPS
cg20897136	TRUE	1e-07	2.2e-06	DDIT4
cg05717833	TRUE	1e-07	2.2e-06	KIF23;KIF23
cg21216204	TRUE	1e-07	2.2e-06	FOXO1;FOXO1
cg15649710	TRUE	1e-07	2.2e-06	WNT11
cg05754435	TRUE	1e-07	2.2e-06	KDR
cg10899301	TRUE	1e-07	2.2e-06	TFAP2A;TFAP2A
cg09148738	TRUE	1e-07	2.2e-06	JTB;JTB
cg18755643	TRUE	1e-07	2.2e-06	TTC39A;TTC39A
cg03498304	TRUE	1e-07	2.2e-06	CENPT;THAP11
cg01395672	TRUE	1e-07	2.2e-06	ZNF207;ZNF207;ZNF207
cg14427694	TRUE	1e-07	2.2e-06	GGCT
cg07875385	TRUE	1e-07	2.2e-06	COL5A2;COL5A2
cg07881623	FALSE	1e-07	2.2e-06	TTK;TTK
cg14699146	TRUE	1e-07	2.2e-06	BTAF1
cg01646784	TRUE	1e-07	2.2e-06	LGALS2
cg06521827	TRUE	1e-07	2.2e-06	HSPB7
cg12778395	FALSE	1e-07	2.2e-06	
cg18250474	TRUE	1e-07	2.2e-06	
cg01184282	TRUE	1e-07	2.2e-06	OR9A4
cg19877419	TRUE	1e-07	2.2e-06	LOC728743
cg07695909	TRUE	1e-07	2.2e-06	NCKAP5;NCKAP5
cg01112020	TRUE	1e-07	2.2e-06	ESPNL;ESPNL
cg11380128	TRUE	1e-07	2.2e-06	PRLH
cg06544405	TRUE	1e-07	2.2e-06	
cg06449906	TRUE	1e-07	2.2e-06	TBCA
cg20232291	TRUE	1e-07	2.2e-06	
cg01457986	TRUE	1e-07	2.2e-06	ZNF518A;ZNF518A
cg14701491	TRUE	1e-07	2.2e-06	

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg25655096	TRUE	1e-07	2.2e-06	LPAR5;LPAR5
cg24667363	TRUE	1e-07	2.2e-06	GFM1
cg20003638	TRUE	1e-07	2.2e-06	SLC12A5;SLC12A5
cg17592231	TRUE	1e-07	2.2e-06	
cg22277296	TRUE	1e-07	2.2e-06	
cg00589520	TRUE	1e-07	2.2e-06	
cg22618487	FALSE	1e-07	2.2e-06	DERA;DERA
cg12829360	TRUE	1e-07	2.2e-06	CBFA2T3;CBFA2T3
cg09899496	TRUE	1e-07	2.2e-06	
cg26761826	TRUE	1e-07	2.2e-06	C8orf46
cg05134831	FALSE	1e-07	2.2e-06	MAP7D1
cg06797661	TRUE	1e-07	2.2e-06	
cg12616926	FALSE	1e-07	2.2e-06	RBMS1;RBMS1
cg25478109	TRUE	1e-07	2.2e-06	NDUFB5;MRPL47;MRPL47
cg22626858	TRUE	1e-07	2.2e-06	SHANK1
cg20495183	TRUE	1e-07	2.2e-06	OPCML;OPCML
cg09409398	TRUE	1e-07	2.2e-06	SF3B4
cg27466237	FALSE	1e-07	2.2e-06	
cg27660536	TRUE	1e-07	2.2e-06	
cg08019151	TRUE	1e-07	2.2e-06	SCN10A
cg22690339	TRUE	1e-07	2.2e-06	BTBD9;BTBD9;BTBD9
cg02112183	TRUE	1e-07	2.2e-06	
cg02781394	TRUE	1e-07	2.2e-06	KATNAL1;KATNAL1
cg24354581	TRUE	1e-07	2.2e-06	SIM2;SIM2
cg19075252	TRUE	1e-07	2.2e-06	PRKAG3
cg15728320	TRUE	1e-07	2.2e-06	
cg21106461	TRUE	1e-07	2.2e-06	NSL1;TATDN3;TATDN3;TATDN3;TATDN3;NSL1;TATDN3
cg16408784	TRUE	1e-07	2.2e-06	ZNF259
cg26480584	TRUE	1e-07	2.2e-06	
cg03621881	TRUE	1e-07	2.2e-06	BRUNOL6
cg16276225	TRUE	1e-07	2.2e-06	
cg01676552	FALSE	1e-07	2.2e-06	ZNF16;ZNF16
cg14199090	TRUE	1e-07	2.2e-06	LEPR;LEPR;LEPR
cg18799510	TRUE	1e-07	2.2e-06	GRIN3A
cg26416381	TRUE	1e-07	2.2e-06	MED13L
cg08805662	FALSE	1e-07	2.2e-06	
cg21011649	TRUE	1e-07	2.2e-06	FBN1
cg02494794	TRUE	1e-07	2.2e-06	FOKK2
cg19894747	FALSE	1e-07	2.2e-06	FLJ45983;GATA3;GATA3;FLJ45983
cg00700866	TRUE	1e-07	2.2e-06	RSPO1
cg09772075	TRUE	1e-07	2.2e-06	
cg11736500	FALSE	1e-07	2.3e-06	EIF4A1
cg16283287	TRUE	1e-07	2.3e-06	FMN1
cg15169286	TRUE	1e-07	2.3e-06	
cg09420637	TRUE	1e-07	2.3e-06	
cg13527016	TRUE	1e-07	2.3e-06	FAM45B;FAM45A
cg18257485	TRUE	1e-07	2.3e-06	NOP14
cg01108112	TRUE	1e-07	2.3e-06	
cg23809442	TRUE	1e-07	2.3e-06	FGF14;FGF14
cg03669797	TRUE	1e-07	2.3e-06	
cg14413262	TRUE	1e-07	2.3e-06	SLC45A1
cg08700690	TRUE	1e-07	2.3e-06	RORA;RORA;RORA;RORA;RORA

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg22676023	TRUE	1e-07	2.3e-06	VPS13D;VPS13D
cg09272869	TRUE	1e-07	2.3e-06	FEM1B
cg21684179	TRUE	1e-07	2.3e-06	FAM40A
cg15601050	TRUE	1e-07	2.3e-06	
cg08391321	FALSE	1e-07	2.3e-06	MCC;MCC
cg13491481	TRUE	1e-07	2.3e-06	CADPS;CADPS;CADPS
cg05812266	TRUE	1e-07	2.3e-06	GABBR1;GABBR1;GABBR1
cg14537825	TRUE	1e-07	2.3e-06	ZAP70
cg15292097	TRUE	1e-07	2.3e-06	
cg05792124	FALSE	1e-07	2.3e-06	TRIM33;TRIM33
cg05233774	TRUE	1e-07	2.3e-06	RPSAP52
cg13131908	TRUE	1e-07	2.3e-06	STARD5
cg09673208	TRUE	1e-07	2.3e-06	ODZ4
cg15712510	TRUE	1e-07	2.3e-06	MLPH;MLPH
cg06521025	TRUE	1e-07	2.3e-06	RASAL1
cg26797529	TRUE	1e-07	2.3e-06	
cg07462677	FALSE	1e-07	2.3e-06	EXT1
cg25218453	TRUE	1e-07	2.3e-06	
cg24611446	TRUE	1e-07	2.3e-06	
cg06105778	TRUE	1e-07	2.3e-06	F12
cg16278514	TRUE	1e-07	2.3e-06	
cg25420253	TRUE	1e-07	2.3e-06	
cg20487452	TRUE	1e-07	2.3e-06	MMP12;MMP12
cg05202616	TRUE	1e-07	2.3e-06	PPTC7
cg09537568	TRUE	1e-07	2.3e-06	WDFY3;WDFY3
cg05797097	TRUE	1e-07	2.3e-06	
cg07457252	TRUE	1e-07	2.3e-06	
cg24196693	TRUE	1e-07	2.3e-06	PCDH21
cg25076408	TRUE	1e-07	2.3e-06	TULP4;TULP4
cg08347047	TRUE	1e-07	2.3e-06	C12orf39
cg19675142	TRUE	1e-07	2.3e-06	
cg24629445	FALSE	1e-07	2.3e-06	TMEM14C;TMEM14C;TMEM14C;TMEM14C
cg04569096	TRUE	1e-07	2.3e-06	TXNDC11
cg11228126	TRUE	1e-07	2.3e-06	
cg15584954	TRUE	1e-07	2.3e-06	DIP2C
cg24996315	TRUE	1e-07	2.3e-06	
cg13730392	TRUE	1e-07	2.3e-06	KIAA1984;LOC100131193;C9orf86;C9orf86
cg19099213	TRUE	1e-07	2.3e-06	SPP2
cg16289848	TRUE	1e-07	2.3e-06	FRAS1;FRAS1
cg06343212	TRUE	1e-07	2.3e-06	
cg04678392	TRUE	1e-07	2.3e-06	
cg00407729	TRUE	1e-07	2.3e-06	PRKG1
cg19282250	TRUE	1e-07	2.3e-06	PRUNE2
cg04337096	TRUE	1e-07	2.3e-06	PPP2R2B;PPP2R2B;PPP2R2B;PPP2R2B;PPP2R2B;PPP2R2B;PPP2R2B
cg17055717	TRUE	1e-07	2.3e-06	EIF2S2
cg06726099	TRUE	1e-07	2.3e-06	
cg07306414	TRUE	1e-07	2.3e-06	
cg07907386	TRUE	1e-07	2.3e-06	PHOX2B
cg08051013	FALSE	1e-07	2.3e-06	
cg26758863	TRUE	1e-07	2.3e-06	ZNF805;ZNF805;ZNF805;ZNF805
cg26339992	FALSE	1e-07	2.3e-06	RPA2;RPA2
cg20910303	TRUE	1e-07	2.3e-06	SLC10A7;SLC10A7;SLC10A7;SLC10A7



CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg09915940	TRUE	1e-07	2.3e-06	PTBP1;PTBP1;PTBP1;PTBP1
cg24870738	FALSE	1e-07	2.3e-06	RNF220
cg03464357	TRUE	1e-07	2.3e-06	DIP2C
cg24524451	FALSE	1e-07	2.3e-06	ADCK2
cg02586182	TRUE	1e-07	2.3e-06	TLX1NB
cg13491737	TRUE	1e-07	2.3e-06	CARS2
cg27205649	TRUE	1e-07	2.3e-06	NARS2;NARS2;NARS2
cg25264554	TRUE	1e-07	2.3e-06	XRN1;XRN1;XRN1;XRN1
cg23710226	TRUE	1e-07	2.3e-06	
cg05756109	FALSE	1e-07	2.3e-06	POLL;RP11-529I10.4;POLL
cg08929002	TRUE	1e-07	2.3e-06	NR2E1
cg09337069	TRUE	1e-07	2.3e-06	MIR889;MIR539
cg24151207	TRUE	1e-07	2.3e-06	
cg18507732	TRUE	1e-07	2.3e-06	
cg23224142	TRUE	1e-07	2.3e-06	
cg04427323	TRUE	1e-07	2.3e-06	
cg20777956	FALSE	1e-07	2.3e-06	BCL2;BCL2
cg11304383	TRUE	1e-07	2.3e-06	APOBEC1
cg13807496	TRUE	1e-07	2.3e-06	ALX4
cg12685753	TRUE	1e-07	2.3e-06	TEKT1
cg01639898	TRUE	1e-07	2.3e-06	HCRTR1
cg11040518	TRUE	1e-07	2.3e-06	
cg24578679	TRUE	1e-07	2.4e-06	CYP11A1;CYP11A1
cg15744890	TRUE	1e-07	2.4e-06	
cg26342398	FALSE	1e-07	2.4e-06	SSX2IP;SSX2IP;SSX2IP;SSX2IP;SSX2IP
cg24691879	TRUE	1e-07	2.4e-06	CLSTN1;CLSTN1
cg27346528	TRUE	1e-07	2.4e-06	WNT3
cg13249876	TRUE	1e-07	2.4e-06	ARHGAP12
cg10062221	TRUE	1e-07	2.4e-06	ASH2L;ASH2L
cg24536328	TRUE	1e-07	2.4e-06	TTC33
cg22241504	TRUE	1e-07	2.4e-06	CTNS;SHPK;CTNS
cg04325960	TRUE	1e-07	2.4e-06	LOC729176;C6orf103
cg12340947	TRUE	1e-07	2.4e-06	GABRA1;GABRA1;GABRA1;GABRA1;GABRA1
cg27003721	FALSE	1e-07	2.4e-06	TUBGCP2
cg25522119	FALSE	1e-07	2.4e-06	PRKD2;PRKD2;PRKD2;PRKD2
cg02771843	FALSE	1e-07	2.4e-06	C3orf64
cg15470075	TRUE	1e-07	2.4e-06	FRMD4A
cg00734512	FALSE	1e-07	2.4e-06	
cg02768471	TRUE	1e-07	2.4e-06	SCAMP3;SCAMP3
cg06016911	TRUE	1e-07	2.4e-06	
cg10064886	TRUE	1e-07	2.4e-06	FLJ31306;ARID4A;FLJ31306;ARID4A;ARID4A
cg20066792	TRUE	1e-07	2.4e-06	
cg17160439	TRUE	1e-07	2.4e-06	NAALADL1
cg11362310	TRUE	1e-07	2.4e-06	
cg12050982	FALSE	1e-07	2.4e-06	CLASP1;CLASP1;CLASP1
cg16626967	TRUE	1e-07	2.4e-06	TMEM82
cg08318371	TRUE	1e-07	2.4e-06	DPP4
cg11642377	TRUE	1e-07	2.4e-06	NXPH1
cg08589354	TRUE	1e-07	2.4e-06	
cg26220185	TRUE	1e-07	2.4e-06	MAD1L1;MAD1L1;MAD1L1
cg18468354	TRUE	1e-07	2.4e-06	
cg00134843	TRUE	1e-07	2.4e-06	PGS1

