

cg03916421	LOC132321	4	130232911	+ -	No	130234278 130234214	-0.2388	0.001351932	0.02281186
cg11783497	IL1RN	2	113591763	+	No	113591940	-0.2387	0.00369459	0.044580827
cg01970325	NELF	9	139474062	-	No	139473607	-0.2386	0.000119557	0.005257252
cg15555014	SYNGR2	17	73675739	+	No	73676265	-0.2386	4.07E-05	0.002776377
cg00333528	GABRR1	6	89984204	-	No	89984215	-0.2385	0.003051796	0.039086008
cg19202384	PYCR1	17	77487802	-	No	77488259	-0.2383	0.000174183	0.006505308
cg01514487	MYO1A	12	55730314	-	No	55730160	-0.2381	0.000303018	0.009192932
cg09527362	C6orf150	6	74218863	-	Yes	74218764	-0.2377	2.12E-05	0.001978552
cg07360692	FLJ20032	4	106286401	+	No	106287391	-0.2376	0.001330685	0.022607127
cg08912400	CHRNA4	20	61463871	-	Yes	61463139	-0.2376	0.002537872	0.034612815
cg01426743	FAM20B	1	177260866	+	No	177261696	-0.2371	0.002545307	0.034678503
cg25076881	OR10J1	1	157676460	+	No	157676135	-0.2370	0.000109526	0.004984388
cg04112019	IGF2AS	11	2121712	NA	Yes	NA	-0.2368	0.000324326	0.009429304
cg26672426	PTGES	9	131554403	-	No	131555165	-0.2366	0.003437201	0.042461611
cg07810156	PDZK1IP1	1	47428269	-	No	47428358	-0.2366	0.000163404	0.006249841
cg12640109	ASRGL1	11	61861296	+	Yes	61861349	-0.2365	0.000385955	0.010409768
cg04612566	C8orf31	8	144192081	+	No	144192053	-0.2363	0.000157993	0.006126785
cg23067535	FAM83A	8	124264314	+	No	124263932	-0.2363	0.004021323	0.047211331
cg12515371	PPP1R16A	8	145692804	+	No	145692916	-0.2362	0.001139046	0.020196049
cg09541248	MYO1A	12	55729889	-	No	55730160	-0.2362	0.001083916	0.019596316
cg03364504	FLJ36116	1	113194699	NA	No	NA	-0.2356	0.002618488	0.035359925
cg23382741	PPP1R14D	15	38908612	-	No	38908199	-0.2354	0.001715941	0.02681323
cg25195673	GFPT1	2	69468449	-	No	69467886	-0.2339	0.000140251	0.005759195
cg25778479	ANKMY2	7	16653296	+ -	No	16652283 16651923	-0.2337	0.000411003	0.010810154
cg26365553	MADD	11	47247189	+ + +	No	47247774 47247502 47248246	-0.2336	0.000234855	0.00779496
cg15982419	RALBP1	18	9464707	+	Yes	9465529	-0.2336	1.31E-05	0.001545495
cg18345635	SLC16A3	17	77779369	+ +	Yes	77779581 77780177	-0.2335	0.000478058	0.011800419
cg15046693	CEBPG	19	38555716	+	No	38556448	-0.2334	0.000305654	0.009217637
cg18854666	SLC11A1	2	218955299	+	No	218954995	-0.2334	0.001810586	0.027770529
cg07986773	NUP50	22	43937273	+ +	No	43939215 43938389	-0.2332	0.002510636	0.034400782
cg04425624	TNF	6	31651544	+	No	31651328	-0.2331	2.71E-05	0.002285845
cg18829411	HMG1	21	39643893	-	No	39642917	-0.2331	6.67E-05	0.003713173
cg05316065	MLZE	8	130868189	-	No	130868316	-0.2331	0.000796973	0.016328166
cg08374799	ITGB7	12	51887317	-	No	51887267	-0.2330	5.12E-05	0.003133388
cg02964385	STK38	6	36623654	-	No	36623225	-0.2327	0.00037471	0.010242071
cg16777510	STAT5A	17	37693548	+	No	37693090	-0.2324	0.000948139	0.018197395
cg16173067	SDCBP2	20	1257722	-	No	1257838	-0.2321	0.002875755	0.037576348
cg25683185	ACRBP	12	6626349	-	Yes	6626841	-0.2318	0.000277134	0.008635832
cg20727362	CYB5R3	22	41375896	-	Yes	41375349	-0.2317	0.002525035	0.034508818
cg13950558	BLOC1S3	19	50375103	+ -	Yes	50373842 50373325	-0.2315	0.001091916	0.019642695
cg24833277	FAM83A	8	124263542	+	No	124263932	-0.2315	0.003268684	0.041108439
cg09947274	CAD	2	27293419	+	No	27293761	-0.2314	3.61E-05	0.002603268
cg05989054	GAMT	19	1353626	-	No	1352552	-0.2314	0.00149775	0.024533455
cg25511807	MMP7	11	101906648	-	No	101906688	-0.2314	0.001626439	0.025826063
cg23665568	BCL10	1	85517641	-	No	85516171	-0.2306	0.003308948	0.04134
cg25034557	PACS1	11	65595221	+	Yes	65594399	-0.2306	3.08E-05	0.002399494
cg23877385	GCNT3	15	57695944	+ +	No	57696040 57697729	-0.2305	0.000583501	0.013383787
cg02537838	C20orf151	20	60435990	-	No	60435984	-0.2303	0.000825203	0.016709737
cg04947157	TMC6	17	73640076	+ -	Yes	73638453 73640083	-0.2295	0.001998202	0.029682769
cg17118262	CCL1	17	29714682	-	No	29714365	-0.2292	0.00014439	0.00583012
cg02028524	ATXN3	14	91643163	-	No	91642718	-0.2292	0.00378385	0.04532655
cg09936839	SIRT6	19	4132854	+ -	No	4134350 4133596	-0.2289	0.000130328	0.0055396
cg17142470	SORBS3	8	22465629	+	Yes	22465195	-0.2288	1.53E-05	0.001658006
cg10281770	WDR45L	17	78200236	-	No	78199700	-0.2288	0.002100374	0.030718118
cg03565081	C14orf93	14	22548810	-	No	22549200	-0.2286	0.001537179	0.024900415
cg24046474	LRSAM1	9	129252371	+ + + - -	No	NA	-0.2284	1.43E-06	0.000542759
cg22054191	POU2F2	19	47329470	-	Yes	47328470	-0.2283	1.37E-05	0.001584521
cg04156850	GRB2	17	70914167	- -	No	70913384 70913385	-0.2282	2.03E-05	0.001947659
cg08804892	TRAK1	3	42176378	+	No	42176664	-0.2272	2.17E-05	0.001987009
cg12091331	PLAT	8	42184471	-	No	42184351	-0.2271	0.002653671	0.035628133
cg14417329	SLC16A3	17	77779562	+ +	Yes	77779581 77780177	-0.2270	0.000824208	0.016709737
cg01667702	TRAPP1	17	7777329	+ - -	No	7776197 7775992 7776042	-0.2270	2.28E-06	0.000728575
cg20781967	NINJ2	12	642949	-	No	643016	-0.2268	0.002554042	0.034743888
cg05859264	MAPK13	6	36205670	+	No	36206239	-0.2265	0.000173261	0.006481615
cg25956985	MAP3K7IP1	22	38125134	+	No	38125704	-0.2265	8.12E-05	0.004138218
cg09835085	KCNE4	2	223624836	+	No	223625105	-0.2262	0.000623732	0.014023901
cg20276750	PPM1M	3	52254595	+	Yes	52255264	-0.2261	4.08E-05	0.002776377
cg14290291	FLJ14346	2	130657150	+ -	No	130656172 130656164	-0.2260	0.000678717	0.014856618
cg01447817	AQP12A	2	241278924	+	No	241279934	-0.2259	3.91E-05	0.002744546
cg24965984	GPAM	10	113933713	-	Yes	113933515	-0.2259	0.003106327	0.039631106
cg12312863	AMDHD2	16	2509968	+	Yes	2510363	-0.2259	0.000196767	0.006986038
cg21742836	PPP4C	16	29993676	+	No	29994884	-0.2258	0.000552272	0.01295613
cg20793071	TMEM59	1	54293038	+ -	No	54291861 54291699	-0.2254	2.00E-06	0.000671341
cg10525372	WISP3	6	112482026	+ +	No	112481970 112482063	-0.2253	0.001092414	0.019642695