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg18178963	TRUE	1e-07	2.4e-06	NDUFB6;NDUFB6;NDUFB6;NDUFB6
cg02397720	TRUE	1e-07	2.4e-06	
cg03415497	TRUE	1e-07	2.4e-06	C20orf108
cg10292376	TRUE	1e-07	2.4e-06	KRT72;KRT72;KRT72
cg08417857	TRUE	1e-07	2.4e-06	NALCN
cg27002699	TRUE	1e-07	2.4e-06	ACP5;ACP5;ACP5;ACP5;ACP5
cg18999419	TRUE	1e-07	2.4e-06	
cg07813214	TRUE	1e-07	2.4e-06	AP1S3
cg16190746	TRUE	1e-07	2.4e-06	ODZ2
cg15682511	FALSE	1e-07	2.4e-06	RBCK1;RBCK1
cg15820273	TRUE	1e-07	2.4e-06	CAST;CAST;CAST;CAST;CAST;CAST;CAST;CAST;CAST;CAST
cg01127423	TRUE	1e-07	2.4e-06	
cg18915437	TRUE	1e-07	2.4e-06	USP15
cg19407435	TRUE	1e-07	2.4e-06	C8orf45;C8orf45;C8orf45
cg11694752	TRUE	1e-07	2.4e-06	MAP6;MAP6
cg13983640	TRUE	1e-07	2.4e-06	TSPO2;TSPO2
cg20022216	FALSE	1e-07	2.4e-06	UBE2K;UBE2K;UBE2K
cg13600227	TRUE	1e-07	2.4e-06	MIR521-1
cg27606607	TRUE	1e-07	2.4e-06	ALG3;ALG3;ALG3;ALG3
cg27277532	TRUE	1e-07	2.4e-06	
cg18015746	TRUE	1e-07	2.4e-06	LPL
cg09060610	TRUE	1e-07	2.4e-06	SFMBT2
cg05010260	TRUE	1e-07	2.4e-06	C7orf52
cg00563847	TRUE	1e-07	2.4e-06	C5orf36
cg11800844	TRUE	1e-07	2.4e-06	
cg20526800	TRUE	1e-07	2.4e-06	FAM83C
cg06540950	TRUE	1e-07	2.4e-06	
cg20327163	TRUE	1e-07	2.4e-06	NR2F2;NR2F2;NR2F2;NR2F2
cg01099448	TRUE	1e-07	2.4e-06	SPAG16;SPAG16
cg13398135	TRUE	1e-07	2.4e-06	
cg15919612	TRUE	1e-07	2.4e-06	NOTCH4
cg20359147	TRUE	1e-07	2.4e-06	
cg01754028	TRUE	1e-07	2.4e-06	TANC1;TANC1
cg15729649	TRUE	1e-07	2.4e-06	BICC1
cg16491166	FALSE	1e-07	2.4e-06	SMG5;TMEM79;TMEM79
cg07351192	TRUE	1e-07	2.4e-06	
cg20355301	TRUE	1e-07	2.4e-06	C9orf3;MIR24-1
cg08211028	TRUE	1e-07	2.4e-06	
cg24884230	TRUE	1e-07	2.4e-06	ARMS2
cg00057661	FALSE	1e-07	2.4e-06	ARF5
cg05012697	TRUE	1e-07	2.4e-06	NTRK3;NTRK3;NTRK3
cg03932361	TRUE	1e-07	2.4e-06	RAB37;RAB37
cg21685006	TRUE	1e-07	2.4e-06	PPP1R2P1
cg15062411	TRUE	1e-07	2.4e-06	RIMS3
cg01967055	TRUE	1e-07	2.4e-06	HRASLS5;HRASLS5;HRASLS5
cg06008912	TRUE	1e-07	2.4e-06	TMEFF2
cg08550785	TRUE	1e-07	2.4e-06	RIMS2
cg17989763	TRUE	1e-07	2.4e-06	
cg16750440	TRUE	1e-07	2.4e-06	C10orf79
cg02319142	TRUE	1e-07	2.5e-06	SLC26A2
cg18597188	TRUE	1e-07	2.5e-06	XRCC3;XRCC3;XRCC3
cg05992079	TRUE	1e-07	2.5e-06	SIT1

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg24325204	TRUE	1e-07	2.5e-06	
cg13547725	TRUE	1e-07	2.5e-06	LOC644145
cg13644528	TRUE	1e-07	2.5e-06	GLIPR2
cg25628433	TRUE	1e-07	2.5e-06	NPAS2
cg23604584	TRUE	1e-07	2.5e-06	KPNA3
cg12532266	TRUE	1e-07	2.5e-06	GDF9;UQCRQ
cg01845178	FALSE	1e-07	2.5e-06	PRRT2
cg23518532	TRUE	1e-07	2.5e-06	
cg19778822	TRUE	1e-07	2.5e-06	
cg02116437	TRUE	1e-07	2.5e-06	GPBAR1;GPBAR1;GPBAR1
cg10313149	TRUE	1e-07	2.5e-06	ZMIZ1
cg13496323	TRUE	1e-07	2.5e-06	HMCN1
cg00485380	TRUE	1e-07	2.5e-06	CBX3;CBX3;HNRNPA2B1;HNRNPA2B1
cg26225694	TRUE	1e-07	2.5e-06	LHX4
cg08918274	TRUE	1e-07	2.5e-06	VIM;VIM
cg09178261	TRUE	1e-07	2.5e-06	EPHA2
cg06397424	TRUE	1e-07	2.5e-06	NDE1;NDE1;KIAA0430
cg17568035	TRUE	1e-07	2.5e-06	FLOT2;DHRS13
cg00586367	TRUE	1e-07	2.5e-06	UBE2W;UBE2W
cg16341592	TRUE	1e-07	2.5e-06	BOC
cg07335234	TRUE	1e-07	2.5e-06	SEN2
cg02885771	TRUE	1e-07	2.5e-06	LTV1
cg07809452	TRUE	1e-07	2.5e-06	FGFRL1;FGFRL1
cg08715231	TRUE	1e-07	2.5e-06	
cg25442928	TRUE	1e-07	2.5e-06	GRAMD4
cg18039855	TRUE	1e-07	2.5e-06	ZDHHC5
cg09674627	TRUE	1e-07	2.5e-06	PPP2R2C
cg24170720	FALSE	1e-07	2.5e-06	
cg06482498	TRUE	1e-07	2.5e-06	C6orf48;SNORD48;C6orf48
cg14769991	TRUE	1e-07	2.5e-06	
cg03213259	TRUE	1e-07	2.5e-06	TRADD
cg02517524	FALSE	1e-07	2.5e-06	RTDR1;GNAZ
cg05160678	TRUE	1e-07	2.5e-06	S1PR1
cg08079136	TRUE	1e-07	2.5e-06	APRT;APRT
cg02149069	TRUE	1e-07	2.5e-06	IFFO1;IFFO1;IFFO1
cg15602841	TRUE	1e-07	2.5e-06	C8orf38
cg16113650	TRUE	1e-07	2.5e-06	VAR2;VAR2;VAR2
cg07669969	TRUE	1e-07	2.5e-06	
cg01937068	TRUE	1e-07	2.5e-06	
cg19441646	FALSE	1e-07	2.5e-06	RAGE
cg10073129	FALSE	1e-07	2.5e-06	COPS5;COPS5
cg19474833	TRUE	1e-07	2.5e-06	HOXB2
cg04945331	TRUE	1e-07	2.5e-06	SOX14
cg01566965	TRUE	1e-07	2.5e-06	HAND2
cg11330307	TRUE	1e-07	2.5e-06	SLCO3A1;SLCO3A1
cg22681246	TRUE	1e-07	2.5e-06	
cg00893471	TRUE	1e-07	2.5e-06	HOXD3
cg20911989	TRUE	1e-07	2.5e-06	GFAP;GFAP
cg02570593	FALSE	1e-07	2.5e-06	ING1;ING1;ING1;ING1;ING1
cg26787863	TRUE	1e-07	2.5e-06	PLEKHA6
cg23248150	TRUE	1e-07	2.5e-06	TLL1
cg25390506	TRUE	1e-07	2.5e-06	PL-5283

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg13787438	TRUE	1e-07	2.5e-06	LRRC3B
cg00449067	TRUE	1e-07	2.5e-06	CALCRL
cg07474266	TRUE	1e-07	2.5e-06	ZCCHC14
cg11229862	TRUE	1e-07	2.5e-06	CCDC37
cg23668028	TRUE	1e-07	2.5e-06	SLC16A8
cg05483571	TRUE	1e-07	2.5e-06	
cg19052355	TRUE	1e-07	2.5e-06	GBX2
cg20274965	TRUE	1e-07	2.5e-06	
cg05465755	TRUE	1e-07	2.5e-06	CKS2;CKS2
cg26316072	TRUE	1e-07	2.5e-06	FDPS;FDPS;FDPS
cg24798540	TRUE	1e-07	2.5e-06	TMEM213;ATP6V0A4;ATP6V0A4
cg18470815	TRUE	1e-07	2.5e-06	
cg09244754	TRUE	1e-07	2.5e-06	PKIB;SERINC1
cg26029734	TRUE	1e-07	2.5e-06	PAX6;PAX6;PAX6
cg03872736	TRUE	1e-07	2.5e-06	
cg01533258	TRUE	1e-07	2.5e-06	GSC
cg04081326	TRUE	1e-07	2.5e-06	FAM149A
cg23151000	TRUE	1e-07	2.6e-06	CYP1B1
cg05574357	TRUE	1e-07	2.6e-06	
cg17867605	TRUE	1e-07	2.6e-06	BAT4;CSNK2B
cg17755518	TRUE	1e-07	2.6e-06	SLC44A5;SLC44A5
cg09719750	TRUE	1e-07	2.6e-06	
cg10546977	TRUE	1e-07	2.6e-06	ZSWIM4
cg00579531	TRUE	1e-07	2.6e-06	DLGAP2
cg17574857	TRUE	1e-07	2.6e-06	FBXO38;FBXO38
cg11734588	TRUE	1e-07	2.6e-06	DHDH
cg09220838	TRUE	1e-07	2.6e-06	GOLGB1
cg23523215	TRUE	1e-07	2.6e-06	ALS2CR4;ALS2CR4
cg04392469	TRUE	1e-07	2.6e-06	MOSC2
cg02855207	TRUE	1e-07	2.6e-06	RELT;RELT
cg25201363	TRUE	1e-07	2.6e-06	LRPAP1
cg02146929	TRUE	1e-07	2.6e-06	PDE10A;PDE10A
cg11315449	TRUE	1e-07	2.6e-06	
cg17104151	TRUE	1e-07	2.6e-06	C1QC;C1QC;C1QC;C1QC
cg01311674	TRUE	1e-07	2.6e-06	WNT16;WNT16
cg06778159	TRUE	1e-07	2.6e-06	TNRC18
cg04256864	TRUE	1e-07	2.6e-06	EMX2OS
cg18441082	FALSE	1e-07	2.6e-06	ZNF622
cg16828937	FALSE	1e-07	2.6e-06	FDXR;FDXR
cg04159903	FALSE	1e-07	2.6e-06	
cg00025991	TRUE	1e-07	2.6e-06	DIP2C
cg08105265	TRUE	1e-07	2.6e-06	EPX
cg02733650	FALSE	1e-07	2.6e-06	DCTPP1;DCTPP1
cg22831514	FALSE	1e-07	2.6e-06	HSD17B11
cg26296488	TRUE	1e-07	2.6e-06	DRD5
cg02514794	TRUE	1e-07	2.6e-06	
cg24378945	TRUE	1e-07	2.6e-06	KBTBD3;KBTBD3;AASDHPPT
cg26644853	TRUE	1e-07	2.6e-06	CX3CL1
cg18858331	TRUE	1e-07	2.6e-06	PCDHGA4;PCDHGA12;PCDHGA11;PCDHGA11;PCDHGA9;PCDHGA
cg19489188	TRUE	1e-07	2.6e-06	SIRT6;ANKRD24
cg10733123	TRUE	1e-07	2.6e-06	RAD51L1;RAD51L1;RAD51L1
cg17212073	TRUE	1e-07	2.6e-06	LOC284023

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg23288755	TRUE	1e-07	2.6e-06	GABRD
cg22491680	TRUE	1e-07	2.6e-06	HAL
cg06989610	TRUE	1e-07	2.6e-06	FLJ12825
cg24474622	FALSE	1e-07	2.6e-06	C7orf50;C7orf50;C7orf50
cg09498572	TRUE	1e-07	2.6e-06	
cg04071964	TRUE	1e-07	2.6e-06	GPR128
cg14575009	FALSE	1e-07	2.6e-06	ZNF467
cg25485128	TRUE	1e-07	2.6e-06	UBA2
cg15426660	TRUE	1e-07	2.6e-06	
cg06019448	FALSE	1e-07	2.6e-06	
cg20040743	TRUE	1e-07	2.6e-06	NECAB1
cg02572713	TRUE	1e-07	2.6e-06	
cg11137160	TRUE	1e-07	2.6e-06	
cg04110902	TRUE	1e-07	2.6e-06	RUNX2;RUNX2;RUNX2
cg08074805	TRUE	1e-07	2.6e-06	
cg06189394	TRUE	1e-07	2.6e-06	LRIG1
cg03482600	TRUE	1e-07	2.6e-06	
cg07082447	TRUE	1e-07	2.6e-06	
cg03291960	TRUE	1e-07	2.6e-06	FAM126A
cg15503663	TRUE	1e-07	2.6e-06	SLC44A2
cg02540036	TRUE	1e-07	2.6e-06	
cg17059575	TRUE	1e-07	2.6e-06	LIG3;LIG3;LIG3;LIG3
cg18978493	TRUE	1e-07	2.6e-06	HOXA11AS;HOXA11
cg02761110	TRUE	1e-07	2.6e-06	MAGI1;MAGI1;MAGI1
cg13252226	TRUE	1e-07	2.6e-06	TRIM15
cg25936054	TRUE	1e-07	2.6e-06	
cg14565014	TRUE	1e-07	2.6e-06	PLEKHG6
cg09690424	TRUE	1e-07	2.6e-06	SHF
cg19681793	TRUE	1e-07	2.6e-06	THBS2
cg09578319	TRUE	1e-07	2.6e-06	INCA1;INCA1;INCA1;KIF1C;INCA1
cg02362984	TRUE	1e-07	2.6e-06	HDAC5;HDAC5
cg06348615	TRUE	1e-07	2.6e-06	RPGRIP1L;FTO;RPGRIP1L
cg05364122	TRUE	1e-07	2.6e-06	SH2D2A;SH2D2A;SH2D2A;SH2D2A;SH2D2A
cg22862746	TRUE	1e-07	2.6e-06	FAM150A
cg05860890	TRUE	1e-07	2.6e-06	KCNV1;KCNV1
cg25946869	FALSE	1e-07	2.6e-06	PLBD2;PLBD2
cg21494105	TRUE	1e-07	2.6e-06	
cg13763289	TRUE	1e-07	2.6e-06	
cg13899694	TRUE	1e-07	2.6e-06	TIAL1;TIAL1
cg25124030	TRUE	1e-07	2.6e-06	MRPL48
cg15858897	FALSE	1e-07	2.6e-06	CHKA;CHKA
cg06821999	TRUE	1e-07	2.6e-06	
cg01826444	TRUE	1e-07	2.6e-06	FNDC7
cg10165518	TRUE	1e-07	2.6e-06	IL27
cg12027493	TRUE	1e-07	2.6e-06	NXN
cg16246747	TRUE	1e-07	2.6e-06	ACOXL;ACOXL;ACOXL
cg04496899	TRUE	1e-07	2.6e-06	HHLA3;ANKRD13C;HHLA3;HHLA3;HHLA3;ANKRD13C
cg19045437	TRUE	1e-07	2.6e-06	PLXNA4
cg07748883	TRUE	1e-07	2.6e-06	BRUNOL4;BRUNOL4;BRUNOL4;BRUNOL4
cg03843542	TRUE	1e-07	2.7e-06	
cg03075214	TRUE	1e-07	2.7e-06	C11orf2
cg06434451	TRUE	1e-07	2.7e-06	MARCKSL1

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg21250356	TRUE	1e-07	2.7e-06	
cg03098159	TRUE	1e-07	2.7e-06	
cg04548841	TRUE	1e-07	2.7e-06	CNIH4
cg10068989	TRUE	1e-07	2.7e-06	
cg08249988	TRUE	1e-07	2.7e-06	NCAN;NCAN
cg19159404	FALSE	1e-07	2.7e-06	BAIAP2;BAIAP2;BAIAP2;BAIAP2
cg03840467	TRUE	1e-07	2.7e-06	SEPT9
cg08370996	TRUE	1e-07	2.7e-06	NR2F2;NR2F2
cg27623562	TRUE	1e-07	2.7e-06	NAP1L4
cg15829092	TRUE	1e-07	2.7e-06	ATP11A;ATP11A
cg01889448	TRUE	1e-07	2.7e-06	HLA-DQB1
cg09757712	TRUE	1e-07	2.7e-06	RALYL;RALYL;RALYL
cg05722371	TRUE	1e-07	2.7e-06	PEX19;PEX19
cg09443388	TRUE	1e-07	2.7e-06	XKR4
cg06218228	FALSE	1e-07	2.7e-06	UBE2F
cg01730064	TRUE	1e-07	2.7e-06	ARID4B;ARID4B
cg22182110	TRUE	1e-07	2.7e-06	GOLGB1
cg10547387	TRUE	1e-07	2.7e-06	PRTG
cg04296778	FALSE	1e-07	2.7e-06	DNTTIP2
cg20915802	FALSE	1e-07	2.7e-06	DENND3
cg03239591	TRUE	1e-07	2.7e-06	ABCF1;ABCF1
cg17234415	FALSE	1e-07	2.7e-06	GPC1
cg04848107	TRUE	1e-07	2.7e-06	CES8
cg05254747	TRUE	1e-07	2.7e-06	SLC39A14;SLC39A14;SLC39A14;SLC39A14
cg14134256	TRUE	1e-07	2.7e-06	AMOTL1
cg14208924	FALSE	1e-07	2.7e-06	SPATA5L1;SPATA5L1;SPATA5L1
cg27198497	TRUE	1e-07	2.7e-06	
cg07556773	FALSE	1e-07	2.7e-06	RUSC1;RUSC1;RUSC1;RUSC1;C1orf104;RUSC1
cg14905631	TRUE	1e-07	2.7e-06	C10orf2;C10orf2;MRPL43;C10orf2;MRPL43;MRPL43;MRPL43;C10orf2
cg26205341	TRUE	1e-07	2.7e-06	USP53
cg12156944	TRUE	1e-07	2.7e-06	GDF6
cg24903144	TRUE	1e-07	2.7e-06	PAX2;PAX2;PAX2;PAX2;PAX2
cg16390060	TRUE	1e-07	2.7e-06	NKX2-2
cg26116542	TRUE	1e-07	2.7e-06	
cg27441114	TRUE	1e-07	2.7e-06	VPS18
cg22054164	TRUE	1e-07	2.7e-06	ECE1;ECE1;ECE1
cg24775832	FALSE	1e-07	2.7e-06	COX7A2;COX7A2
cg02499308	TRUE	1e-07	2.7e-06	ACMSD
cg17018946	TRUE	1e-07	2.7e-06	
cg20723436	TRUE	1e-07	2.7e-06	NXPH2
cg22241838	TRUE	1e-07	2.7e-06	TMEM109
cg00179128	TRUE	1e-07	2.7e-06	HMGB1
cg15046909	TRUE	1e-07	2.7e-06	C6orf142
cg22560214	TRUE	1e-07	2.7e-06	
cg24938286	TRUE	1e-07	2.7e-06	MOG;MOG;MOG;MOG;MOG;MOG;MOG;MOG;MOG;MOG
cg19057882	TRUE	1e-07	2.7e-06	RALGAPB
cg12359158	TRUE	1e-07	2.7e-06	TCF21;TCF21
cg06055873	TRUE	1e-07	2.7e-06	HOXA2;HOXA2
cg14495514	TRUE	1e-07	2.7e-06	
cg15227168	TRUE	1e-07	2.7e-06	
cg13790268	TRUE	1e-07	2.7e-06	HHIPL1;HHIPL1
cg02520639	TRUE	1e-07	2.7e-06	PAG1

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg00177431	TRUE	1e-07	2.7e-06	PMEPA1;PMEPA1;PMEPA1;PMEPA1
cg16032408	TRUE	1e-07	2.7e-06	SLC6A6;SLC6A6;SLC6A6
cg04729913	TRUE	1e-07	2.7e-06	FLJ45983;FLJ45983
cg02222982	TRUE	1e-07	2.7e-06	CORO1B;CORO1B
cg11124930	TRUE	1e-07	2.7e-06	ALOXE3;ALOXE3
cg11824191	TRUE	1e-07	2.7e-06	NMNAT2;NMNAT2
cg24925945	TRUE	1e-07	2.7e-06	NAV2;NAV2;NAV2;NAV2
cg14519150	TRUE	1e-07	2.7e-06	DDOST
cg23870903	TRUE	1e-07	2.7e-06	
cg04471454	FALSE	1e-07	2.8e-06	RAB43
cg04588138	TRUE	1e-07	2.8e-06	
cg17365076	TRUE	1e-07	2.8e-06	
cg09664054	TRUE	1e-07	2.8e-06	HIVEP3;HIVEP3
cg25242557	TRUE	1e-07	2.8e-06	PAX6;PAX6;PAX6
cg13261825	TRUE	1e-07	2.8e-06	SLIT1
cg10755512	FALSE	1e-07	2.8e-06	ZNF197;ZNF197;ZNF197;ZNF197
cg08643003	TRUE	1e-07	2.8e-06	SOX6;SOX6;SOX6;SOX6
cg03519451	FALSE	1e-07	2.8e-06	TMUB1;TMUB1;TMUB1
cg12401425	TRUE	1e-07	2.8e-06	EXO1;EXO1;EXO1;EXO1
cg16399751	TRUE	1e-07	2.8e-06	
cg11866296	FALSE	1e-07	2.8e-06	HNF1B;HNF1B
cg08901901	TRUE	1e-07	2.8e-06	
cg13619528	TRUE	1e-07	2.8e-06	CYTSA;CYTSA
cg25235380	TRUE	1e-07	2.8e-06	ANKFY1;ANKFY1
cg10686916	TRUE	1e-07	2.8e-06	INSM2
cg19027636	TRUE	1e-07	2.8e-06	NSD1
cg01898698	TRUE	1e-07	2.8e-06	POU3F3
cg10336568	FALSE	1e-07	2.8e-06	LYRM1;DCUN1D3;LYRM1;LYRM1
cg08922547	TRUE	1e-07	2.8e-06	
cg07260806	TRUE	1e-07	2.8e-06	
cg13995399	TRUE	1e-07	2.8e-06	CREB5;CREB5;CREB5;CREB5
cg20585038	TRUE	1e-07	2.8e-06	
cg26987699	TRUE	1e-07	2.8e-06	GATA6
cg05079049	TRUE	1e-07	2.8e-06	
cg08711320	TRUE	1e-07	2.8e-06	ARHGEF16
cg14904433	FALSE	1e-07	2.8e-06	NUCKS1
cg22156632	TRUE	1e-07	2.8e-06	WNT6
cg12771187	TRUE	1e-07	2.8e-06	
cg01358444	TRUE	1e-07	2.8e-06	DST;DST;DST;DST;DST
cg24589292	TRUE	1e-07	2.8e-06	
cg16657928	TRUE	1e-07	2.8e-06	PPP2R5D;PPP2R5D;PPP2R5D
cg24460144	TRUE	1e-07	2.8e-06	SLC6A7;SLC6A7
cg02448276	TRUE	1e-07	2.8e-06	
cg16744438	TRUE	1e-07	2.8e-06	DDX6
cg02138331	TRUE	1e-07	2.8e-06	AHCY
cg00008446	TRUE	1e-07	2.8e-06	NTRK1;INSRR
cg17964505	TRUE	1e-07	2.8e-06	
cg07176514	TRUE	1e-07	2.8e-06	C1orf25;C1orf26;C1orf26;C1orf26
cg00218447	TRUE	1e-07	2.8e-06	HOXC4;HOXC5;HOXC5
cg26545268	TRUE	1e-07	2.8e-06	PKHD1L1
cg11008690	FALSE	1e-07	2.8e-06	TCEA1;TCEA1
cg22897615	TRUE	1e-07	2.8e-06	PRRT1