cg14117297	MGC23244	19	4252870	-	No	4253428	-0.2250	0.001834036	0.028014005
cg19717326	MYADM	19	59061828	+ +	No	59062948 59061422	-0.2248	0.001902079	0.028656695
cg10275770	ICAM2	17	59437937	-	No	59438015	-0.2247	0.00355701	0.043455247
cg11310496	PNLIPRP2	10	118370165	+	No	118370454	-0.2245	0.004064159	0.047520416
cg20925954	DUSP5	10	112246630	+	No	112247614	-0.2244	0.000205952	0.007134317
cg00615377	RBM9	22	34566595	-	No	34566576	-0.2243	8.84E-06	0.001258747
cg12438037	C9orf116	9	137533391	+ -	No	137532303 137531582	-0.2242	0.00080796	0.016512055
cg05921324	APOA4	11	116199324	-	No	116199221	-0.2241	0.001489766	0.024469862
cg26365668	MIRPS18C	4	84594997	+ -	No	84596141 84596049	-0.2240	0.001897264	0.028617574

cg25511807	MMP7	11	101906648	-	No	101906688	-0.2314	0.001626439	0.025826063
cg23665568	BCL10	1	85517641	-	No	85516171	-0.2306	0.003308948	0.04134
cg25034557	PACS1	11	65595221	+	Yes	65594399	-0.2306	3.08E-05	0.002399494
cg23877385	GCNT3	15	57695944	++ +	No	57696040 57697729	-0.2305	0.000583501	0.013383787
cg02537838	C20orf151	20	60435990	-	No	60435984	-0.2303	0.000825203	0.016709737
cg04947157	TMC6	17	73640076	++ -	Yes	73638453 73640083	-0.2295	0.001998202	0.029682769
cg17118262	CCL1	17	29714682	-	No	29714365	-0.2292	0.00014439	0.00583012
cg02028524	ATXN3	14	91643163	-	No	91642718	-0.2292	0.00378385	0.04532655
cg09936839	SIRT6	19	4132854	++ -	No	4134350 4133596	-0.2289	0.000130328	0.0055396
cg17142470	SORBS3	8	22465629	+	Yes	22465195	-0.2288	1.53E-05	0.001658006
cg10281770	WDR45L	17	78200236	-	No	78199700	-0.2288	0.002100374	0.030718118
cg03565081	C14orf93	14	22548810	-	No	22549200	-0.2286	0.001537179	0.024900415
cg24046474	LRSAM1	9	129252371	++ + + + - -	No	NA	-0.2284	1.43E-06	0.000542759
cg22054191	POU2F2	19	47329470	-	Yes	47328470	-0.2283	1.37E-05	0.001584521
cg04156850	GRB2	17	70914167	- -	No	70913384 70913385	-0.2282	2.03E-05	0.001947659
cg08804892	TRAK1	3	42176378	+	No	42176664	-0.2272	2.17E-05	0.001987009
cg12091331	PLAT	8	42184471	-	No	42184351	-0.2271	0.002653671	0.035628133
cg14417329	SLC16A3	17	77779562	++ +	Yes	77779581 77780177	-0.2270	0.000824208	0.016709737
cg01667702	TRAPPC1	17	7777329	++ - -	No	7776197 7775992 7776042	-0.2270	2.28E-06	0.000728575
cg20781967	NINJ2	12	642949	-	No	643016	-0.2268	0.002554042	0.034743888
cg05859264	MAPK13	6	36205670	+	No	36206239	-0.2265	0.000173261	0.006481615
cg25956985	MAP3K7IP1	22	38125134	+	No	38125704	-0.2265	8.12E-05	0.004138218
cg09835085	KCNE4	2	223624836	+	No	223625105	-0.2262	0.000623732	0.014023901
cg20276750	PPM1M	3	52254595	+	Yes	52255264	-0.2261	4.08E-05	0.002776377
cg14290291	FLJ14346	2	130657150	++ -	No	130656172 130656164	-0.2260	0.000678717	0.014856618
cg01447817	AQP12A	2	241278924	+	No	241279934	-0.2259	3.91E-05	0.002744546
cg24965984	GPAM	10	113933713	-	Yes	113933515	-0.2259	0.003106327	0.039631106
cg12312863	AMDHD2	16	2509968	+	Yes	2510363	-0.2259	0.000196767	0.006986038
cg21742836	PPP4C	16	29993676	+	No	29994884	-0.2258	0.000552272	0.01295613
cg20793071	TMEM59	1	54293038	++ -	No	54291861 54291699	-0.2254	2.00E-06	0.000671341
cg10525372	WISP3	6	112482026	++ +	No	112481970 112482063	-0.2253	0.001092414	0.019642695
cg14117297	MGC23244	19	4252870	-	No	4253428	-0.2250	0.001834036	0.028014005
cg19717326	MYADM	19	59061828	++ +	No	59062948 59061422	-0.2248	0.001902079	0.028656695
cg10275770	ICAM2	17	59437937	-	No	59438015	-0.2247	0.00355701	0.043455247
cg11310496	PNLIPRP2	10	118370165	+	No	118370454	-0.2245	0.004064159	0.047520416
cg20925954	DUSP5	10	112246630	+	No	112247614	-0.2244	0.000205952	0.007134317
cg00615377	RBM9	22	34566595	-	No	34566576	-0.2243	8.84E-06	0.001258747
cg12438037	C9orf116	9	137533391	++ -	No	137532303 137531582	-0.2242	0.00080796	0.016512055
cg05921324	APOA4	11	116199324	-	No	116199221	-0.2241	0.001489766	0.024469862
cg26365668	MRPS18C	4	84594997	++ -	No	84596141 84596049	-0.2240	0.001897264	0.028617574
cg26381783	ANKRD15	9	495235	+	Yes	494702	-0.2236	6.76E-05	0.003737355
cg15700197	OR10J1	1	157675831	+	No	157676135	-0.2235	3.37E-05	0.002505185
cg09039163	LOC339768	2	238673775	+	Yes	238673689	-0.2235	0.000254372	0.008156535
cg06942110	INT1	7	1511911	-	No	1510544	-0.2235	0.001611325	0.025644009
cg00420929	PGPEP1	19	18312112	+	No	18312407	-0.2233	0.000335923	0.009626134
cg23504246	FGF7	15	47502634	+	No	47502666	-0.2230	0.000192904	0.00695136
cg24652919	WDR58	16	3013192	++ -	No	3014032 3014288	-0.2230	0.000420683	0.010974324
cg24625388	NEBL	10	21503864	-	Yes	21503122	-0.2229	4.85E-05	0.003023481
cg19176447	AKAP2	9	111851115	+	No	111850796	-0.2226	0.000981526	0.018476684
cg12629515	HIST1H2BO	6	27967790	++ - -	No	27969181 27968942 27966549	-0.2224	0.000848548	0.016987642
cg04739570	PODXL2	3	128831301	+	Yes	128830728	-0.2222	0.000493924	0.012035013
cg24776407	MYEOV	11	68818210	+	No	68818197	-0.2221	0.002224209	0.03173629
cg10876928	SDC4	20	43410887	-	No	43410478	-0.2221	0.000208777	0.007162767
cg15979932	CUEDC1	17	53335106	-	No	53335749	-0.2220	0.000644733	0.01437408
cg27478659	KRT16	17	37022538	-	No	37022605	-0.2219	6.11E-05	0.003503293
cg03375002	LAT2	7	73261812	+	No	73262022	-0.2218	4.86E-05	0.00302397
cg15983538	SEMA4A	1	154390035	+	No	154390011	-0.2216	0.001337175	0.022702837
cg06855803	ICAM3	19	10311364	-	No	10311345	-0.2212	0.000728934	0.015432175
cg01148741	DUSP2	2	96175180	-	Yes	96174906	-0.2211	0.000184768	0.006749374
cg03421300	SFN	1	27062374	+	Yes	27062219	-0.2210	0.001721466	0.026852023
cg19562969	C20orf24	20	34666996	++ +	No	34667580 34667605	-0.2210	0.001656877	0.026152597
cg25041439	HYLS1	11	125258320	+	No	125258718	-0.2208	8.14E-05	0.004138218
cg18943195	RAB11FIP5	2	73192736	-	Yes	73193654	-0.2206	0.000161934	0.006237769
cg25370441	FLJ20184	4	106692682	+	No	106693225	-0.2206	0.000418352	0.010949083
cg10106388	CD244	1	159099286	-	No	159099316	-0.2205	0.000999003	0.018686157