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg13355424	TRUE	1e-07	2.8e-06	
cg09313191	TRUE	1e-07	2.8e-06	DIP2C
cg16946271	TRUE	1e-07	2.8e-06	MAN1A1
cg15304464	TRUE	1e-07	2.8e-06	OPCML
cg17492326	TRUE	1e-07	2.8e-06	FAM91A1
cg18620913	TRUE	1e-07	2.8e-06	TRIM37;TRIM37
cg05810536	TRUE	1e-07	2.8e-06	
cg25786525	TRUE	1e-07	2.8e-06	C10orf11
cg24629898	TRUE	1e-07	2.8e-06	GJA3
cg05415146	TRUE	1e-07	2.8e-06	
cg24347611	TRUE	1e-07	2.8e-06	
cg27469094	TRUE	1e-07	2.8e-06	
cg07279070	TRUE	1e-07	2.8e-06	EMX1
cg21243939	TRUE	1e-07	2.8e-06	SAMD4A;SAMD4A
cg09526356	TRUE	1e-07	2.8e-06	PCDH9;PCDH9
cg03942271	TRUE	1e-07	2.8e-06	AUH
cg05098590	TRUE	1e-07	2.8e-06	ADD3;ADD3;ADD3
cg00574379	TRUE	1e-07	2.8e-06	
cg13976502	TRUE	1e-07	2.8e-06	C14orf43;C14orf43
cg17254405	TRUE	1e-07	2.8e-06	MTL5;MTL5
cg20743662	TRUE	1e-07	2.8e-06	
cg22343275	TRUE	1e-07	2.8e-06	
cg23729763	TRUE	1e-07	2.8e-06	APLP2;APLP2;APLP2;APLP2;APLP2;APLP2
cg04013024	TRUE	1e-07	2.8e-06	
cg16755598	FALSE	1e-07	2.8e-06	C14orf104;C14orf104
cg06150803	TRUE	1e-07	2.8e-06	TNFRSF19
cg23619357	TRUE	1e-07	2.8e-06	
cg18644481	FALSE	1e-07	2.8e-06	EHMT2;EHMT2
cg05488632	TRUE	1e-07	2.8e-06	EPHX3;EPHX3;EPHX3
cg02912279	TRUE	1e-07	2.8e-06	
cg11267879	TRUE	1e-07	2.8e-06	CYP2F1
cg15553500	TRUE	1e-07	2.8e-06	
cg11977716	TRUE	1e-07	2.8e-06	NFATC1;NFATC1;NFATC1;NFATC1
cg17478992	TRUE	1e-07	2.8e-06	SLC12A8
cg27078140	TRUE	1e-07	2.8e-06	
cg24008238	FALSE	1e-07	2.8e-06	MLLT4
cg03796729	TRUE	1e-07	2.8e-06	C14orf23;C14orf23
cg13696942	TRUE	1e-07	2.8e-06	DBX1
cg07947930	TRUE	1e-07	2.8e-06	PRELP;PRELP;PRELP;PRELP
cg17305800	TRUE	1e-07	2.8e-06	WDR51B;GALNT4
cg00891608	TRUE	1e-07	2.9e-06	C19orf40;CCDC123
cg17156402	TRUE	1e-07	2.9e-06	FAM131C
cg00855466	TRUE	1e-07	2.9e-06	ALDH3A1
cg12019109	TRUE	1e-07	2.9e-06	AZGP1
cg10201297	TRUE	1e-07	2.9e-06	ZBTB8B
cg00476771	TRUE	1e-07	2.9e-06	
cg27105446	TRUE	1e-07	2.9e-06	PSMB5;PSMB5;PSMB5
cg00351930	FALSE	1e-07	2.9e-06	ZEB1;ZEB1;ZEB1;ZEB1;LOC220930
cg04365452	TRUE	1e-07	2.9e-06	
cg09022584	FALSE	1e-07	2.9e-06	TMEM51;TMEM51;TMEM51;TMEM51
cg13241077	TRUE	1e-07	2.9e-06	FAM194B
cg22682162	TRUE	1e-07	2.9e-06	MIR548H3;C6orf167



CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg23459643	TRUE	1e-07	2.9e-06	PPARGC1B
cg06814851	TRUE	1e-07	2.9e-06	
cg05304177	TRUE	1e-07	2.9e-06	AMOTL2
cg13501085	FALSE	1e-07	2.9e-06	USE1
cg07827943	TRUE	1e-07	2.9e-06	KCNJ6
cg18485569	FALSE	1e-07	2.9e-06	PANX2;PANX2;PANX2
cg14036856	TRUE	1e-07	2.9e-06	C1orf210;C1orf210
cg16574134	TRUE	1e-07	2.9e-06	PAX2;PAX2;PAX2;PAX2;PAX2
cg12591625	TRUE	1e-07	2.9e-06	OPCML
cg16739198	FALSE	1e-07	2.9e-06	WIPI2;WIPI2;WIPI2;WIPI2
cg12966801	TRUE	1e-07	2.9e-06	ZNF211;ZNF211
cg22123728	TRUE	1e-07	2.9e-06	NOL12
cg00804433	TRUE	1e-07	2.9e-06	
cg07543400	TRUE	1e-07	2.9e-06	
cg11730703	TRUE	1e-07	2.9e-06	INF2;INF2;INF2
cg18258482	TRUE	1e-07	2.9e-06	ROS1
cg06670599	TRUE	1e-07	2.9e-06	BAT4
cg18102469	TRUE	1e-07	2.9e-06	CNBP;CNBP;CNBP;CNBP;CNBP;CNBP;CNBP;CNBP;CNBP;CNBP;C
cg08746496	TRUE	1e-07	2.9e-06	RLBP1
cg03459811	TRUE	1e-07	2.9e-06	PLXNB1;PLXNB1
cg00766220	TRUE	1e-07	2.9e-06	
cg01254977	TRUE	1e-07	2.9e-06	HLCS
cg06486124	FALSE	1e-07	2.9e-06	PIGQ;PIGQ
cg25463331	TRUE	1e-07	2.9e-06	VPS52;RPS18
cg04062907	TRUE	1e-07	2.9e-06	ANAPC7;ANAPC7
cg05917225	TRUE	1e-07	2.9e-06	NEDD9;NEDD9;NEDD9
cg01721313	TRUE	1e-07	2.9e-06	
cg21570220	TRUE	1e-07	2.9e-06	SLC11A2
cg20818457	TRUE	1e-07	2.9e-06	TRIM2;TRIM2
cg26236177	TRUE	1e-07	2.9e-06	
cg00661010	TRUE	1e-07	2.9e-06	MTRF1L;MTRF1L;MTRF1L;MTRF1L
cg02334775	TRUE	1e-07	2.9e-06	ISG20
cg00650953	TRUE	1e-07	2.9e-06	CNTNAP2
cg00117913	TRUE	1e-07	2.9e-06	VPS13B;VPS13B;VPS13B;VPS13B
cg13611173	TRUE	1e-07	2.9e-06	NAA30;NAA30
cg12196573	TRUE	1e-07	2.9e-06	HOXA7
cg02036077	TRUE	1e-07	2.9e-06	HMGXB4;HMGXB4
cg11228872	TRUE	1e-07	2.9e-06	CALR
cg16673198	TRUE	1e-07	2.9e-06	CPNE4
cg11504264	TRUE	1e-07	2.9e-06	
cg18457113	TRUE	1e-07	2.9e-06	PCCB
cg15197583	TRUE	1e-07	2.9e-06	MIR548H4;NOX5
cg17243628	TRUE	1e-07	2.9e-06	SLC2A5
cg26222042	TRUE	1e-07	2.9e-06	RNASEN;RNASEN;C5orf22;RNASEN;RNASEN
cg03311849	FALSE	1e-07	2.9e-06	PPP1R12A;PPP1R12A
cg06125903	TRUE	1e-07	2.9e-06	CTS2
cg02929310	TRUE	1e-07	2.9e-06	MCF2L2
cg11798182	TRUE	1e-07	2.9e-06	C14orf64
cg25193323	FALSE	1e-07	2.9e-06	
cg12080687	TRUE	1e-07	2.9e-06	LOC100134259
cg07091798	TRUE	1e-07	2.9e-06	
cg07362328	TRUE	1e-07	2.9e-06	DMRTA2

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg08632909	TRUE	1e-07	2.9e-06	FADD
cg04599631	TRUE	1e-07	2.9e-06	HPSE;HPSE;HPSE;HPSE;HPSE
cg26791985	TRUE	1e-07	2.9e-06	ABHD14A;ABHD14B;ABHD14B;ABHD14B
cg19366877	TRUE	1e-07	2.9e-06	C1orf157
cg22637730	TRUE	1e-07	2.9e-06	PPM1L
cg07193553	TRUE	1e-07	2.9e-06	DIO3
cg00696803	FALSE	1e-07	2.9e-06	MAP3K14
cg09025215	TRUE	1e-07	2.9e-06	TLR5
cg06856275	TRUE	1e-07	2.9e-06	
cg20388823	TRUE	1e-07	2.9e-06	GRID2
cg10463708	TRUE	1e-07	2.9e-06	LRRC8D;LRRC8D
cg00929878	TRUE	1e-07	2.9e-06	NOL8;NOL8;CENPP
cg16732787	TRUE	1e-07	2.9e-06	DUSP5P
cg25179853	TRUE	1e-07	2.9e-06	
cg23957159	TRUE	1e-07	2.9e-06	CASZ1;CASZ1
cg26511585	TRUE	1e-07	3.0e-06	MPPED1
cg13208562	TRUE	1e-07	3.0e-06	IFNAR2;IFNAR2;IFNAR2
cg07131742	TRUE	1e-07	3.0e-06	B3GNT1;BRMS1;BRMS1
cg18397975	TRUE	1e-07	3.0e-06	AMACR;AMACR;AMACR;AMACR;AMACR;AMACR
cg09912350	TRUE	1e-07	3.0e-06	GUCY1A3;GUCY1A3;GUCY1A3;GUCY1A3;GUCY1A3;GUCY1A3;GUCY1A3;GUCY1A3
cg26863750	TRUE	1e-07	3.0e-06	
cg05259872	TRUE	1e-07	3.0e-06	PALLD;PALLD;PALLD
cg27345924	TRUE	1e-07	3.0e-06	
cg16232504	TRUE	1e-07	3.0e-06	SNX7;SNX7
cg02584432	TRUE	1e-07	3.0e-06	SPATA24
cg18651578	TRUE	1e-07	3.0e-06	C20orf196
cg08657424	TRUE	1e-07	3.0e-06	MANEAL;MANEAL
cg15987088	TRUE	1e-07	3.0e-06	GHSR;GHSR
cg20462855	TRUE	1e-07	3.0e-06	HEY2
cg11625451	FALSE	1e-07	3.0e-06	GAN
cg04812484	TRUE	1e-07	3.0e-06	FAM194B
cg15593965	FALSE	1e-07	3.0e-06	
cg20451566	TRUE	1e-07	3.0e-06	GTSF1
cg01727646	TRUE	1e-07	3.0e-06	
cg19360850	TRUE	1e-07	3.0e-06	YY1AP1;YY1AP1
cg21436520	FALSE	1e-07	3.0e-06	
cg00504599	TRUE	1e-07	3.0e-06	BAHCC1
cg07691609	TRUE	1e-07	3.0e-06	RNF126
cg02659217	TRUE	1e-07	3.0e-06	N4BP3
cg26474057	TRUE	1e-07	3.0e-06	TRIM52
cg05633605	TRUE	1e-07	3.0e-06	ANKRD55
cg01003959	TRUE	1e-07	3.0e-06	PFN4;LOC375190
cg23699700	TRUE	1e-07	3.0e-06	SMAD7
cg07645194	TRUE	1e-07	3.0e-06	FAM43A;FAM43A
cg11314471	TRUE	1e-07	3.0e-06	
cg13327545	TRUE	1e-07	3.0e-06	
cg12438842	TRUE	1e-07	3.0e-06	PLCL2
cg22788908	TRUE	1e-07	3.0e-06	POU2F1
cg26349048	TRUE	1e-07	3.0e-06	OR5W2
cg21849932	TRUE	1e-07	3.0e-06	LIME1
cg24489344	TRUE	1e-07	3.0e-06	
cg00213052	TRUE	1e-07	3.0e-06	

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg09732255	TRUE	1e-07	3.0e-06	MYT1L
cg03988329	TRUE	1e-07	3.0e-06	NFE2L2;NFE2L2;NFE2L2
cg15526035	TRUE	1e-07	3.0e-06	
cg11460110	TRUE	1e-07	3.0e-06	PRR3;PRR3
cg02840816	TRUE	1e-07	3.0e-06	ZNF286A;ZNF286A
cg02485597	TRUE	1e-07	3.0e-06	
cg05856387	TRUE	1e-07	3.0e-06	TLX2
cg08873779	TRUE	1e-07	3.0e-06	RNF166;CTU2;CTU2
cg15186181	TRUE	1e-07	3.0e-06	SOX17
cg18385440	TRUE	1e-07	3.0e-06	APBA2;APBA2
cg07009823	TRUE	1e-07	3.0e-06	KIF6
cg10520790	TRUE	1e-07	3.0e-06	PROM1;PROM1;PROM1;PROM1;PROM1;PROM1;PROM1
cg13232176	TRUE	1e-07	3.0e-06	KIAA1671
cg02466947	TRUE	1e-07	3.0e-06	LOC645323;LOC645323;LOC645323
cg14257593	FALSE	1e-07	3.1e-06	CLTA;CLTA;CLTA
cg13518604	TRUE	1e-07	3.1e-06	NFIB;NFIB
cg06464452	TRUE	1e-07	3.1e-06	STBD1;STBD1
cg13035910	TRUE	1e-07	3.1e-06	
cg27218500	TRUE	1e-07	3.1e-06	
cg00211738	TRUE	1e-07	3.1e-06	
cg21122370	TRUE	1e-07	3.1e-06	SLIT3
cg10538030	TRUE	1e-07	3.1e-06	PHF12;PHF12
cg27467114	TRUE	1e-07	3.1e-06	
cg15730248	TRUE	1e-07	3.1e-06	
cg13208732	TRUE	1e-07	3.1e-06	CHCHD7;CHCHD7;CHCHD7;CHCHD7;PLAG1;CHCHD7;PLAG1;CHCHD7
cg17641252	TRUE	1e-07	3.1e-06	PLEK2
cg17622527	TRUE	1e-07	3.1e-06	
cg21549285	TRUE	1e-07	3.1e-06	MX1;MX1
cg25916307	FALSE	1e-07	3.1e-06	KREMEN1;KREMEN1
cg10023178	TRUE	1e-07	3.1e-06	
cg13313384	TRUE	1e-07	3.1e-06	C20orf3
cg03538436	TRUE	1e-07	3.1e-06	NOS1;NOS1
cg20082877	TRUE	1e-07	3.1e-06	
cg10704395	TRUE	1e-07	3.1e-06	CAMK1D;CAMK1D
cg17033359	TRUE	1e-07	3.1e-06	
cg24152251	TRUE	1e-07	3.1e-06	
cg01796781	TRUE	1e-07	3.1e-06	EPHA10;EPHA10
cg18592365	TRUE	1e-07	3.1e-06	ELTD1
cg11468819	TRUE	1e-07	3.1e-06	
cg24427993	TRUE	1e-07	3.1e-06	
cg12033216	TRUE	1e-07	3.1e-06	
cg17029062	TRUE	1e-07	3.1e-06	TRIM71
cg07319614	TRUE	1e-07	3.1e-06	PDPK1;PDPK1
cg06761719	TRUE	1e-07	3.1e-06	POM121L2
cg02994863	TRUE	1e-07	3.1e-06	PGM1
cg01755369	TRUE	1e-07	3.1e-06	ILF3;ILF3;ILF3;ILF3;LOC147727;ILF3
cg03469618	TRUE	1e-07	3.1e-06	
cg15238467	FALSE	1e-07	3.1e-06	LRP1
cg01543654	TRUE	1e-07	3.1e-06	C17orf93;PRAC
cg07022769	TRUE	1e-07	3.1e-06	
cg17015844	TRUE	1e-07	3.1e-06	ASCL1
cg12269138	TRUE	1e-07	3.1e-06	

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg03448396	FALSE	1e-07	3.1e-06	LOC100128640;ACVR2B
cg17741501	TRUE	1e-07	3.1e-06	
cg13241659	TRUE	1e-07	3.1e-06	
cg13736875	TRUE	1e-07	3.1e-06	UBE2C;UBE2C;UBE2C;UBE2C;UBE2C;UBE2C
cg18876157	TRUE	1e-07	3.1e-06	
cg02366772	TRUE	1e-07	3.1e-06	FLJ23834
cg01158277	TRUE	1e-07	3.1e-06	CRYAB;HSPB2
cg09907170	TRUE	1e-07	3.1e-06	BCL2L11;BCL2L11;BCL2L11
cg09380695	TRUE	1e-07	3.1e-06	VMO1;VMO1;VMO1;VMO1
cg27372468	TRUE	1e-07	3.1e-06	SLC22A4;SLC22A4
cg23541422	TRUE	1e-07	3.1e-06	
cg14664628	TRUE	1e-07	3.1e-06	CSK;CSK
cg08279075	TRUE	1e-07	3.1e-06	IRX3
cg10348972	TRUE	1e-07	3.1e-06	
cg13551269	TRUE	1e-07	3.1e-06	ZNF253
cg21198586	TRUE	1e-07	3.1e-06	TEAD1
cg08529931	TRUE	1e-07	3.1e-06	GRID1
cg11933019	TRUE	1e-07	3.1e-06	CNTN5;CNTN5
cg14476095	TRUE	1e-07	3.1e-06	LOC285194
cg18628449	TRUE	1e-07	3.1e-06	SHROOM3
cg16966815	TRUE	1e-07	3.1e-06	ST6GALNAC5
cg21760146	FALSE	1e-07	3.1e-06	RPS6KA2
cg26722327	TRUE	1e-07	3.1e-06	
cg10413342	TRUE	1e-07	3.1e-06	MRPL21;IGHMBP2;MRPL21
cg10598683	TRUE	1e-07	3.1e-06	CAMK1D;CAMK1D
cg02511456	TRUE	1e-07	3.1e-06	MNX1;MNX1
cg25989075	TRUE	1e-07	3.1e-06	NHSL1
cg03725852	FALSE	1e-07	3.1e-06	ELMOD1;LOC643923;ELMOD1
cg05769086	TRUE	1e-07	3.1e-06	
cg11642652	TRUE	1e-07	3.1e-06	SLCO5A1;SLCO5A1;SLCO5A1
cg14851949	FALSE	1e-07	3.1e-06	ARID1A;ARID1A
cg26948895	TRUE	1e-07	3.1e-06	RHCG
cg19547144	TRUE	1e-07	3.1e-06	C3orf25
cg20923885	TRUE	1e-07	3.1e-06	SEPT9;SEPT9;SEPT9;SEPT9;SEPT9;SEPT9;SEPT9
cg19355087	TRUE	1e-07	3.1e-06	NKX6-2
cg03236328	TRUE	1e-07	3.2e-06	
cg11222173	TRUE	1e-07	3.2e-06	RPTOR;RPTOR
cg06528340	FALSE	1e-07	3.2e-06	LOC728661;CDK11B;CDK11B;CDK11B;CDK11B;CDK11B;CDK11B
cg03116148	TRUE	1e-07	3.2e-06	ZNF789;ZNF789
cg03562117	TRUE	1e-07	3.2e-06	RALYL;RALYL;RALYL;RALYL
cg24337683	TRUE	1e-07	3.2e-06	CHMP2B
cg23999695	TRUE	1e-07	3.2e-06	
cg17844725	TRUE	1e-07	3.2e-06	
cg18137704	TRUE	1e-07	3.2e-06	CECR6;CECR6
cg07837516	FALSE	1e-07	3.2e-06	DNAL4
cg09431913	TRUE	1e-07	3.2e-06	EGR3
cg25183082	TRUE	1e-07	3.2e-06	QARS
cg15405515	TRUE	1e-07	3.2e-06	
cg12599700	TRUE	1e-07	3.2e-06	
cg09934365	FALSE	1e-07	3.2e-06	TMEM194A;TMEM194A
cg17311725	TRUE	1e-07	3.2e-06	PPP1R7;PASK
cg26421572	TRUE	1e-07	3.2e-06	MLL5;LOC100216545;MLL5

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg16882206	TRUE	1e-07	3.2e-06	
cg07804857	TRUE	1e-07	3.2e-06	LRRC50
cg08424639	TRUE	1e-07	3.2e-06	GMEB2
cg02278437	TRUE	1e-07	3.2e-06	
cg24228559	TRUE	1e-07	3.2e-06	MAPK8IP2;MAPK8IP2
cg26925231	TRUE	1e-07	3.2e-06	SGCZ
cg18599750	TRUE	1e-07	3.2e-06	BCL11B;BCL11B
cg05121603	TRUE	1e-07	3.2e-06	MTG1
cg08992872	TRUE	1e-07	3.2e-06	CALB1;CALB1
cg20680720	TRUE	1e-07	3.2e-06	ZNF568;ZNF829
cg06901890	TRUE	1e-07	3.2e-06	FNBP1
cg24774306	TRUE	1e-07	3.2e-06	CXCL6
cg09048500	TRUE	1e-07	3.2e-06	
cg21317965	TRUE	1e-07	3.2e-06	TFAP2B
cg07687766	TRUE	1e-07	3.2e-06	
cg07739478	TRUE	1e-07	3.2e-06	C6orf25;C6orf25;C6orf25;C6orf25;C6orf25;C6orf25
cg02099878	TRUE	1e-07	3.2e-06	
cg08161947	FALSE	1e-07	3.2e-06	AEBP2;AEBP2
cg25503695	TRUE	1e-07	3.2e-06	CPLX1
cg02702693	TRUE	1e-07	3.2e-06	
cg13149662	FALSE	1e-07	3.2e-06	KDM2B;KDM2B
cg08345575	FALSE	1e-07	3.2e-06	NMRAL1;HMOX2
cg17835455	TRUE	1e-07	3.2e-06	
cg11204444	TRUE	1e-07	3.2e-06	TTC26;TTC26;TTC26;TTC26;TTC26;TTC26
cg11758132	TRUE	1e-07	3.2e-06	
cg02872868	TRUE	1e-07	3.2e-06	SORBS2;SORBS2;SORBS2;SORBS2;SORBS2;SORBS2;SORBS2;SORBS2
cg03196097	TRUE	1e-07	3.2e-06	
cg01397912	TRUE	1e-07	3.2e-06	C19orf51;TNNI3
cg09788666	TRUE	1e-07	3.2e-06	MRPS31
cg05451359	TRUE	1e-07	3.2e-06	MIR548H4
cg12126656	TRUE	1e-07	3.2e-06	INPP5A
cg27508551	TRUE	1e-07	3.2e-06	HOXA7
cg23306089	FALSE	1e-07	3.2e-06	MAD1L1;MAD1L1;MAD1L1
cg05063339	TRUE	1e-07	3.2e-06	
cg25372335	TRUE	1e-07	3.2e-06	C10orf58
cg08867499	TRUE	1e-07	3.2e-06	
cg15385345	FALSE	1e-07	3.2e-06	
cg23031493	TRUE	1e-07	3.2e-06	LHX5
cg01712059	TRUE	1e-07	3.2e-06	
cg02324920	TRUE	1e-07	3.2e-06	NEURL
cg05342987	FALSE	1e-07	3.2e-06	DAAM1
cg10611580	TRUE	1e-07	3.2e-06	SEPT9;SEPT9;SEPT9
cg16122269	TRUE	1e-07	3.2e-06	
cg09631415	TRUE	1e-07	3.2e-06	CDH11
cg12483833	TRUE	1e-07	3.2e-06	FNDC7
cg01100912	TRUE	1e-07	3.2e-06	EFNA5
cg20140110	TRUE	1e-07	3.2e-06	TMTC1
cg13525397	TRUE	1e-07	3.2e-06	HCG22
cg17337483	TRUE	1e-07	3.2e-06	
cg20948151	TRUE	1e-07	3.3e-06	LSM10
cg21448870	TRUE	1e-07	3.3e-06	RYBP
cg00078861	TRUE	1e-07	3.3e-06	