cg26238727	UGT1A10	2	234209849	+	No	234209861	-0.2203	0.000410989	0.010810154
cg20870362	CCIN	9	36159175	+	No	36159388	-0.2201	0.001035165	0.019039845
cg11009736	MARCO	2	119416152	+	No	119416214	-0.2201	0.001931179	0.028930541
cg14409083	EMP1	12	13240991	+	No	13240868	-0.2200	0.000737217	0.015521398
cg08157292	PPP1R7	2	241739293	++ -	No	241738574 241737551	-0.2199	9.89E-05	0.004676728
cg20811607	SMPD2	6	109867524	++ -	No	109868623 109868540	-0.2192	0.004334509	0.049591282
cg23713520	TM4SF11	16	55875588	-	Yes	55876072	-0.2191	0.000111283	0.005018374
cg16512727	C12orf4	12	4519397	++ -	No	4518210 4517898	-0.2190	0.001730415	0.026920703
cg01762581	DKK4	8	42353771	-	No	42353831	-0.2189	0.001372336	0.022975781
cg05670596	CCRL2	3	46423500	++ +	No	46423724 46424052	-0.2188	1.81E-05	0.001847492
cg22956483	IGF2	11	2111008	-	Yes	2112015	-0.2186	0.003008002	0.038749975
cg27485921	ATP6V1E2	2	46600882	-	No	46600600	-0.2186	0.000521714	0.01248240

cg00615377	RBIM9	22	34566595	-	No	34566576	-0.2243	8.84E-06	0.001258747
cg12438037	C9orf116	9	137533391	+ -	No	137532303 137531582	-0.2242	0.00080796	0.016512055
cg05921324	APOA4	11	116199324	-	No	116199221	-0.2241	0.001489766	0.024469862
cg26365668	MRPS18C	4	84594997	+ -	No	84596141 84596049	-0.2240	0.001897264	0.028617574
cg26381783	ANKRD15	9	495235	+	Yes	494702	-0.2236	6.76E-05	0.003737355
cg15700197	OR10J1	1	157675831	+	No	157676135	-0.2235	3.37E-05	0.002505185
cg09039163	LOC339768	2	238673775	+	Yes	238673689	-0.2235	0.000254372	0.008156535
cg06942110	INT1	7	1511911	-	No	1510544	-0.2235	0.001611325	0.025644009
cg00420929	PGPEP1	19	18312112	+	No	18312407	-0.2233	0.000335923	0.009626134
cg23504246	FGF7	15	47502634	+	No	47502666	-0.2230	0.000192904	0.00695136
cg24652919	WDR58	16	3013192	+ -	No	3014032 3014288	-0.2230	0.000420683	0.010974324
cg24625388	NEBL	10	21503864	-	Yes	21503122	-0.2229	4.85E-05	0.003023481
cg19176447	AKAP2	9	111851115	+	No	111850796	-0.2226	0.000981526	0.018476684
cg12629515	HIST1H2BO	6	27967790	+ - -	No	27969181 27968942 27966549	-0.2224	0.000848548	0.016987642
cg04739570	PODXL2	3	128831301	+	Yes	128830728	-0.2222	0.000493924	0.012035013
cg24776407	MYEOV	11	68818210	+	No	68818197	-0.2221	0.002224209	0.03173629
cg10876928	SDC4	20	43410887	-	No	43410478	-0.2221	0.000208777	0.007162767
cg15979932	CUEDC1	17	53335106	-	No	53335749	-0.2220	0.000644733	0.01437408
cg27478659	KRT16	17	37022538	-	No	37022605	-0.2219	6.11E-05	0.003503293
cg03375002	LAT2	7	73261812	+	No	73262022	-0.2218	4.86E-05	0.00302397
cg15983538	SEMA4A	1	154390035	+	No	154390011	-0.2216	0.001337175	0.022702837
cg06855803	ICAM3	19	10311364	-	No	10311345	-0.2212	0.000728934	0.015432175
cg01148741	DUSP2	2	96175180	-	Yes	96174906	-0.2211	0.000184768	0.006749374
cg03421300	SFN	1	27062374	+	Yes	27062219	-0.2210	0.001721466	0.026852023
cg19562969	C20orf24	20	34666996	+ +	No	34667580 34667605	-0.2210	0.001656877	0.026152597
cg25041439	HYLS1	11	125258320	+	No	125258718	-0.2208	8.14E-05	0.004138218
cg18943195	RAB11FIP5	2	73192736	-	Yes	73193654	-0.2206	0.000161934	0.006237769
cg25370441	FLJ20184	4	106692682	+	No	106693225	-0.2206	0.000418352	0.010949083
cg10106388	CD244	1	159099286	-	No	159099316	-0.2205	0.000999003	0.018686157
cg26238727	UGT1A10	2	234209849	+	No	234209861	-0.2203	0.000410989	0.010810154
cg20870362	CCIN	9	36159175	+	No	36159388	-0.2201	0.001035165	0.019039845
cg11009736	MARCO	2	119416152	+	No	119416214	-0.2201	0.001931179	0.028930541
cg14409083	EMP1	12	13240991	+	No	13240868	-0.2200	0.000737217	0.015521398
cg08157292	PPP1R7	2	241739293	+ -	No	241738574 241737551	-0.2199	9.89E-05	0.004676728
cg20811607	SMPD2	6	109867524	+ -	No	109868623 109868540	-0.2192	0.004334509	0.049591282
cg23713520	TM4SF11	16	55875588	-	Yes	55876072	-0.2191	0.000111283	0.005018374
cg16512727	C12orf4	12	4519397	+ -	No	4518210 4517898	-0.2190	0.001730415	0.026920703
cg01762581	DKK4	8	42353771	-	No	42353831	-0.2189	0.001372336	0.022975781
cg05670596	CCRL2	3	46423500	+ +	No	46423724 46424052	-0.2188	1.81E-05	0.001847492
cg22956483	IGF2	11	2111008	-	Yes	2112015	-0.2186	0.003008002	0.038749975
cg27485921	ATP6V1E2	2	46600883	-	No	46600600	-0.2186	0.000521714	0.01248249
cg00308665	HTR2A	13	46367655	-	No	46369170	-0.2183	0.000568166	0.013192223
cg25856811	SPRR3	1	151240581	+	No	151240846	-0.2182	0.000290112	0.008924398
cg21615663	MGC35048	16	19635412	+ -	No	19635278 19636993	-0.2180	0.001091023	0.019642695
cg26482939	GNA15	19	3087710	+	No	3087190	-0.2176	0.000694818	0.014998331
cg00756887	PVRL4	1	159326278	-	No	159326009	-0.2171	0.000199181	0.007024653
cg09025324	SART2	6	116798378	+	Yes	116798802	-0.2170	0.003880638	0.046132221
cg16465939	KCNQ1	11	2510986	NA	Yes	NA	-0.2166	0.002517482	0.034441134
cg06154597	MGC4618	4	914812	+ -	No	916261 916174	-0.2163	0.000539261	0.012752562
cg08723608	FLJ37538	7	99918442	+	No	99919485	-0.2157	0.000517603	0.012417785
cg13015534	ST6GALNAC1	17	72151388	-	No	72151489	-0.2157	0.000137958	0.005721736
cg08558340	ARS2	7	100310199	+	Yes	100310636	-0.2156	0.001592955	0.025446928
cg02910574	PCOLN3	16	88252902	+ -	No	88251710 88251630	-0.2155	0.001689885	0.026531289
cg24070292	TPM2	9	35679808	- -	Yes	35680053 35680054	-0.2155	0.000132486	0.005596537
cg08300860	LDB3	10	88418237	+ +	No	88418405 88418300	-0.2154	8.04E-05	0.004110658
cg12493906	MMP26	11	4965887	+	No	4965999	-0.2153	0.002450471	0.033757039
cg22506059	CARD10	22	36246103	-	No	36245156	-0.2152	0.003165421	0.040199406
cg12585943	PPT2	6	32229346	+ + -	No	32229599 32229278 32227698	-0.2150	0.002699704	0.035942809
cg11695358	MAPK15	8	144869951	+	No	144870494	-0.2146	0.000496107	0.012061437
cg10318258	RIPK3	14	23879599	-	No	23879082	-0.2143	0.001218449	0.021261282
cg20822579	RIPK3	14	23878913	-	Yes	23879082	-0.2141	0.003485486	0.042798596
cg26240939	LOC57149	16	20820915	+ + -	No	20819057 20819575 20819062	-0.2139	0.000238721	0.007867573
cg15361750	GPR77	19	52530972	+	No	52532210	-0.2138	0.000449196	0.011417854
cg11879188	ABO	9	135139729	-	Yes	135140451	-0.2137	0.000399893	0.010623439
cg08074477	TNS4	17	35911475	-	No	35911380	-0.2133	0.000784586	0.016170204
cg17860158	CNTN2	1	203279192	+	No	203278962	-0.2130	0.00296264	0.038370893
cg14859417	PTPRE	10	129594939	+	No	129595314	-0.2129	0.000142923	0.005815446
cg07412254	FLJ14816	2	120940004	-	No	120940395	-0.2126	0.001888847	0.028592939
cg20513206	FLJ36888	19	45547342	+ -	No	45546171 45546133	-0.2123	0.000636271	0.014233331
cg11136562	CENTD3	5	141041469	-	No	141041984	-0.2120	0.000322588	0.009429304
cg20804821	GPR62	3	51963494	+	No	51964369	-0.2117	0.000267065	0.008400799

cg14409083	EMP1	12	13240991	+	No	13240868	-0.2200	0.000737217	0.015521398
cg08157292	PPP1R7	2	241739293	+ -	No	241738574 241737551	-0.2199	9.89E-05	0.004676728
cg20811607	SMPD2	6	109867524	+ -	No	109868623 109868540	-0.2192	0.004334509	0.049591282
cg23713520	TM4SF11	16	55875588	-	Yes	55876072	-0.2191	0.000111283	0.005018374
cg16512727	C12orf4	12	4519397	+ -	No	4518210 4517898	-0.2190	0.001730415	0.026920703
cg01762581	DKK4	8	42353771	-	No	42353831	-0.2189	0.001372336	0.022975781
cg05670596	CCRL2	3	46423500	+ +	No	46423724 46424052	-0.2188	1.81E-05	0.001847492
cg22956483	IGF2	11	2111008	-	Yes	2112015	-0.2186	0.003008002	0.038749975
cg27485921	ATP6V1E2	2	46600883	-	No	46600600	-0.2186	0.000521714	0.01248249
cg00308665	HTR2A	13	46367655	-	No	46369170	-0.2183	0.000568166	0.013192223
cg25856811	SPRR3	1	151240581	+	No	151240846	-0.2182	0.000290112	0.008924398
cg21615663	MGC35048	16	19635412	+ -	No	19635278 19636993	-0.2180	0.001091023	0.019642695
cg26482939	GNA15	19	3087710	+	No	3087190	-0.2176	0.000694818	0.014998331
cg00756887	PVRL4	1	159326278	-	No	159326009	-0.2171	0.000199181	0.007024653
cg09025324	SART2	6	116798378	+	Yes	116798802	-0.2170	0.003880638	0.046132221
cg16465939	KCNQ1	11	2510986	NA	Yes	NA	-0.2166	0.002517482	0.034441134
cg06154597	MGC4618	4	914812	+ -	No	916261 916174	-0.2163	0.000539261	0.012752562
cg08723608	FLJ37538	7	99918442	+	No	99919485	-0.2157	0.000517603	0.012417785
cg13015534	ST6GALNAC1	17	72151388	-	No	72151489	-0.2157	0.000137958	0.005721736
cg08558340	ARS2	7	100310199	+	Yes	100310636	-0.2156	0.001592955	0.025446928
cg02910574	PCOLN3	16	88252902	+ -	No	88251710 88251630	-0.2155	0.001689885	0.026531289
cg24070292	TPM2	9	35679808	- -	Yes	35680053 35680054	-0.2155	0.000132486	0.005596537
cg08300860	LDB3	10	88418237	+ +	No	88418405 88418300	-0.2154	8.04E-05	0.004110658
cg12493906	MMP26	11	4965887	+	No	4965999	-0.2153	0.002450471	0.033757039
cg22506059	CARD10	22	36246103	-	No	36245156	-0.2152	0.003165421	0.040199406
cg12585943	PPT2	6	32229346	+ + -	No	32229599 32229278 32227698	-0.2150	0.002699704	0.035942809
cg11695358	MAPK15	8	144869951	+	No	144870494	-0.2146	0.000496107	0.012061437
cg10318258	RIPK3	14	23879599	-	No	23879082	-0.2143	0.001218449	0.021261282
cg20822579	RIPK3	14	23878913	-	Yes	23879082	-0.2141	0.003485486	0.042798596
cg26240939	LOC57149	16	20820915	+ + -	No	20819057 20819575 20819062	-0.2139	0.000238721	0.007867573
cg15361750	GPR77	19	52530972	+	No	52532210	-0.2138	0.000449196	0.011417854
cg11879188	ABO	9	135139729	-	Yes	135140451	-0.2137	0.000399893	0.010623439
cg08074477	TNS4	17	35911475	-	No	35911380	-0.2133	0.000784586	0.016170204
cg17860158	CNTN2	1	203279192	+	No	203278962	-0.2130	0.00296264	0.038370893
cg14859417	PTPRE	10	129594939	+	No	129595314	-0.2129	0.000142923	0.005815446
cg07412254	FLJ14816	2	120940004	-	No	120940395	-0.2126	0.001888847	0.028592939
cg20513206	FLJ36888	19	45547342	+ -	No	45546171 45546133	-0.2123	0.000636271	0.014233331
cg11136562	CENTD3	5	141041469	-	No	141041984	-0.2120	0.000322588	0.009429304
cg20804821	GPR62	3	51963494	+	No	51964369	-0.2117	0.000267065	0.008400799
cg09204187	FLJ14346	2	130657138	+ -	No	130656172 130656164	-0.2115	0.000431965	0.011129398
cg15302379	KAZALD1	10	102811838	+	Yes	102810988	-0.2113	0.000612598	0.013820504
cg10791260	TNFSF15	9	116608409	-	No	116608229	-0.2111	7.25E-05	0.0038497
cg05245515	SLC39A2	14	20537113	+	No	20537258	-0.2111	0.002809901	0.036884621
cg26215727	SCNN1A	12	6355798	- - -	No	6354651 6355166 6356784	-0.2110	0.000298937	0.009111201
cg15869022	GPR17	2	128120956	+ -	No	128119908 128122223	-0.2110	0.000730002	0.015432175
cg10368842	C10orf81	10	115501494	+	No	115501202	-0.2107	0.000680727	0.014888314
cg19712821	KSP37	4	15574114	-	No	15573957	-0.2106	0.000797729	0.016328166
cg14920334	GALNT8	12	4700088	+	No	4700012	-0.2105	0.00017183	0.006457111
cg26151675	CNR2	1	24112656	-	No	24112404	-0.2105	3.05E-05	0.002394665
cg16474696	MGC3207	19	13736014	+	Yes	13736336	-0.2104	0.001585749	0.025427136
cg12137206	GPAM	10	113933387	-	Yes	113933515	-0.2103	0.001090585	0.019642695
cg14377791	LOC400696	19	44861752	+	No	44861853	-0.2103	0.00014228	0.005813437
cg26143719	C1QTNF6	22	35914173	-	No	35914276	-0.2100	0.00067405	0.014814513
cg03019000	TEX264	3	51679391	+	No	51680261	-0.2099	0.002683789	0.035864196
cg13745870	SPATA12	3	57069803	+	No	57069508	-0.2098	0.000705019	0.015144472
cg11037787	PLA2G2A	1	20179589	- -	No	20178739 20179519	-0.2096	0.002179935	0.031347881
cg15526708	TGFBR1	9	100906254	+	No	100907232	-0.2095	9.72E-05	0.004644626
cg20017995	SURF5	9	135205897	+ + +	No	NA	-0.2091	8.52E-05	0.004237999
cg03262773	RAD54L	1	46485200	+	No	46485953	-0.2090	0.000492723	0.012016807
cg01906055	BRRN1	2	96364538	+	No	96365210	-0.2088	2.13E-05	0.001978552
cg10708675	NQO1	16	68318259	-	No	68318034	-0.2087	4.68E-05	0.002946997
cg20131596	PAM	5	102229027	+	No	102229425	-0.2087	0.004035828	0.047317828
cg09155025	SLC39A4	8	145612832	- -	Yes	145612725 145613081	-0.2087	0.000292751	0.008966918