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg03475044	TRUE	1e-07	3.3e-06	
cg07248377	TRUE	1e-07	3.3e-06	MGRN1;MGRN1;MGRN1;MGRN1
cg24258013	FALSE	1e-07	3.3e-06	PARP12;PARP12
cg14317230	TRUE	1e-07	3.3e-06	MTDH
cg22946150	TRUE	1e-07	3.3e-06	SH3GL3;SH3GL3;SH3GL3
cg11981599	TRUE	1e-07	3.3e-06	GATA4
cg12591404	TRUE	1e-07	3.3e-06	BHLHE40
cg19454405	TRUE	1e-07	3.3e-06	PTPN23
cg09162909	TRUE	1e-07	3.3e-06	RBP7
cg22094042	TRUE	1e-07	3.3e-06	PTDSS2
cg24541426	TRUE	1e-07	3.3e-06	HOXD3
cg11222696	TRUE	1e-07	3.3e-06	
cg08149253	TRUE	1e-07	3.3e-06	FBLN1;FBLN1;FBLN1;FBLN1
cg04109359	TRUE	1e-07	3.3e-06	
cg01890845	TRUE	1e-07	3.3e-06	TUB;TUB
cg16819381	TRUE	1e-07	3.3e-06	
cg01518259	TRUE	1e-07	3.3e-06	
cg10575261	TRUE	1e-07	3.3e-06	ZNF454
cg06002638	TRUE	1e-07	3.3e-06	ACACB
cg05549769	TRUE	1e-07	3.3e-06	GPN2
cg07668908	TRUE	1e-07	3.3e-06	C4orf22
cg00184016	FALSE	1e-07	3.3e-06	ATXN2L;ATXN2L;ATXN2L;ATXN2L;ATXN2L
cg03388789	TRUE	1e-07	3.3e-06	ZIC4;ZIC4;ZIC4
cg10530281	TRUE	1e-07	3.3e-06	TBX3;TBX3
cg13425998	TRUE	1e-07	3.3e-06	ASB6;ASB6
cg00036723	TRUE	1e-07	3.3e-06	CCL1
cg12598048	FALSE	1e-07	3.3e-06	CYFIP1;CYFIP1
cg16454426	TRUE	1e-07	3.3e-06	C8orf22
cg20524271	TRUE	1e-07	3.3e-06	
cg24338411	TRUE	1e-07	3.3e-06	
cg01569204	TRUE	1e-07	3.3e-06	
cg25860425	FALSE	1e-07	3.3e-06	ATG2A;ATG2A
cg14173199	FALSE	1e-07	3.3e-06	PANK4
cg12335708	TRUE	1e-07	3.3e-06	DPP4;DPP4
cg20081969	TRUE	1e-07	3.3e-06	ARNT2
cg07499553	TRUE	1e-07	3.3e-06	LOC134466
cg06898463	TRUE	1e-07	3.3e-06	PBLD;PBLD
cg13109482	TRUE	1e-07	3.3e-06	TSSC1
cg10603443	TRUE	1e-07	3.3e-06	C7orf59;C7orf59
cg23497707	TRUE	1e-07	3.3e-06	APC
cg02056682	TRUE	1e-07	3.3e-06	IRX5
cg16565394	TRUE	1e-07	3.3e-06	SIM1
cg25015674	TRUE	1e-07	3.3e-06	RRAGC
cg17479576	TRUE	1e-07	3.3e-06	FAM160A1
cg07298431	TRUE	1e-07	3.3e-06	PRDM10;PRDM10;PRDM10;PRDM10
cg00506299	TRUE	1e-07	3.3e-06	RFTN1
cg15233681	TRUE	1e-07	3.3e-06	IL1R1
cg22032894	TRUE	1e-07	3.3e-06	LAMB1;LAMB1
cg19977241	FALSE	1e-07	3.3e-06	MOGS;MOGS
cg23919670	TRUE	1e-07	3.3e-06	ZNF192
cg01058368	TRUE	1e-07	3.3e-06	CDH10
cg24668736	TRUE	1e-07	3.3e-06	LOC401463

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg03063639	FALSE	1e-07	3.3e-06	TM6SF1;TM6SF1;TM6SF1;TM6SF1
cg03651680	TRUE	1e-07	3.3e-06	SOCS5;SOCS5
cg23032316	TRUE	1e-07	3.4e-06	AAAS
cg04319921	TRUE	1e-07	3.4e-06	DAB2
cg16648137	TRUE	1e-07	3.4e-06	GOT1L1
cg02000606	TRUE	1e-07	3.4e-06	ABCB4;ABCB4;ABCB4
cg03101664	TRUE	1e-07	3.4e-06	SNX15;SNX15
cg11396509	TRUE	1e-07	3.4e-06	SIRT2;SIRT2;NFKBIB;NFKBIB
cg03115547	TRUE	1e-07	3.4e-06	ZNF507;ZNF507
cg07598755	TRUE	1e-07	3.4e-06	DOC2A
cg17835356	TRUE	1e-07	3.4e-06	GINS4
cg03940520	TRUE	1e-07	3.4e-06	TAC4;TAC4;TAC4;TAC4;TAC4
cg08556772	TRUE	1e-07	3.4e-06	COL4A2
cg01790464	TRUE	1e-07	3.4e-06	SLC7A8;SLC7A8
cg12746059	TRUE	1e-07	3.4e-06	PCDH10;PCDH10
cg03587422	TRUE	1e-07	3.4e-06	APLP1;APLP1
cg15889173	TRUE	1e-07	3.4e-06	RERE;RERE;RERE
cg02585142	TRUE	1e-07	3.4e-06	HAPLN3
cg23661466	TRUE	1e-07	3.4e-06	
cg00690431	TRUE	1e-07	3.4e-06	PTGS2
cg13903282	TRUE	1e-07	3.4e-06	
cg19778015	TRUE	1e-07	3.4e-06	VGLL4;VGLL4;VGLL4
cg07429192	TRUE	1e-07	3.4e-06	
cg13912115	TRUE	1e-07	3.4e-06	RXFP3
cg03475245	TRUE	1e-07	3.4e-06	KIAA1688
cg18434848	TRUE	1e-07	3.4e-06	KIRREL3;KIRREL3;KIRREL3;KIRREL3
cg15328241	TRUE	1e-07	3.4e-06	CTNNA2;CTNNA2
cg25601040	TRUE	1e-07	3.4e-06	
cg22903908	TRUE	1e-07	3.4e-06	EGR2;EGR2
cg11653078	TRUE	1e-07	3.4e-06	SCARNA2
cg02102829	TRUE	1e-07	3.4e-06	CTBP2;CTBP2
cg17398851	FALSE	1e-07	3.4e-06	PRR24
cg23815915	TRUE	1e-07	3.4e-06	ZNF184
cg19595760	TRUE	1e-07	3.4e-06	MAN1C1
cg18048975	TRUE	1e-07	3.4e-06	KIAA0141;KIAA0141
cg27588119	TRUE	1e-07	3.4e-06	RNFT1
cg26497348	TRUE	1e-07	3.4e-06	DSC3;DSC3
cg00428193	FALSE	1e-07	3.4e-06	PEG3;PEG3;PEG3;PEG3;ZIM2;ZIM2;PEG3;ZIM2
cg14966362	FALSE	1e-07	3.4e-06	
cg27268717	TRUE	1e-07	3.4e-06	GBAS
cg04624110	TRUE	1e-07	3.4e-06	MACROD2
cg08191530	TRUE	1e-07	3.4e-06	INSL3
cg04558386	TRUE	1e-07	3.4e-06	CCDC90A
cg25008813	TRUE	1e-07	3.4e-06	
cg10779202	TRUE	1e-07	3.4e-06	
cg25963123	FALSE	1e-07	3.4e-06	CEP164
cg02452491	TRUE	1e-07	3.4e-06	KLF12
cg15601807	TRUE	1e-07	3.4e-06	C10orf25;ZNF22
cg26719995	FALSE	1e-07	3.4e-06	KHK;EMILIN1;KHK
cg21690631	TRUE	1e-07	3.4e-06	TPK1;TPK1
cg04976154	TRUE	1e-07	3.4e-06	
cg18452703	TRUE	1e-07	3.4e-06	

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg02386983	TRUE	1e-07	3.4e-06	KDM3A;KDM3A
cg05148180	TRUE	1e-07	3.4e-06	
cg18020785	TRUE	1e-07	3.4e-06	CPS1;CPS1;CPS1
cg02711479	TRUE	1e-07	3.4e-06	STK40
cg08378598	TRUE	1e-07	3.4e-06	C13orf18
cg15840462	TRUE	1e-07	3.4e-06	AGRN
cg16430687	TRUE	1e-07	3.4e-06	PROCR
cg19946982	TRUE	1e-07	3.4e-06	NEURL
cg09109450	TRUE	1e-07	3.4e-06	C2orf43
cg19101326	TRUE	1e-07	3.4e-06	ZFPM2;ZFPM2
cg10167316	TRUE	1e-07	3.4e-06	SEC61A1
cg12195369	TRUE	1e-07	3.4e-06	ISOC2;ISOC2;ISOC2;ISOC2;ISOC2;ISOC2
cg14879279	TRUE	1e-07	3.4e-06	
cg05080811	TRUE	1e-07	3.4e-06	
cg13015534	TRUE	1e-07	3.4e-06	ST6GALNAC1;ST6GALNAC1
cg23372544	TRUE	1e-07	3.4e-06	
cg11289368	TRUE	1e-07	3.4e-06	TTC18
cg21416544	TRUE	1e-07	3.4e-06	A2ML1
cg02992224	TRUE	1e-07	3.4e-06	HEPHL1
cg16948465	TRUE	1e-07	3.4e-06	
cg14663022	TRUE	1e-07	3.4e-06	SS18;SS18
cg01444004	TRUE	1e-07	3.5e-06	GREB1;GREB1;GREB1
cg00207226	TRUE	1e-07	3.5e-06	FLJ44606;FLJ44606
cg13115616	TRUE	1e-07	3.5e-06	ATP13A2;ATP13A2;ATP13A2
cg24724503	TRUE	1e-07	3.5e-06	RLF
cg05512327	TRUE	1e-07	3.5e-06	SHOX2;SHOX2;SHOX2
cg26129110	TRUE	1e-07	3.5e-06	ADCY2
cg21811204	TRUE	1e-07	3.5e-06	SHROOM1
cg13136824	TRUE	1e-07	3.5e-06	
cg00061695	TRUE	1e-07	3.5e-06	NLGN2
cg07250222	TRUE	1e-07	3.5e-06	FGFR2;FGFR2;FGFR2;FGFR2;FGFR2
cg07213060	TRUE	1e-07	3.5e-06	PAX1
cg11270237	TRUE	1e-07	3.5e-06	
cg21643295	TRUE	1e-07	3.5e-06	PRPF40B;PRPF40B
cg09353063	TRUE	1e-07	3.5e-06	OXTR;OXTR
cg18581929	TRUE	1e-07	3.5e-06	
cg09326404	TRUE	1e-07	3.5e-06	
cg07661849	TRUE	1e-07	3.5e-06	ZNF827
cg11282353	TRUE	1e-07	3.5e-06	SLCO2A1
cg07106766	TRUE	1e-07	3.5e-06	
cg18528367	TRUE	1e-07	3.5e-06	SIM1
cg03171419	TRUE	1e-07	3.5e-06	GPR124
cg22718050	TRUE	1e-07	3.5e-06	TMEM52
cg01648609	TRUE	1e-07	3.5e-06	
cg02642958	TRUE	1e-07	3.5e-06	
cg02065704	TRUE	1e-07	3.5e-06	RABL4;RABL4
cg09576488	TRUE	1e-07	3.5e-06	
cg23540765	FALSE	1e-07	3.5e-06	SBNO2
cg25720825	TRUE	1e-07	3.5e-06	
cg00380924	TRUE	1e-07	3.5e-06	RPS6KA2;RPS6KA2
cg11791144	TRUE	1e-07	3.5e-06	NRG1
cg16983110	TRUE	1e-07	3.5e-06	PTPRK;PTPRK



CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg27104822	TRUE	1e-07	3.5e-06	AP1M2
cg07178945	TRUE	1e-07	3.5e-06	FGF23;FGF23
cg03194226	TRUE	1e-07	3.5e-06	CLEC3B
cg02942845	TRUE	1e-07	3.5e-06	CRISPLD1;CRISPLD1
cg06929449	TRUE	1e-07	3.5e-06	
cg07133097	TRUE	1e-07	3.5e-06	
cg07078960	TRUE	1e-07	3.5e-06	COMMD8
cg23291126	TRUE	1e-07	3.5e-06	
cg27112264	TRUE	1e-07	3.5e-06	ZNF814
cg06150468	TRUE	1e-07	3.5e-06	BATF3
cg13527631	TRUE	1e-07	3.5e-06	ECE2
cg05278307	TRUE	1e-07	3.5e-06	DSCAML1
cg15604182	TRUE	1e-07	3.5e-06	
cg20673506	TRUE	1e-07	3.5e-06	MRPL18;TCP1;TCP1
cg04994964	TRUE	1e-07	3.5e-06	MT1M;MT1M
cg04116432	TRUE	1e-07	3.5e-06	
cg09427644	TRUE	1e-07	3.5e-06	PATE3
cg23167644	TRUE	1e-07	3.5e-06	LOC100130581;LOC100130581
cg16841748	TRUE	1e-07	3.5e-06	
cg04880732	FALSE	1e-07	3.5e-06	SLC24A4;SLC24A4;SLC24A4
cg23973626	FALSE	1e-07	3.5e-06	PGPEP1
cg25007572	TRUE	1e-07	3.5e-06	TMEM223
cg01643320	TRUE	1e-07	3.5e-06	MRPS24
cg05904366	TRUE	1e-07	3.5e-06	ANO9
cg08900106	TRUE	1e-07	3.6e-06	
cg15860013	TRUE	1e-07	3.6e-06	FAIM;FAIM;FAIM;FAIM;FAIM;FAIM;FAIM
cg11612852	TRUE	1e-07	3.6e-06	KCNIP4;KCNIP4
cg18527133	TRUE	1e-07	3.6e-06	LGR5
cg02249648	TRUE	1e-07	3.6e-06	FBXL14
cg04908106	FALSE	1e-07	3.6e-06	LMF1
cg02165799	FALSE	1e-07	3.6e-06	NKAIN4;NKAIN4;FLJ16779
cg02890434	TRUE	1e-07	3.6e-06	C2orf60;C2orf60;C2orf47
cg08344341	TRUE	1e-07	3.6e-06	LMBRD2;SKP2;SKP2;LMBRD2
cg10165071	TRUE	1e-07	3.6e-06	IGFBP5
cg06050065	TRUE	1e-07	3.6e-06	AARSD1;AARSD1
cg11828621	TRUE	1e-07	3.6e-06	
cg20868518	TRUE	1e-07	3.6e-06	
cg01022117	TRUE	1e-07	3.6e-06	PKP1;PKP1
cg17216600	FALSE	1e-07	3.6e-06	TRAM2
cg00792740	FALSE	1e-07	3.6e-06	UBE3A
cg14881618	TRUE	1e-07	3.6e-06	ME3;ME3;ME3
cg05215925	TRUE	1e-07	3.6e-06	OPRM1;OPRM1;OPRM1;OPRM1;OPRM1;OPRM1;OPRM1;OPRM1;O
cg14249872	TRUE	1e-07	3.6e-06	KCNK1
cg22235417	TRUE	1e-07	3.6e-06	ZNF214;NLRP14
cg26048690	TRUE	1e-07	3.6e-06	GPHN;GPHN;GPHN;GPHN
cg18449120	TRUE	1e-07	3.6e-06	SOX11
cg24298255	TRUE	1e-07	3.6e-06	ZNF586
cg00270311	TRUE	1e-07	3.6e-06	CD2BP2;CD2BP2
cg24144083	TRUE	1e-07	3.6e-06	
cg23443041	TRUE	1e-07	3.6e-06	DNAJC3
cg22082456	TRUE	1e-07	3.6e-06	SCP2;SCP2
cg11389868	TRUE	1e-07	3.6e-06	UGT3A1

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg26370409	FALSE	1e-07	3.6e-06	NMNAT1;LZIC
cg14556189	TRUE	1e-07	3.6e-06	SMAD3
cg25157999	TRUE	1e-07	3.6e-06	B4GALNT3
cg19659210	TRUE	1e-07	3.6e-06	ASB7;LINS1;LINS1;ASB7;LINS1;LINS1
cg17114501	TRUE	1e-07	3.6e-06	
cg06706170	TRUE	1e-07	3.6e-06	
cg10366797	TRUE	1e-07	3.6e-06	HOXC4
cg21044434	TRUE	1e-07	3.6e-06	
cg20113277	TRUE	1e-07	3.6e-06	MICB;MICB
cg24765602	TRUE	1e-07	3.6e-06	HSPA2
cg02741548	TRUE	1e-07	3.6e-06	GADL1
cg09164898	TRUE	1e-07	3.6e-06	EDARADD;EDARADD
cg01484915	TRUE	1e-07	3.6e-06	RASSF4
cg14209186	TRUE	1e-07	3.6e-06	TMEM156
cg05102651	FALSE	1e-07	3.6e-06	FZD3
cg04163540	TRUE	1e-07	3.6e-06	C7orf41
cg05340658	FALSE	1e-07	3.6e-06	C4orf37
cg02355339	TRUE	1e-07	3.6e-06	GRAMD1A;GRAMD1A
cg08972588	TRUE	1e-07	3.6e-06	TNXB;TNXB
cg16689211	TRUE	1e-07	3.6e-06	SNORD114-10;SNORD114-9
cg03273952	FALSE	1e-07	3.6e-06	BSN
cg07419144	TRUE	1e-07	3.6e-06	
cg24102761	TRUE	1e-07	3.6e-06	CASP7;CASP7;CASP7;CASP7
cg04335293	TRUE	1e-07	3.6e-06	
cg11575131	TRUE	1e-07	3.6e-06	
cg05350358	TRUE	1e-07	3.6e-06	P4HA1;P4HA1;P4HA1;P4HA1;P4HA1;P4HA1;P4HA1;P4HA1
cg11970806	TRUE	1e-07	3.6e-06	VEZF1
cg17532753	TRUE	1e-07	3.6e-06	HDAC4
cg24539604	TRUE	1e-07	3.6e-06	HIBCH;HIBCH
cg15907699	FALSE	1e-07	3.7e-06	ISY1;ISY1
cg04404240	TRUE	1e-07	3.7e-06	
cg04055913	TRUE	1e-07	3.7e-06	FRMD5
cg04815334	TRUE	1e-07	3.7e-06	NADSYN1
cg24215459	TRUE	1e-07	3.7e-06	TNIP3
cg23145621	TRUE	1e-07	3.7e-06	
cg03071134	TRUE	1e-07	3.7e-06	CCL3L3;CCL3L1
cg00246386	TRUE	1e-07	3.7e-06	EBF4
cg21033514	TRUE	1e-07	3.7e-06	AGBL3;AGBL3
cg18133008	TRUE	1e-07	3.7e-06	GMCL1
cg02683759	TRUE	1e-07	3.7e-06	
cg08320164	FALSE	1e-07	3.7e-06	MAST3
cg08931196	FALSE	1e-07	3.7e-06	RNF26
cg26817127	TRUE	1e-07	3.7e-06	SLC4A1AP;SLC4A1AP;SUPT7L
cg25777549	TRUE	1e-07	3.7e-06	EBF2
cg16348242	TRUE	1e-07	3.7e-06	GHITM
cg01858923	TRUE	1e-07	3.7e-06	MAX;MAX;MAX;MAX;MAX;MAX
cg26953293	FALSE	1e-07	3.7e-06	KIAA0182;KIAA0182
cg03469086	TRUE	1e-07	3.7e-06	MAML3
cg03550219	FALSE	1e-07	3.7e-06	TOP2B
cg00031346	TRUE	1e-07	3.7e-06	FRMD1
cg08295258	TRUE	1e-07	3.7e-06	GIN1
cg22282405	TRUE	1e-07	3.7e-06	TFAP2B

CpG	caseHigherVar	p	fdr	UCSC_RefGene_Name
cg12655137	TRUE	1e-07	3.7e-06	CDK11B;CDK11B;CDK11B;CDK11B;CDK11B;LOC728661;CDK11B
cg26673903	TRUE	1e-07	3.7e-06	WNT16;WNT16
cg22215631	TRUE	1e-07	3.7e-06	
cg01869186	TRUE	1e-07	3.7e-06	EPHB4
cg00370926	FALSE	1e-07	3.7e-06	TRAPPC1;CNTROB;TRAPPC1;CNTROB;CNTROB;TRAPPC1;TRAP
cg23532924	TRUE	1e-07	3.7e-06	DDC
cg08610862	TRUE	1e-07	3.7e-06	LHX9;LHX9
cg17011709	TRUE	1e-07	3.7e-06	CYP26C1
cg12678834	TRUE	1e-07	3.7e-06	CXCR5
cg13071729	TRUE	1e-07	3.7e-06	NAV1
cg26964651	TRUE	1e-07	3.7e-06	
cg18438853	TRUE	1e-07	3.7e-06	NHLH2;NHLH2
cg05148217	FALSE	1e-07	3.7e-06	MORC1
cg26153569	TRUE	1e-07	3.7e-06	
cg20284019	TRUE	1e-07	3.7e-06	
cg10388743	TRUE	1e-07	3.7e-06	CHST3
cg05764628	TRUE	1e-07	3.7e-06	SPTBN4
cg16316058	TRUE	1e-07	3.7e-06	
cg10498052	TRUE	1e-07	3.7e-06	NCRNA00188;NCRNA00188;C17orf76;NCRNA00188;NCRNA00188;NCR
cg14286208	TRUE	1e-07	3.7e-06	KLHL33
cg13491234	TRUE	1e-07	3.7e-06	CALCA;CALCA;CALCA
cg26587051	TRUE	1e-07	3.7e-06	MEGF9
cg18217235	TRUE	1e-07	3.7e-06	
cg01047476	TRUE	1e-07	3.7e-06	PNLIPRP2
cg01081930	TRUE	1e-07	3.7e-06	TGFBR3
cg23946400	FALSE	1e-07	3.7e-06	RUNDC1;AARSD1;AARSD1;AARSD1;AARSD1
cg10362527	FALSE	1e-07	3.7e-06	GPR1;GPR1
cg02677947	TRUE	1e-07	3.7e-06	WDR24
cg02650401	TRUE	1e-07	3.7e-06	SOX2OT
cg05798608	TRUE	1e-07	3.7e-06	PPP1R12B;PPP1R12B;PPP1R12B;PPP1R12B
cg18184075	FALSE	1e-07	3.7e-06	C22orf13;SNRPD3;C22orf13
cg17522445	FALSE	1e-07	3.7e-06	
cg17750038	TRUE	1e-07	3.7e-06	FHAD1
cg07195282	TRUE	1e-07	3.7e-06	ZNF563;ZNF563
cg10683646	TRUE	1e-07	3.7e-06	BEND4;BEND4

Do any of the Bonferroni-significant CpGs from the discovery set replicate?

CpG	p.whi	p.fhs
cg01341755	0e+00	0.0056943
cg01980454	0e+00	0.0000002
cg14457452	0e+00	0.0800611
cg02268171	0e+00	0.0000000
cg09180070	0e+00	0.0231395
cg13690063	0e+00	0.0000115
cg24091104	0e+00	0.0021723
cg10201663	0e+00	0.6784775
cg04867634	0e+00	0.0088371
cg13149767	0e+00	0.2315590
cg11855156	0e+00	0.4012090
cg19908485	0e+00	0.7983286

CpG	p.whi	p.fhs
cg13453904	0e+00	0.8711387
cg10504660	0e+00	0.7649904
cg17078629	0e+00	0.0161020
cg06872964	0e+00	0.0327922
cg03544502	0e+00	0.6976469
cg23369111	0e+00	0.0037418
cg24270710	0e+00	0.4807609
cg24656005	0e+00	0.2862006
cg15681597	0e+00	0.0014349
cg13517968	0e+00	0.3367174
cg23673980	0e+00	0.0825019
cg11350586	0e+00	0.0000002
cg25817503	0e+00	0.3058768
cg01978746	0e+00	0.8858025
cg03042149	0e+00	0.7794772
cg02271943	0e+00	0.8627195
cg05696877	0e+00	0.0261336
cg00656991	0e+00	0.0164212
cg10289305	0e+00	0.0368780
cg03607951	0e+00	0.5960696
cg06901369	0e+00	0.0000002
cg14077010	0e+00	0.0379307
cg16674248	0e+00	0.3432244
cg05441651	0e+00	0.0000007
cg15939347	0e+00	0.0000261
cg08822227	0e+00	0.0000023
cg07156138	0e+00	0.0646472
cg06220235	0e+00	0.1109695
cg14193481	0e+00	0.0008995
cg09502339	0e+00	0.0953569
cg16585306	0e+00	0.0085014
cg06325209	0e+00	0.0483954
cg11404992	0e+00	0.0209477
cg09555323	0e+00	0.0000212
cg02761960	0e+00	0.1635642
cg08217239	0e+00	0.0002460
cg02999390	0e+00	0.0000105
cg16585770	0e+00	0.0059419
cg05120527	0e+00	0.1268881
cg22557711	0e+00	0.5884393
cg13813258	0e+00	0.0010298
cg09339818	0e+00	0.0053884
cg06921319	0e+00	0.1702744
cg23181138	0e+00	0.0888501
cg17656691	0e+00	0.0084894
cg12802286	0e+00	0.4362950
cg03983058	0e+00	0.0039926
cg01566169	0e+00	0.0000557
cg17775899	0e+00	0.8299349
cg19875969	0e+00	0.0207743
cg15392900	0e+00	0.0000297
cg09986651	0e+00	0.8448363

CpG	p.whi	p.fhs
cg04632671	0e+00	0.0022756
cg25354127	0e+00	0.0058838
cg25875213	0e+00	0.0000960
cg09532898	0e+00	0.1093734
cg01870903	0e+00	0.1671385
cg09246302	0e+00	0.0023850
cg18418059	0e+00	0.0993451
cg07656751	0e+00	0.0000165
cg13871187	0e+00	0.0466217
cg17497172	0e+00	0.1648427
cg13657981	0e+00	0.7389785
cg01013023	0e+00	0.0145386
cg11718501	0e+00	0.6143655
cg01413546	0e+00	0.0871303
cg00290506	0e+00	0.0000037
cg22664428	0e+00	0.0549708
cg17922326	0e+00	0.4123196
cg00134843	0e+00	0.0000001
cg18519988	0e+00	0.5275219
cg25736830	0e+00	0.3730995
cg18843595	0e+00	0.2327449
cg14575076	0e+00	0.9541152
cg15192688	0e+00	0.6062519
cg05741490	0e+00	0.9439891
cg12853521	0e+00	0.1278185
cg02287150	0e+00	0.0441410
cg13380624	0e+00	0.0175678
cg02796773	0e+00	0.4338177
cg19251514	0e+00	0.4506340
cg10318222	0e+00	0.0671307
cg02522760	0e+00	0.0000138
cg22637834	0e+00	0.0097415
cg13534536	0e+00	0.3282668
cg23237611	0e+00	0.0400797
cg02978150	0e+00	0.4718181
cg25749017	0e+00	0.7715588
cg03758477	0e+00	0.1500908
cg02749735	0e+00	0.0558210
cg07155318	0e+00	0.0061521
cg19915997	0e+00	0.1587586
cg23071997	0e+00	0.0000187
cg09662411	0e+00	0.1168870
cg14200859	0e+00	0.0061696
cg11811743	0e+00	0.4191426
cg24613479	0e+00	0.2687735
cg08011146	0e+00	0.0388413
cg24503712	0e+00	0.0000010
cg24229819	0e+00	0.0634577
cg03104561	0e+00	0.0204409
cg03750903	0e+00	0.0313584
cg23661344	0e+00	0.0000348
cg23954629	0e+00	0.0000772

CpG	p.whi	p.fhs
cg04589521	0e+00	0.7780804
cg20474370	0e+00	0.9593375
cg26312951	0e+00	0.7852519
cg26432347	0e+00	0.0777355
cg16315668	0e+00	0.3930041
cg05206633	0e+00	0.5448896
cg18448565	0e+00	0.2743967
cg11832662	0e+00	0.0044896
cg06854502	0e+00	0.0060121
cg12297440	0e+00	0.0004406
cg00183916	0e+00	0.0060952
cg14781541	0e+00	0.0000000
cg02057311	0e+00	0.2373586
cg02307664	0e+00	0.0000000
cg19693031	0e+00	0.0000052
cg21452281	0e+00	0.0631267
cg03961551	0e+00	0.0001135
cg24873171	0e+00	0.0152684
cg09343327	0e+00	0.0200934
cg25354466	0e+00	0.2692809
cg08679800	0e+00	0.0000025
cg16921014	0e+00	0.0235289
cg24599249	0e+00	0.0000014
cg19761637	0e+00	0.0270921
cg00440841	0e+00	0.0001347
cg14847628	0e+00	0.0251701
cg17504341	0e+00	0.0293590
cg16238351	0e+00	0.0085358
cg02282041	0e+00	0.3915740
cg13011713	0e+00	0.0969346
cg04297093	0e+00	0.3965554
cg01265531	0e+00	0.0000061
cg08275282	0e+00	0.2187081
cg09143012	0e+00	0.5970150
cg18317474	0e+00	0.0003143
cg23666618	0e+00	0.8938750
cg00581617	0e+00	0.2722518
cg25680628	0e+00	0.3974571
cg20686918	0e+00	0.1155848
cg14210447	0e+00	0.0004771
cg07810677	0e+00	0.0087732
cg08141806	0e+00	0.0000000
cg07803236	0e+00	0.0267157
cg26540370	0e+00	0.8212185
cg19736712	0e+00	0.0000000
cg22953687	0e+00	0.1293294
cg03719984	0e+00	0.3651574
cg24159575	0e+00	0.3886816
cg01233518	0e+00	0.8148948
cg12594716	0e+00	0.0000065
cg24769369	0e+00	0.8973981
cg25389065	0e+00	0.3348595

CpG	p.whi	p.fhs
cg11344352	0e+00	0.0000837
cg05014405	0e+00	0.0251150
cg11232245	0e+00	0.3186711
cg20160565	0e+00	0.9822415
cg19509405	0e+00	0.0596374
cg14332367	0e+00	0.0016776
cg02113429	0e+00	0.0000126
cg22892437	0e+00	0.1717451
cg07324031	0e+00	0.3459823
cg04006352	0e+00	0.2765854
cg01046593	0e+00	0.3564609
cg08979870	0e+00	0.0885037
cg07901143	0e+00	0.1792934
cg07675998	0e+00	0.0530362
cg01868838	0e+00	0.0142332
cg09597785	0e+00	0.9671577
cg10411388	0e+00	0.0002430
cg02551232	0e+00	0.0000082
cg23138119	0e+00	0.4511895
cg01755703	0e+00	0.0052651
cg04573959	0e+00	0.0462375
cg15927330	0e+00	0.0000024
cg00868875	0e+00	0.2041449
cg18622494	0e+00	0.0003922
cg21451869	0e+00	0.3720347
cg06619299	0e+00	0.9906182
cg16692668	0e+00	0.0134322
cg06544376	0e+00	0.0024240
cg03307465	0e+00	0.1298664
cg11203797	0e+00	0.5708324
cg10983199	0e+00	0.7476106
cg02148975	0e+00	0.9857118
cg00115984	0e+00	0.6872057
cg03469079	0e+00	0.0046665
cg23463533	0e+00	0.0003691
cg15309421	0e+00	0.0023443
cg19437183	0e+00	0.0656036
cg17940495	0e+00	0.8160502
cg24879939	0e+00	0.0026703
cg15800012	0e+00	0.0117759
cg01703993	0e+00	0.1144124
cg15913725	0e+00	0.0096394
cg01429360	0e+00	0.7221749
cg08750053	0e+00	0.0058880
cg23076591	0e+00	0.3073613
cg19473369	0e+00	0.0000000
cg16226627	0e+00	0.0339766
cg07742017	0e+00	0.0000016
cg06937997	0e+00	0.0668017
cg05537387	0e+00	0.0033502
cg16306898	0e+00	0.0371484
cg25116216	0e+00	0.0998609

CpG	p.whi	p.fhs
cg18717329	0e+00	0.0101095
cg18911945	0e+00	0.9062527
cg10364109	0e+00	0.9390898
cg14577174	0e+00	0.4485843
cg18196463	0e+00	0.0003724
cg04690482	0e+00	0.0269534
cg21845713	0e+00	0.3646783
cg26027442	0e+00	0.4424624
cg14238376	0e+00	0.4888454
cg10988336	0e+00	0.0000000
cg10196071	0e+00	0.7253764
cg23434943	0e+00	0.0000388
cg08105396	0e+00	0.1152973
cg15688980	0e+00	0.0321310
cg26332535	0e+00	0.2066218
cg00207534	0e+00	0.1139168
cg26816426	0e+00	0.0950463
cg19622597	0e+00	0.0123114
cg10423757	0e+00	0.9396151
cg11253042	0e+00	0.0000000
cg27538070	0e+00	0.5805235
cg00186207	0e+00	0.1330786
cg25144149	0e+00	0.9528766
cg06352072	0e+00	0.6417910
cg17965712	0e+00	0.3754265
cg08122652	0e+00	0.0001887
cg23158347	0e+00	0.2520653
cg16501033	0e+00	0.1147931
cg03472851	0e+00	0.6613487
cg14958757	0e+00	0.2624655
cg02966200	0e+00	0.0004774
cg26493059	0e+00	0.2513593
cg10737766	0e+00	0.1829452
cg01070907	0e+00	0.2376420
cg18449997	0e+00	0.0000000
cg00862116	0e+00	0.0216359
cg06149981	0e+00	0.1132207
cg16546017	0e+00	0.0917741
cg15852841	0e+00	0.6434270
cg03247128	0e+00	0.1314291
cg02472291	0e+00	0.7220919
cg08990543	0e+00	0.2118495
cg00292568	0e+00	0.1508536
cg07338782	0e+00	0.0564554
cg16244006	0e+00	0.0001880
cg09906309	1e-07	0.1211833
cg16682257	1e-07	0.0027743
cg19199677	1e-07	0.6060289
cg10332616	1e-07	0.6704353
cg12416053	1e-07	0.1627863
cg26419426	1e-07	0.7820415
cg10266068	1e-07	0.3143566



CpG	p.whi	p.fhs
cg17618528	1e-07	0.8110805
cg10160807	1e-07	0.1510932
cg19099833	1e-07	0.0000000
cg26369667	1e-07	0.0024594
cg21204870	1e-07	0.2683428
cg00245538	1e-07	0.0222504
cg00774088	1e-07	0.7619687
cg05738715	1e-07	0.9560799
cg00899976	1e-07	0.0904190
cg09920145	1e-07	0.0351828
cg13199639	1e-07	0.0272313
cg15828828	1e-07	0.0000000
cg02954015	1e-07	0.1454735
cg15565533	1e-07	0.2681324
cg07011512	1e-07	0.9170115
cg09567362	1e-07	0.1706931
cg08301525	1e-07	0.0177625
cg14940898	1e-07	0.0022689
cg25007393	1e-07	0.0049391
cg04590366	1e-07	0.1870355
cg02222454	1e-07	0.0078444
cg13688329	1e-07	0.0271972
cg01205639	1e-07	0.6121085
cg25498327	1e-07	0.0000252
cg00032192	1e-07	0.0000031
cg08024169	1e-07	0.0085321
cg25327122	1e-07	0.4824183
cg16087101	1e-07	0.4393665
cg10449866	1e-07	0.0045298
cg23403350	1e-07	0.0021610
cg25884883	1e-07	0.8158066
cg01332181	1e-07	0.0000000
cg18882912	1e-07	0.7211741
cg06553107	1e-07	0.0000006
cg23055735	1e-07	0.0029039
cg02775804	1e-07	0.6344085
cg18422172	1e-07	0.0664472
cg03112680	1e-07	0.1739279
cg10762882	1e-07	0.0000725
cg09332309	1e-07	0.0000179
cg19015711	1e-07	0.7400412
cg17876581	1e-07	0.0211398
cg08135787	1e-07	0.0009944
cg08274661	1e-07	0.0002442
cg18739391	1e-07	0.5596338
cg10659464	1e-07	0.0089884
cg26838636	1e-07	0.7616264
cg11762968	1e-07	0.1131635
cg23640411	1e-07	0.0727486
cg09453685	1e-07	0.0029295
cg15411402	1e-07	0.0000000
cg00656475	1e-07	0.7097035

CpG	p.whi	p.fhs
cg12093930	1e-07	0.0426714
cg13042926	1e-07	0.4590400
cg15864834	1e-07	0.0124349
cg04321497	1e-07	0.3276261
cg13069237	1e-07	0.0144687
cg05547221	1e-07	0.2980258
cg11358840	1e-07	0.2552983
cg13518992	1e-07	0.0000549
cg09283120	1e-07	0.0031638
cg06082920	1e-07	0.2048448
cg14201324	1e-07	0.9133820
cg12854371	1e-07	0.2789065
cg10501629	1e-07	0.7999015
cg24297049	1e-07	0.5703558
cg15474435	1e-07	0.3171336
cg14233604	1e-07	0.0022503
cg23667572	1e-07	0.7096759
cg09799983	1e-07	0.0015724
cg18358723	1e-07	0.0000139
cg10682566	1e-07	0.2788173
cg02301769	1e-07	0.0472902
cg23093664	1e-07	0.9164104
cg27099991	1e-07	0.0020027
cg18005828	1e-07	0.0000000
cg08680007	1e-07	0.1994702
cg01289140	1e-07	0.0007029
cg03687700	1e-07	0.0141359

## Interpretation

### Specific CpGs

Look at specific CpGs of interest and their biology/location

### Distribution across the genome

There were 33229 CpGs found at  $FDR < 0.1$ .

### GSEA

## Outstanding questions

- More lenience on covariate adjustment in discovery cohort?
- Important to check proportional hazards assumption for every regression? Only for replication cohort?