cg04237003	C11orf9	11	61278578	+ +	No	61276696 61279436	-0.2087	0.003837673	0.045785855
cg07441143	SLURP1	8	143821003	-	No	143820831	-0.2085	0.001132792	0.020140029
cg26799474	CASPR	2	201807196	+	No	201806410	-0.2085	0.000355459	0.009970585

cg10318258	RIPK3	14	23879599	-	No	23879082	-0.2143	0.001218449	0.021261282
cg20822579	RIPK3	14	23878913	-	Yes	23879082	-0.2141	0.003485486	0.042798596
cg26240939	LOC57149	16	20820915	+ + -	No	20819057 20819575 20819062	-0.2139	0.000238721	0.007867573
cg15361750	GPR77	19	52530972	+	No	52532210	-0.2138	0.000449196	0.011417854
cg11879188	ABO	9	135139729	-	Yes	135140451	-0.2137	0.000399893	0.010623439
cg08074477	TNS4	17	35911475	-	No	35911380	-0.2133	0.000784586	0.016170204
cg17860158	CNTN2	1	203279192	+	No	203278962	-0.2130	0.00296264	0.038370893
cg14859417	PTPRE	10	129594939	+	No	129595314	-0.2129	0.000142923	0.005815446
cg07412254	FLJ14816	2	120940004	-	No	120940395	-0.2126	0.001888847	0.028592939
cg20513206	FLJ36888	19	45547342	+ -	No	45546171 45546133	-0.2123	0.000636271	0.014233331
cg11136562	CENTD3	5	141041469	-	No	141041984	-0.2120	0.000322588	0.009429304
cg20804821	GPR62	3	51963494	+	No	51964369	-0.2117	0.000267065	0.008400799
cg09204187	FLJ14346	2	130657138	+ -	No	130656172 130656164	-0.2115	0.000431965	0.011129398
cg15302379	KAZALD1	10	102811838	+	Yes	102810988	-0.2113	0.000612598	0.013820504
cg10791260	TNFSF15	9	116608409	-	No	116608229	-0.2111	7.25E-05	0.0038497
cg05245515	SLC39A2	14	20537113	+	No	20537258	-0.2111	0.002809901	0.036884621
cg26215727	SCNN1A	12	6355798	- - -	No	6354651 6355166 6356784	-0.2110	0.000298937	0.009111201
cg15869022	GPR17	2	128120956	+ -	No	128119908 128122223	-0.2110	0.000730002	0.015432175
cg10368842	C1orf81	10	115501494	+	No	115501202	-0.2107	0.000680727	0.014888314
cg19712821	KSP37	4	15574114	-	No	15573957	-0.2106	0.000797729	0.016328166
cg14920334	GALNT8	12	4700088	+	No	4700012	-0.2105	0.00017183	0.006457111
cg26151675	CNR2	1	24112656	-	No	24112404	-0.2105	3.05E-05	0.002394665
cg16474696	MGC3207	19	13736014	+	Yes	13736336	-0.2104	0.001585749	0.025427136
cg12137206	GPAM	10	113933387	-	Yes	113933515	-0.2103	0.001090585	0.019642695
cg14377791	LOC400696	19	44861752	+	No	44861853	-0.2103	0.00014228	0.005813437
cg26143719	C1QTNF6	22	35914173	-	No	35914276	-0.2100	0.00067405	0.014814513
cg03019000	TEX264	3	51679391	+	No	51680261	-0.2099	0.002683789	0.035864196
cg13745870	SPATA12	3	57069803	+	No	57069508	-0.2098	0.000705019	0.015144472
cg11037787	PLA2G2A	1	20179589	- -	No	20178739 20179519	-0.2096	0.002179935	0.031347881
cg15526708	TGFBR1	9	100906254	+	No	100907232	-0.2095	9.72E-05	0.004644626
cg20017995	SURF5	9	135205897	+ + + +	No	NA	-0.2091	8.52E-05	0.004237999
cg03262773	RAD54L	1	46485200	+	No	46485953	-0.2090	0.000492723	0.012016807
cg01906055	BRRN1	2	96364538	+	No	96365210	-0.2088	2.13E-05	0.001978552
cg10708675	NQO1	16	68318259	-	No	68318034	-0.2087	4.68E-05	0.002946997
cg20131596	PAM	5	102229027	+	No	102229425	-0.2087	0.004035828	0.047317828
cg09155025	SLC39A4	8	145612832	- -	Yes	145612725 145613081	-0.2087	0.000292751	0.008966918
cg04237003	C1orf9	11	61278578	+ +	No	61276696 61279436	-0.2087	0.003837673	0.045785855
cg07441143	SLURP1	8	143821003	-	No	143820831	-0.2085	0.001132792	0.020140029
cg26799474	CASP8	2	201807196	+	No	201806410	-0.2085	0.000355459	0.009970585
cg11808874	FLJ14668	2	70382998	-	No	70382724	-0.2084	0.002806083	0.036866032
cg11261264	PTPRH	19	60412549	-	No	60412686	-0.2084	0.002107021	0.030740957
cg06415153	PITPNM2	12	122085429	NA	No	NA	-0.2081	0.002171793	0.031330119
cg21614638	DAPP1	4	100956844	+	No	100957003	-0.2079	0.002360894	0.032962387
cg26589285	IL29	19	44478851	+	No	44478804	-0.2079	0.001890578	0.028597291
cg08130265	C15orf5	15	75306225	-	No	75304801	-0.2075	0.001761688	0.027207035
cg07955887	KIAA0802	18	8707926	+	No	8707368	-0.2071	0.003677773	0.044458924
cg03406535	RBP7	1	9979544	+	No	9979841	-0.2071	4.26E-06	0.000964659
cg24272559	LOC116123	1	164839340	+	No	164839776	-0.2068	0.001052229	0.019233496
cg08510456	BSN	3	49566012	+	No	49566925	-0.2067	0.000389172	0.010443373
cg20340242	IL1R2	2	101974781	+	No	101974737	-0.2067	0.000636064	0.014233331
cg13547237	Bles03	11	65444453	+ -	No	65443303 65443107	-0.2066	0.000403841	0.010696139
cg16052901	VPS52	6	33348842	+ -	No	33347829 33347640	-0.2061	0.000147362	0.005913144
cg06305609	BCNP1	19	17495172	+	No	17495109	-0.2061	0.000797353	0.016328166
cg03101664	SNX15	11	64551186	+	No	64551485	-0.2053	0.000144118	0.00583012
cg27412093	CAPN9	1	228949010	+ +	No	228949752 228949783	-0.2053	0.001586919	0.025427136
cg00208830	LAMC2	1	181421401	+	No	181421796	-0.2053	0.00106968	0.019431792
cg26147480	KIAA0157	10	126480089	+	Yes	126480343	-0.2050	0.003702508	0.044635696
cg12391048	PRSS27	16	2710337	-	Yes	2710553	-0.2049	0.002352536	0.032962387
cg14296374	HSBP1	16	82398640	+	No	82399093	-0.2047	0.002464057	0.033902871
cg03085312	RARA	17	35718807	+	No	35718971	-0.2047	0.000225648	0.007574811
cg26185508	CDCP2	1	54392033	-	No	54392031	-0.2045	0.000391331	0.010458918
cg00035347	NT5C2	10	104943598	-	No	104943046	-0.2045	4.15E-05	0.002776377
cg14093936	SEMA7A	15	72513667	- -	Yes	72513352 72513054	-0.2044	0.003450821	0.042530689
cg03972838	FLJ20232	22	38227526	+	No	38228229	-0.2043	0.001264863	0.021739883
cg10358212	ASCIZ	16	79626506	+	No	79626958	-0.2040	0.001999339	0.029683011
cg24127874	HES6	2	238814598	-	Yes	238813420	-0.2040	0.002297143	0.032439069
cg15140098	SUJ1281	19	52746829	+	No	52747240	-0.2040	0.000785301	0.016170204

cg01906055	BRRN1	2	96364538	+	No	96365210	-0.2088	2.13E-05	0.001978552
cg10708675	NQO1	16	68318259	-	No	68318034	-0.2087	4.68E-05	0.002946997
cg20131596	PAM	5	102229027	+	No	102229425	-0.2087	0.004035828	0.047317828
cg09155025	SLC39A4	8	145612832	- -	Yes	145612725 145613081	-0.2087	0.000292751	0.008966918
cg04237003	C11orf9	11	61278578	+ +	No	61276696 61279436	-0.2087	0.003837673	0.045785855
cg07441143	SLURP1	8	143821003	-	No	143820831	-0.2085	0.001132792	0.020140029
cg26799474	CASP8	2	201807196	+	No	201806410	-0.2085	0.000355459	0.009970585
cg11808874	FLJ14668	2	70382998	-	No	70382724	-0.2084	0.002806083	0.036866032
cg11261264	PTPRH	19	60412549	-	No	60412686	-0.2084	0.002107021	0.030740957
cg06415153	PITPNM2	12	122085429	NA	No	NA	-0.2081	0.002171793	0.031330119
cg21614638	DAPP1	4	100956844	+	No	100957003	-0.2079	0.002360894	0.032962387
cg26589285	IL29	19	44478851	+	No	44478804	-0.2079	0.001890578	0.028597291
cg08130265	C15orf5	15	75306225	-	No	75304801	-0.2075	0.001761688	0.027207035
cg07955887	KIAA0802	18	8707926	+	No	8707368	-0.2071	0.003677773	0.044458924
cg03406535	RBP7	1	9979544	+	No	9979841	-0.2071	4.26E-06	0.000964659
cg24272559	LOC116123	1	164839340	+	No	164839776	-0.2068	0.001052229	0.019233496
cg08510456	BSN	3	49566012	+	No	49566925	-0.2067	0.000389172	0.010443373
cg20340242	IL1R2	2	101974781	+	No	101974737	-0.2067	0.000636064	0.014233331
cg13547237	Bles03	11	65444453	+ -	No	65443303 65443107	-0.2066	0.000403841	0.010696139
cg16052901	VPS52	6	33348842	+ -	No	33347829 33347640	-0.2061	0.000147362	0.005913144
cg06305609	BCNP1	19	17495172	+	No	17495109	-0.2061	0.000797353	0.016328166
cg03101664	SNX15	11	64551186	+	No	64551485	-0.2053	0.000144118	0.00583012
cg27412093	CAPN9	1	228949010	+ +	No	228949752 228949783	-0.2053	0.001586919	0.025427136
cg00208830	LAMC2	1	181421401	+	No	181421796	-0.2053	0.00106968	0.019431792
cg26147480	KIAA0157	10	126480089	+	Yes	126480343	-0.2050	0.003702508	0.044635696
cg12391048	PRSS27	16	2710337	-	Yes	2710553	-0.2049	0.002352536	0.032962387
cg14296374	HSBP1	16	82398640	+	No	82399093	-0.2047	0.002464057	0.033902871
cg03085312	RARA	17	35718807	+	No	35718971	-0.2047	0.000225648	0.007574811
cg26185508	CDCP2	1	54392033	-	No	54392031	-0.2045	0.000391331	0.010458918
cg00035347	NT5C2	10	104943598	-	No	104943046	-0.2045	4.15E-05	0.002776377
cg14093936	SEMA7A	15	72513667	- -	Yes	72513352 72513054	-0.2044	0.003450821	0.042530689
cg03972838	FLJ20232	22	38227526	+	No	38228229	-0.2043	0.001264863	0.021739883
cg10358212	ASCIZ	16	79626506	+	No	79626958	-0.2040	0.001999339	0.029683011
cg24127874	HES6	2	238814598	-	Yes	238813420	-0.2040	0.002297143	0.032439069
cg15149098	SULT2B1	19	53746839	+	No	53747240	-0.2040	0.000785301	0.016170204
cg04881903	CAPG	2	85490627	-	No	85491187	-0.2035	0.003675541	0.044452228
cg04001668	GPR56	16	56211848	+	No	56211410	-0.2034	0.001517972	0.024731612
cg23968383	ZNF572	8	126054108	+	No	126054719	-0.2034	0.003741207	0.044958987
cg20780953	RAB3D	19	11311511	-	Yes	11311321	-0.2034	2.86E-05	0.00228612
cg21960110	HBZ	16	142482	+	No	142853	-0.2033	0.003941725	0.046572235
cg19180828	FLJ46380	1	6187807	+	No	6188775	-0.2030	2.76E-05	0.002286044
cg19025034	FUT2	19	53890712	+	No	53891039	-0.2028	0.000840111	0.016908201
cg13424229	CPA3	3	150064527	+	No	150065732	-0.2027	0.001909767	0.02873983
cg22775000	TMEFF1	9	102275002	+	Yes	102275537	-0.2027	0.000250067	0.008106826
cg08397758	C10orf33	10	100164843	-	No	100164968	-0.2027	7.02E-08	0.000298977
cg03264209	CREBBP	16	3871886	-	No	3870122	-0.2024	0.000610709	0.013789637
cg23366752	DNAJA4	15	76343557	+ +	Yes	76343541 76344043	-0.2024	0.000134071	0.005636528
cg02397720	RAB17	2	238177146	NA	No	NA	-0.2023	0.000842549	0.016914842
cg05664072	PER2	2	238863033	-	No	238861946	-0.2022	0.000387661	0.01041488
cg05125838	UCN2	3	48576589	-	No	48576205	-0.2018	0.001135842	0.020163484
cg15357945	PRG2	11	56914937	- -	No	56914706 56914706	-0.2018	0.000342031	0.009702725
cg15068733	FGF11	17	7283570	+	Yes	7283412	-0.2017	1.51E-05	0.001658006
cg14289461	LAMA4	6	112682622	-	No	112682521	-0.2017	0.002093109	0.030679633
cg01252496	MDS032	19	17187655	+	Yes	17187154	-0.2017	0.000270415	0.008486024
cg22572779	MGC40222	6	10542747	-	No	10543041	-0.2017	0.001202663	0.02106728
cg24080529	TIMP3	22	31527034	+	No	31526801	-0.2012	0.001325775	0.022541384
cg19005210	TREML2	6	41276938	-	No	41276903	-0.2011	0.001954304	0.029194414
cg15564267	OTUB1	11	63511284	+	No	63509900	-0.2005	0.00024924	0.008106826
cg15658426	MGC39633	5	114659444	- -	No	114659886 114660357	-0.2003	0.000106984	0.004902396
cg16019273	EIF2C4	1	36045772	+	No	36046414	-0.2001	0.000761164	0.015849199
cg17200465	ENTPD3	3	40403512	+	Yes	40403676	-0.1999	0.00275608	0.036357833
cg14944269	RAB15	14	64509355	-	No	64508628	-0.1999	0.000390596	0.010452338
cg14894144	LAMA3	18	19524552	+	No	19523559	-0.1996	0.002384637	0.033171998
cg13619990	ACSM1	16	20610738	-	No	20610079	-0.1995	0.001729748	0.026920703
cg16983159	LOC340061	5	138842625	-	No	138842476	-0.1991	0.000102421	0.004775923
cg19147390	UHRF1	19	4862058	+ +	No	4860509 4861565	-0.1989	0.000677257	0.014856618
cg13302154	MGP	12	14930699	-	No	14930095	-0.1989	1.17E-05	0.001470846
cg01377755	ACP6	1	145609882	-	No	145609258	-0.1988	0.001015771	0.01885334
cg03623878	MCF2L	13	112703561	+	No	112704225	-0.1987	0.002074239	0.030487401
cg27022827	TJP3	19	3679751	+	No	3679373	-0.1986	0.001104577	0.019794199
cg24901042	TMPPRSS2	21	41802424	- -	Yes	41801955 41801862	-0.1985	0.001898689	0.028621894
cg25081201	FXYP4	10	42187077	+	No	42187097	-0.1982	0.000902985	0.017621666

cg23968383	ZNF572	8	126054108	+	No	126054719	-0.2034	0.003741207	0.044958987
cg20780953	RAB3D	19	11311511	-	Yes	11311321	-0.2034	2.86E-05	0.00228612
cg21960110	HBZ	16	142482	+	No	142853	-0.2033	0.003941725	0.046572235
cg19180828	FLJ46380	1	6187807	+	No	6188775	-0.2030	2.76E-05	0.002286044
cg19025034	FUT2	19	53890712	+	No	53891039	-0.2028	0.000840111	0.016908201
cg13424229	CPA3	3	150064527	+	No	150065732	-0.2027	0.001909767	0.02873983
cg22775000	TMEFF1	9	102275002	+	Yes	102275537	-0.2027	0.000250067	0.008106826
cg08397758	C10orf33	10	100164843	-	No	100164968	-0.2027	7.02E-08	0.000298977
cg03264209	CREBBP	16	3871886	-	No	3870122	-0.2024	0.000610709	0.013789637
cg23366752	DNAJA4	15	76343557	+ +	Yes	76343541 76344043	-0.2024	0.000134071	0.005636528
cg02397720	RAB17	2	238177146	NA	No	NA	-0.2023	0.000842549	0.016914842
cg05664072	PER2	2	238863033	-	No	238861946	-0.2022	0.000387661	0.01041488
cg05125838	UCN2	3	48576589	-	No	48576205	-0.2018	0.001135842	0.020163484
cg15357945	PRG2	11	56914937	- -	No	56914706 56914706	-0.2018	0.000342031	0.009702725
cg15068733	FGF11	17	7283570	+	Yes	7283412	-0.2017	1.51E-05	0.001658006
cg14289461	LAMA4	6	112682622	-	No	112682521	-0.2017	0.002093109	0.030679633
cg01252496	MDS032	19	17187655	+	Yes	17187154	-0.2017	0.000270415	0.008486024
cg22572779	MGC40222	6	10542747	-	No	10543041	-0.2017	0.001202663	0.02106728
cg24080529	TIMP3	22	31527034	+	No	31526801	-0.2012	0.001325775	0.022541384
cg19005210	TREML2	6	41276938	-	No	41276903	-0.2011	0.001954304	0.029194414
cg15564267	OTUB1	11	63511284	+	No	63509900	-0.2005	0.00024924	0.008106826
cg15658426	MGC39633	5	114659444	- -	No	114659886 114660357	-0.2003	0.000106984	0.004902396
cg16019273	EIF2C4	1	36045772	+	No	36046414	-0.2001	0.000761164	0.015849199
cg17200465	ENTPD3	3	40403512	+	Yes	40403676	-0.1999	0.00275608	0.036357833
cg14944269	RAB15	14	64509355	-	No	64508628	-0.1999	0.000390596	0.010452338
cg14894144	LAMA3	18	19524552	+	No	19523559	-0.1996	0.002384637	0.033171998
cg13619990	ACSM1	16	20610738	-	No	20610079	-0.1995	0.001729748	0.026920703
cg16983159	LOC340061	5	138842625	-	No	138842476	-0.1991	0.000102421	0.004775923
cg19147390	UHRF1	19	4862058	+ +	No	4860509 4861565	-0.1989	0.000677257	0.014856618
cg13302154	MGP	12	14930699	-	No	14930095	-0.1989	1.17E-05	0.001470846
cg01377755	ACP6	1	145609882	-	No	145609258	-0.1988	0.001015771	0.01885334
cg03623878	MCF2L	13	112703561	+	No	112704225	-0.1987	0.002074239	0.030487401
cg27022827	TJP3	19	3679751	+	No	3679373	-0.1986	0.001104577	0.019794199
cg24901042	TMPRSS2	21	41802424	- -	Yes	41801955 41801862	-0.1985	0.001898689	0.028621894
cg25081201	FXVD4	10	43187077	+	No	43187097	-0.1982	0.000902985	0.017671666
cg24476569	ABCC4	13	94752383	-	No	94751688	-0.1980	0.000152985	0.006056725
cg06196379	TREM1	6	41362863	-	No	41362435	-0.1980	3.35E-05	0.002505185
cg18042806	MGC15875	5	177592577	-	Yes	177592409	-0.1977	0.000381453	0.010330441
cg14076161	PRB4	12	11354646	-	No	11354633	-0.1975	0.0015428	0.024946645
cg23606079	CRISPLD2	16	83411372	+	No	83411087	-0.1972	0.001457389	0.024050093
cg25645462	GPR56	16	56211203	+	No	56211410	-0.1969	0.001248212	0.02150953
cg02347487	NALP14	11	7015679	NA	No	NA	-0.1968	0.003295944	0.041291502
cg20580177	LRFN3	19	41119619	+	Yes	41119861	-0.1964	0.001139202	0.020196049
cg26368842	PIP5K2A	10	23044026	-	No	23043509	-0.1964	0.003804831	0.045464258
cg16585619	KRT19	17	36938776	-	No	36938167	-0.1963	6.90E-05	0.003740088
cg23092086	CES7	16	54467074	-	No	54466783	-0.1962	0.000930359	0.018012778
cg22131172	LOC283487	13	110320866	-	No	110320656	-0.1961	0.000572161	0.013243044
cg00625425	ANKRD38	1	62558100	-	No	62557671	-0.1960	0.000811672	0.016536541
cg02643667	TFF1	21	42659768	-	No	42659713	-0.1959	0.002735858	0.036194773
cg23771661	B3GNT3	19	17766332	+	No	17766918	-0.1959	0.00026533	0.008371792
cg05674199	AHCY	20	32355089	-	Yes	32354876	-0.1959	2.32E-07	0.000298977
cg03332271	MST1R	3	49916155	-	Yes	49916310	-0.1955	0.00033002	0.00951132
cg09547190	C9orf89	9	94897398	+	No	94898270	-0.1954	8.29E-05	0.004182239
cg12555334	PSPH	7	56087784	+ -	No	56086871 56086762	-0.1953	1.25E-05	0.001490917
cg13391638	FLJ13576	7	112218008	-	No	112217714	-0.1950	2.03E-05	0.001947659
cg10409560	FLJ23657	4	76700323	+	No	76700281	-0.1949	0.002908123	0.03788714
cg26940261	LOC387882	12	104249242	+	Yes	104248543	-0.1948	3.29E-05	0.002499027
cg03597525	SIGLEC10	19	56612247	-	No	56613263	-0.1946	0.000306095	0.009217637
cg06392426	FLJ12949	19	10537186	-	Yes	10537702	-0.1939	0.000204287	0.007119412
cg21432842	CSF3	17	35425223	+	No	35425213	-0.1939	0.003998541	0.047048133
cg23447996	SYK	9	92604424	+ +	Yes	92603832 92604027	-0.1938	6.22E-05	0.003551399
cg17740645	GRB7	17	35147939	+ +	No	35148115 35147712	-0.1937	0.002601007	0.035183993
cg00962459	PROKR1	2	68725146	+	No	68726457	-0.1929	0.000596296	0.013545016
cg05072008	FIGNL1	7	50486141	-	Yes	50485582	-0.1927	0.003767859	0.045238224
cg23995753	LY75	2	160468978	-	Yes	160469508	-0.1926	0.004185752	0.048412155
cg02875297	RLN2	9	5294611	-	Yes	5294580	-0.1926	0.00017973	0.00665431
cg23978557	SMPD2	6	109867512	+ -	No	109868623 109868540	-0.1925	0.001192264	0.020954413
cg22940152	LOC284739	20	62139546	NA	No	NA	-0.1924	3.34E-05	0.002505185
cg22862656	SCGB2A2	11	61794235	+	No	61794205	-0.1923	0.004197214	0.048523529
cg23189044	KCNE3	11	73855762	-	Yes	73856248	-0.1922	6.92E-05	0.003740088
cg21832243	TTC3	21	37366093	+ - -	No	37367440 37367328 37366973	-0.1919	0.00140559	0.023428858
cg11102782	ISYNA1	19	18410136	-	Yes	18409943	-0.1919	0.000819682	0.016648838
cg04868764	SPINT1	15	38924311	+ +	Yes	38923537 38923934	-0.1918	1.87E-05	0.001869065
cg22747092	BTBD14A	9	138127639	-	Yes	138126952	-0.1917	0.000551618	0.01295613
cg23769143	TIMP4	3	12175667	-	Yes	12175647	-0.1916	0.003078669	0.039354066
cg03270204	DDR1	6	30959617	+ +	No	30959839 30960305	-0.1914	0.002521242	0.034474763
cg02656594	IL21R	16	27319997	+ +	No	27321223 27321923	-0.1912	0.001434853	0.023748851
cg15830940	SMARCA1	2	216986314	+ +	No	216985381 216985717	-0.1911	0.001036145	0.019044651

cg1200792	MGC10188		820542	-	No	82103337 82103480	-0.1639	0.00012381	0.00000000
cg24735937	CLTB	5	175776529	-	Yes	175776146	-0.1638	0.002694843	0.035939381
cg05461841	LOC124220	16	2819945	+	No	2820173	-0.1636	0.001655057	0.026148395
cg08136806	KRT6E	12	51154060	-	No	51153836	-0.1633	0.000875248	0.017331641
cg21932814	CSTA	3	123526862	+	No	123526700	-0.1631	0.00158292	0.025427136
cg00187380	HOXC5	12	52713651	+	Yes	52713098	-0.1626	2.50E-07	0.000298977
cg24402880	PLAC8	4	84254861	-	No	84254935	-0.1625	6.02E-05	0.003469516
cg02601403	TBC1D3C	17	31616166	- -	No	31616152 31616140	-0.1623	0.003051794	0.039086008
cg01110312	GTF2H3	12	122682873	+ -	No	122684333 122684276	-0.1622	0.000249535	0.008106826
cg23668631	CAMKK1	17	3743685	-	Yes	3743086	-0.1619	0.003940653	0.046572235
cg04809136	SF3B14	2	24153662	-	Yes	24152818	-0.1618	0.000995977	0.018672223
cg16464322	HNRPL	19	44035414	-	No	44034819	-0.1614	1.06E-06	0.000508549
cg02330106	MGMT	10	131154830	+	Yes	131155443	-0.1611	0.001535981	0.024897188
cg10857774	DMPK	19	50978523	-	No	50977655	-0.1610	0.002471462	0.033951834
cg11808544	FKBP9L	7	55724354	- - -	No	55723219 55724488 55724647	-0.1608	0.004257051	0.049008458
cg01359534	AQP10	1	152560275	+	No	152560215	-0.1607	0.00321405	0.040614181
cg00968931	MRPL54	19	3713178	+ -	No	3713664 3712673	-0.1607	0.000870109	0.017287119
cg26832879	TFPT	19	59311885	+ -	No	59310601 59310867	-0.1606	0.003443193	0.042515806
cg20345446	OSBPL5	11	3143380	-	Yes	3143158	-0.1602	4.23E-06	0.000964659
cg01869233	C20orf75	20	5983139	-	No	5982694	-0.1602	0.001854369	0.028226907
cg12146151	ITGB4	17	71228540	+	Yes	71229110	-0.1601	0.000138906	0.005721736
cg08623383	C1orf38	1	28078513	+	No	28078741	-0.1601	0.002986158	0.038581164
cg11386746	CDH15	16	87764871	+	No	87765663	-0.1599	4.14E-05	0.002776377
cg03752628	PTGFRN	1	117255033	+	Yes	117254211	-0.1594	0.003445783	0.042527961
cg14754581	CCRL2	3	46423757	+ +	No	46423724 46424052	-0.1593	0.000836732	0.016852991
cg01248426	ATP6VOD2	8	87180271	+	No	87180254	-0.1591	0.00211006	0.030740957
cg20074593	GPR17	2	128119756	+	No	128119908	-0.1586	0.001253719	0.021590385
cg17074151	UNQ2541	9	138780202	-	No	138778786	-0.1579	0.000262754	0.008349057
cg18279742	RPS2	16	1955704	+ + + -	No	1956875 1955185 1954997 1954828	-0.1578	0.003481125	0.042764883
cg12616487	EML3	11	62135639	+ -	No	62136788 62136813	-0.1577	0.003138784	0.03994748
cg05422352	COPS7B	2	232358991	+	No	232359405	-0.1576	4.49E-05	0.002872363
cg17034109	CYB561D1	1	109837940	+ +	Yes	109838223 109838180	-0.1576	0.002137664	0.031006657
cg01993576	SLC29A1	6	44295652	+	No	44295219	-0.1574	0.001392311	0.023236764
cg03775123	ANKDD1A	15	63001128	+	No	63001172	-0.1572	0.001677143	0.026393833
cg25006823	FLJ33387	14	67052209	- -	Yes	67051774 67051955	-0.1571	0.00412719	0.047916082
cg25965576	CST4	20	23618089	-	No	23617662	-0.1571	0.000707708	0.015177617
cg00948524	RNF135	17	26321883	+	No	26322081	-0.1571	0.000588619	0.013445372
cg03679581	RLN2	9	5294511	-	Yes	5294580	-0.1569	0.000669268	0.014747272
cg18540325	PRSS3	9	33785118	+	No	33785558	-0.1569	0.000771861	0.015996478
cg23301687	RAP1A	1	111963591	+	Yes	111963927	-0.1567	0.000974708	0.018395714
cg24938727	GUP1	3	42717997	- -	No	42718017 42719323	-0.1566	0.000878808	0.017358794
cg03017653	TTC13	1	229182494	+ -	No	229181445 229181230	-0.1560	0.000461257	0.011503621
cg17501569	MSLN	16	751065	+	No	751133	-0.1559	0.001585695	0.025427136
cg08744726	FLJ12700	7	148954034	-	No	148952814	-0.1558	0.000674556	0.014814513
cg22855405	TINAGL1	1	31814624	+	No	31814672	-0.1557	0.000309362	0.009268494
cg08244028	MSH3	5	79985095	+ -	No	79986049 79986556	-0.1556	0.002248405	0.031982421
cg23154272	LENEP	1	153232692	+	No	153232685	-0.1551	0.003917381	0.046406777
cg01333788	GJB5	1	34993401	+	No	34993307	-0.1550	0.002462728	0.033902195
cg13640200	AMIGO2	12	45760469	-	Yes	45760001	-0.1548	0.001525343	0.024815245
cg00343092	BZRP	22	41877918	+	Yes	41877478	-0.1545	3.41E-05	0.002505185
cg09179845	C7	5	40945289	+	No	40945355	-0.1542	0.001574606	0.025362021
cg24599942	SLD5	8	41505502	+	Yes	41505881	-0.1540	0.002167639	0.031287242
cg12271671	FGL2	7	76666995	-	No	76667086	-0.1537	0.00150489	0.024595377
cg27524460	PTGER1	19	14447840	-	No	14447174	-0.1537	4.86E-06	0.001000113
cg18886444	USP4	3	49353036	-	No	49352540	-0.1532	0.000429089	0.011098499
cg00214794	KRT17	17	37034149	-	No	37034408	-0.1532	0.00160933	0.025644009
cg26561254	ISG20L1	15	86965048	+	No	86965530	-0.1531	0.000845317	0.016948571
cg04940435	DNMT1P1	20	43853698	+ -	No	43853982 43853954	-0.1527	0.000125009	0.005401286
cg03625911	CHI3L1	1	201422360	-	No	201422545	-0.1525	0.001530303	0.024850763
cg18804206	FLII	17	18103040	+ -	Yes	18104572 18102780	-0.1525	0.000395459	0.010537358
cg05134796	HNRPDL	4	83571807	+ -	No	83570749 83570402	-0.1524	0.000566876	0.013181984
cg00859655	CYB5R2	11	7651100	-	No	7651397	-0.1522	0.003122809	0.039803044
cg16205058	OSGEP	14	19994209	+ -	No	19993129 19993038	-0.1519	0.000370354	0.010196663
cg13255190	GALNT8	12	4699547	+	No	4700012	-0.1519	0.000615083	0.01386475
cg05067286	TMEM45B	11	129191575	+	No	129190950	-0.1519	0.000478014	0.011800419
cg09704415	SPATA6	1	48709837	-	Yes	48710432	-0.1519	0.002646414	0.035598229
cg16907514	KTN1	14	55115851	+ -	No	55116677 55116563	-0.1513	2.69E-05	0.002285845
cg20131968	CCDC47	17	59203744	+ -	No	59205298 59204820	-0.1512	0.004350122	0.049684063
cg19486673	LILRA2	19	59776830	+	No	59777068	-0.1511	0.002108139	0.030740957
cg17491456	DAB2	5	39460281	-	No	39461092	-0.1510	0.000370825	0.010199036
cg13530039	CHRM1	11	62446133	-	No	62445588	-0.1510	0.003515023	0.043052344
cg07256847	TCP10	6	167717965	-	No	167717988	-0.1506	0.000373481	0.010219014
cg01172899	SLC16A14	2	230641995	-	No	230641863	-0.1506	0.000160453	0.006211701
cg06575572	C22orf8	22	44083929	+ +	No	44083744 44084448	-0.1505	0.002752315	0.036357833
cg15660498	LOC148137	19	40941773	+	No	40940883	-0.1505	0.000111393	0.005018374
cg20444256	CKM	19	50518181	-	No	50517974	-0.1505	0.004034226	0.047317828